

POLK COUNTY PROJECT NO. 18-73  
.....

# DRAINAGE DESIGN DOCUMENTATION

CR 557 (Buena Vista Drive) Widening from North of CSX  
Railroad to South of the I-4 Interchange in Polk County

FEBRUARY 2023



SUBMITTED BY  
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SUBMITTED TO  
Polk County Board of  
County Commissioners  
Polk County, Florida



I hereby certify that I am a registered professional engineer in the State of Florida practicing with Dewberry Engineers, Inc., a corporation authorized to operate as an engineering business, FEID No. 13-0746510, by the State of Florida, Department of Professional Regulation, and Board of Professional Engineers. I have reviewed or approved the evaluation, findings, opinions and conclusions as reported in this Drainage Design Documentation.

The Drainage Design Documentation supports the design approach and calculations of the stormsewer and conveyance systems for CR 557 (Buena Vista Drive) Widening. I acknowledge that the procedures and references used to develop the results contained in this report are standard to the professional practice of civil engineering as applied through design standards and criteria set forth by the federal, state, and local regulatory agencies as well as professional judgment and experience.

Signature: \_\_\_\_\_

Sean Carrigan, State of Florida, Professional Engineer, License No. 73041

This item has been digitally signed and sealed by Sean Carrigan, P. E. on the date indicated here.

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# CR 557 (Buena Vista Drive) Widening Drainage Design Documentation

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## Executive Summary

Polk County Roads and Drainage proposes to widen CR 557 from North of the CSX Railroad to South of I-4 Interchange, a distance of approximately six (6) miles, in Polk County, Florida. The proposed improvements include two typical section segments. Segment 1 begins north of the CSX railroad and continues north to station 1384+00. This segment consists of an Urban Typical Section with two (2) 12-foot travel lanes in each direction with a 22-foot raised grassy median, a 6-foot sidewalk on the northbound side and a 12-foot multi-use path along the southbound side.

Segment 2 begins at station 1384+00 and continues north to the end of the project at station 1488+50, south of the I-4 Interchange. This segment consists of a rural typical section with 12-foot lanes in each direction, a 40-foot depressed grassy median with 6-foot inside shoulders, 10-foot outside shoulders (5-foot paved), 5-foot wide ditches with 1:4 (V:H) front and back slopes, and a 12-foot multi-use path along the southbound side.

Urban roundabouts are proposed at the intersection of CR 557 and CR 557A and at the intersection of CR 557 and Old Polk City Road. Please see the **Typical Sections** in **Exhibit 2A** through **Exhibit 2M** in **Appendix A**. Improvements also include stormwater conveyance systems and the construction of offsite dry retention and wet detention ponds for stormwater treatment and attenuation.

The existing roadway is classified as a two-lane urban collector roadway and provides access to residential areas and educational facilities such as Lake Alfred Middle School. Future improvements to the CR 557 corridor have been identified in the Polk County 2030 Comprehensive Plan Transportation Element. The Polk Transportation Planning Organization (TPO) 2040 Long Range Transportation Plan (LRTP) identifies the future 4-laning of CR 557 as a need. The widening of CR 557 has also been identified in the 2018 to 2022 Adopted Polk County Community Investment Program (CIP) as a necessary improvement “based on projected level-of-service.” CR 557 serves as an interstate connector roadway and is important to the efficient and reliable mobility of people and freight, both locally and regionally.

## Existing Drainage Conditions

The northern portion of the project lies within the South Withlacoochee River Watershed, while the southern portion of the project lies within the Peace River Watershed under the jurisdiction of the Southwest Florida Water Management District (SWFWMD). The watershed divide along the project corridor is located between WGTO Tower Road and Gum Road. Please see **SWFWMD Watershed Map, Exhibit 8 of Appendix A**. The project traverses two (2) Waterbody ID's (WBID) within SWFWMD: 1329G Withlacoochee River and 1504B Lake Hamilton Drain, with possible direct discharges which may occur to 1488C1 Gum Lake, 1488D3 Lake Camp, 1488D1 Grass Lake, 1488V Lake Swoope, which are impaired according to the current FDEP 303(d) list of impaired water bodies, as well as, 1488D Lake Alfred which is impaired for Nutrients with Total Nitrogen and Chlorophyll-A listed as the parameter of concern. Please refer to **Exhibit 7 in Appendix A** for a **WBID Map**. A pollutant loading analysis has been performed using the BMPTRAINS software to ensure that post development loading rates do not exceed those of the pre-development condition. Additionally, there are no Outstanding Florida Waters (OFW) within the project limits.

The City of Lake Alfred Florida Comprehensive Plan (2030) and the Polk County Comprehensive Plan, was used to classify existing land uses within and adjacent to the alignment study area. Additional plans used as guidance include the City of Lake Alfred's “Green Swamp” Critical Area Resource Plan. The area classified as “Green Swamp Critical Area(s)” include an area of nearly half a million acres, with a shallow basin between Lake Wales Ridge, which is marked by U.S. 27 on the east, the Brooksville Ridge on the west along which U.S. 19 runs, and it is just north of the Lakeland and Winter Haven Ridges, which end within the Green Swamp ACSC.

Existing land use along the proposed widening of CR 557 between Evenhouse Road and Creek Road encompasses agricultural, industrial, commercial, vacant industrial/commercial, site built residential and miscellaneous buildings. The remainder of the project is comprised of agricultural and vacant residential

land use from Old Lake Alfred Road to the end of the project. Please refer to **Exhibit 4, SWFWMD 2007 Existing Landuse Map** in **Appendix A**.

Currently, the project is divided into eight (8) local drainage basins where stormwater runoff from the roadway is collected in storm sewer systems or roadside swales and discharged offsite. There are nine (9) existing cross drains within the project limits allowing for conveyance of offsite and onsite runoff to flow beneath CR 557 towards its historical path. The size and geometry of all cross drains have been verified during field investigations. Please refer to the **USGS Quadrangle Map, Exhibit 1** in **Appendix A**. There is no existing formal water quality treatment for this segment of CR 557.

According to the Federal Emergency Management Agency (FEMA), the relevant Flood Insurance Rate Map (FIRM) panel numbers are 12105C0215G and 12105C0355G dated December 22, 2016. Portions of the 100-year floodplain exist on both sides of the roadway and are designated as Zone AE, A and X. These areas are associated with wetlands which flow north toward the Withlacoochee River; or lakes which flow south toward the Peace River. There are no federally regulated floodways within the project limits. Please refer to **Exhibit 6** in **Appendix A** for the **FEMA Floodplains Map**.

### **Proposed Drainage Conditions**

Depending on the typical section, the stormwater runoff from the roadway will be collected by curb and gutter or roadside ditches and directed toward proposed inlets along the roadway. Closed storm sewer systems will then convey the stormwater runoff to the proposed dry retention and wet detention ponds. In the proposed condition, the roadway will be divided into eight (8) local drainage basins for stormwater treatment and attenuation purposes.

The project will have no adverse impact to the area's water quality. Stormwater runoff for the project area will be treated as required by the rules set forth by the SWFWMD. The required treatment volume for a wet detention system is one-inch (1") over the Directly Connected Impervious Area (DCIA) for alterations to existing public roadway projects, and half as much for dry retention systems.

Systems with a direct discharge to an OFW must provide an additional fifty percent of the required treatment. If a proposed project discharges to an impaired water body, additional protective measures shall include a site-specific pollutant loading analysis and additional fifty percent of the required treatment.

Regarding water quantity for open basins, SWFWMD and Polk County requires that the post-development peak discharges shall be at or below pre-development peak discharges for the 25-year/24-hour storm. Offsite discharges and peak stages for the existing and proposed conditions shall be computed using the SWFWMD's 25-year/24-hour rainfall maps and the Natural Resources Conservation Service (NRCS) Type II Florida Modified 24-hour rainfall distribution with and Antecedent Moisture Condition (AMC) II.

An outfall control structure shall be designed to drawdown the system's treatment volume in no less than 120 hours (5 days) with no more than one half the total volume being discharged within the first 60 hours (2.5 days). Only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage.

The SWFWMD also requires that fill impacts to the 100-year floodplain be compensated for through offsite floodplain compensation sites or cut ditch sections on a cup-for-cup basis per 1-foot elevation intervals. The existing cross drains serve as the outfall locations for the project area. The location of the outfalls in the proposed conditions is the same as the existing condition. Please refer the **Nodal Network Maps** in **Appendix B** and **Pond Design Calculations** in **Appendix D**.



## 1.0 Introduction

### 1.1 Purpose

The purpose of this Drainage Design Documentation is to serve as the basis for the final drainage design of the stormwater management systems and facilities. This report provides the final design calculations for the proposed stormwater treatment ponds, ditch analysis, storm sewer conveyance, cross drains, and floodplain impacts and compensation.

The stormwater management facility documentation is found in Section 6 of this report. All figures for this report are included in **Appendix A**. For the ease of review, **Pond Design Calculations, Nutrient Loading Calculations, Cross Drain Design Analysis, Ditch Analysis, Storm Sewer Analysis, Spread Analysis** and **Floodplain Impact Calculations** are included in **Appendices D** through **I**. Other supporting information and data are included in the remaining appendices. The datum used for all calculations is NAVD 88 unless otherwise specified.

### 1.2 Project Description

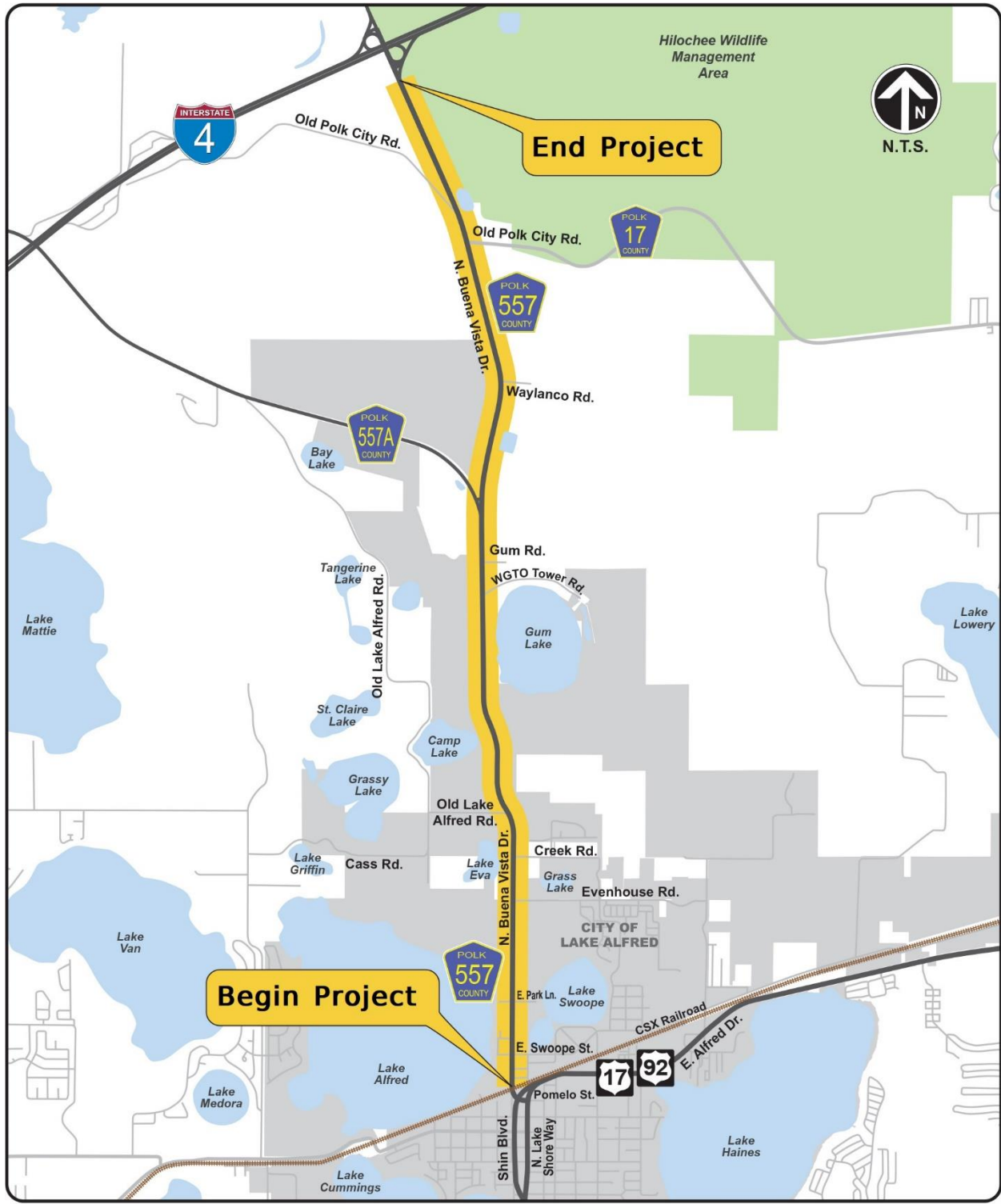
Polk County Roads and Drainage proposes to widen CR 557 from North of the CSX Railroad to South of I-4 Interchange, a distance of approximately six (6) miles, in Polk County, Florida. The proposed improvements include two typical section segments. Segment 1 begins north of the CSX railroad and continues north to station 1384+00. This segment consists of an Urban Typical Section with two (2) 12-foot travel lanes in each direction with a 22-foot raised grassy median, a 6-foot sidewalk on the northbound side and a 12-foot multi-use path along the southbound side.

Segment 2 begins at station 1384+00 and continues north to the end of the project at station 1488+50, south of the I-4 Interchange. This segment consists of a rural typical section with 12-foot lanes in each direction, a 40-foot depressed grassy median with 6-foot inside shoulders, 10-foot outside shoulders (5-foot paved) ), 5-foot wide ditches with 1:4 (V:H) front and back slopes, and a 12-foot multi-use path along the southbound side.

Urban roundabouts are proposed at the intersection of CR 557 and CR 557A and at the intersection of CR 557 and Old Polk City Road. Please see the **Typical Sections** in **Exhibits 2A through 2M** in **Appendix A**. Improvements also include stormwater conveyance systems and the construction of offsite dry retention and wet detention ponds for stormwater treatment and attenuation.

The existing roadway is classified as a two-lane urban collector roadway and provides access to residential areas and educational facilities such as Lake Alfred Middle School. Future improvements to the CR 557 corridor have been identified in the Polk County 2030 Comprehensive Plan Transportation Element. The Polk Transportation Planning Organization (TPO) 2040 Long Range Transportation Plan (LRTP) identifies the future 4-laning of CR 557 as a need. The widening of CR 557 has also been identified in the 2018 to 2022 Adopted Polk County Community Investment Program (CIP) as a necessary improvement “based on projected level-of-service.” CR 557 serves as an interstate connector roadway and is important to the efficient and reliable mobility of people and freight, both locally and regionally.

Figure 1-1: Project Location Map



	<p><b>CR 557 (Buena Vista Drive) Alignment Study</b> from North of the CSX Railroad to South of the I-4 Interchange Polk County, Florida Contract: 18-73</p>	
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## 2.0 Design Criteria

The design of the stormwater management facilities for the project is governed by the rules set forth by the SWFWMD and Polk County. Water treatment and attenuation requirements will comply with the guidelines as defined in the SWFWMD Environmental Resource Permit Applicant's Handbook (Volume II).

Wet detention ponds will provide for water quality improvements as well as water quantity attenuation for the project runoff. Please refer to the sections below for the water quality, water quantity, and detention pond facilities configuration criterion used for the project.

### 2.1 SWFWMD Criteria

#### 2.1.1 Water Quality

Within wet detention ponds, treatment will be provided for one inch (1") over the Directly Connected Impervious Areas (DCIA) for alterations to existing public roadway projects.

An outfall control structure shall be designed to drawdown the system's treatment volume in no less than 120 hours (5 days) with no more than one half the total volume being discharged within the first 60 hours (2.5 days). Only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage.

The project traverses two (2) Waterbody ID's (WBID) within SWFWMD: 1329G Withlacoochee River and 1504B Lake Hamilton Drain, with possible direct discharges which may occur to 1488C1 Gum Lake, 1488D3 Lake Camp, 1488D1 Grass Lake, 1488V Lake Swoope, which are impaired according to the current FDEP 303(d) list of impaired water bodies, as well as, 1488D Lake Alfred which is impaired for Nutrients with Total Nitrogen listed as the parameter of concern. Therefore, a pre versus post nutrient loading analysis is only required for direct discharges to this water body. Indirect discharges (i.e. via an existing swale or any other systems prior to the water body) will not necessitate a nutrient loading analysis. There are no Outstanding Florida Waters (OFW) within the project limits.

#### 2.1.2 Water Quantity

For a project or portion of a project located within an open drainage basin, the allowable discharge is:

- Historic discharge, which is the peak rate at which runoff leaves the parcel of land by gravity under existing site conditions, or the legally allowable discharge at the time of permit application; or
- Amounts determined in previous District permit actions relevant to the project.

Offsite discharges and peak stages for the existing and proposed conditions shall be computed using the SWFWMD's 25-year/24-hour rainfall maps and the Natural Resources Conservation Service (NRCS) Type II Florida Modified 24-hour rainfall distribution with and Antecedent Moisture Condition (AMC) II.

- For a project or portion of a project located within a closed drainage basin, the required retention volume shall be:
  - The post development runoff volume less the pre-development runoff volume

The runoff volume is computed using the SWFWMD's 100-year, 24-hour rainfall map and the NRCS type II Florida Modified 24-hour rainfall distribution with an AMC II. The total post development volume leaving the site shall be no more than the total pre-development volume leaving the site for the design 100-year storm. The rate of runoff leaving the site shall not cause adverse offsite impacts. Maintenance of pre-development offsite low flow may be required in hydrologically sensitive areas.

### 2.1.3 Detention Pond Configuration

Manmade wet detention systems shall include a minimum of 35 percent littoral zone, concentrated at the outfall and shall be no deeper than 3.5 feet below the design overflow elevation. Wet detention water quality treatment systems shall be designed with a 100 feet minimum width for linear areas in excess of 200 feet length. Area and width requirements will be waived for projects to be operated by single owner entities, or entities with full time maintenance staffs (i.e. Polk County).

The detention facility shall not be excavated to a depth that breaches the aquitard such that it would allow for lesser quality water to pass, either way, between the two systems. In those geographical areas of the district where there is not an aquitard present, the depth of the pond shall not be excavated to within two feet of the underlying limestone which is part of a drinking water aquifer. The bottom elevation of the pond must be at least one foot below the control elevation.

All retention and detention facilities should have stabilized side slopes no steeper than 1V:4H out to a depth of two feet below the control elevation, unless for purposes of public safety, side slopes designed or permitted steeper than 1V:4H will require a six foot chain link fence or other protection sufficient to prevent accidental incursion into the retention or detention area.

Perimeter maintenance and operation easements, with a minimum width of 20 feet and slopes no steeper than 1V:4H, should be provided landward of the control elevation water line. Widths less than 20 feet are allowed when it can be demonstrated that equipment can enter and perform the necessary maintenance for the system.

### 2.1.4 Floodplain Encroachment

No net encroachment into the flood plain, up to that encompassed by the 100-year event, which will adversely affect conveyance, storage, water quality or adjacent lands, will be allowed. Any required compensating storage shall be equivalently provided between the lowest level of encroachment and the 100-year flood level to allow storage function during all lesser flood events.

### 2.1.5 100-Year Flood Level Determinations

Flood elevations shall be determined using the most accurate information available, which can include:

1. Actual data, including water level, stream flow and rainfall records;
2. Hydrologic/hydraulic modeling;
3. Federal Flood Insurance Rate Maps and supporting flood study data; or
4. Floodplain analysis studies.

Site-specific data for observed and measured flood elevations shall be compared to modeled or existing study data to verify accuracy.

The 100-year, 24-hour storm shall be used to determine the 100-year flood elevation except in those circumstances where credible historical evidence exists that higher flood stages have occurred, and can be expected to re-occur, following more frequent storm events. In those cases, the 100-year flood elevation shall be determined using a 100-year storm of sufficient duration to exceed the flood stages observed following more frequent events.

## 2.2 Polk County Criteria

### 2.2.1 Stormwater Management

New and reconstructed drainage structures (e.g., culverts and bridges) which are related to arterial, urban collector roads, and rural major collector roads, shall meet Level-of-Service II.

- 50-Yr/24-Hr storm event with 1-foot freeboard at allowed velocity;
- 100-Yr/24-Hr storm event with no freeboard at allowed velocity

New and reconstructed storm water facilities in open drainage basins (i.e., ditches, canals, detention/retention ponds) shall be designed and constructed to meet Level-of-Service III.

- 25-Yr/24-Hr storm event at top of bank or berm

### 2.2.2 Storm Sewer Design

New systems shall be required to meet Level-of-Service III for storm sewers, minor cross-drain culverts, and collector road culverts; and Level-of-Service III for arterial road culverts.

- 25 Year storm event

Manning's equation will be used for storm sewer design with coefficient of roughness (n) of 0.012 for concrete pipes.

When pipe is sized using full flow conditions, the hydraulic gradient shall be at least one foot below the gutter profile. Sufficient head should be allowed at inlet entrances to force the flow to the velocity required at full flow conditions. When the design is based on partial depth flows, the depth of flow shall not be over 2/3 pipe diameter at velocities exceeding 15 fps. Pipes will have a physical slope sufficient for a minimum flow velocity of two and one-half feet per second.

Inlets not in sump position shall be spaced to receive 80 percent of the runoff in curb and gutter or urban sections. Inlets shall be carefully placed near intersection returns to avoid flooding adjacent properties and intersections.

Capacity of inlets in sump position shall not exceed 12 cubic feet per second (cfs). FDOT Standard Index Inlet Types "P" and "J," with inlet throats Type 1, 2, 5 and 6 shall be used on curbed sections. Grates shall be parallel to centerline profile grade.

FDOT Standard Index ditch bottom inlets "C," "D," "E" and "H" shall be used in ditches or low areas where water would be collected. Where debris is a problem and there is no safety hazard, slots will be used.

The Rational Method of analysis shall be used in the design of storm sewer systems and small culverts.

$Q = CIA$

Q = runoff in cubic feet per second (CFS)

I = rainfall intensity in inches per hour

A = drainage areas, in acres

C = coefficient of runoff

"I" will be determined by using the intensity-duration-frequency curves for Zone 8

The minimum Time of Concentration used in computations will be ten minutes.

### 2.2.3 Ditches

The maximum ditch velocity allowed, without erosion protection, shall be governed by the following:

- Fine Sand – 1.5 fps
- Silt Loam – 2.0 fps
- Fine Gravel – 2.5 fps
- Clay – 3.0 fps

Ditch Protection shall be determined by the following:

- Less than 2% Grade – Less than allowable velocities – Grass & Mulch protection
- Less than 2% Grade – More than allowable velocities – Sod protection
- Up to 3% Grade – Less than 15 cfs – Sod protection
- Exceeds 3 % Grade – Exceeds 15 cfs – Paved protection

Outfall ditches and ditches not adjacent to a road shall be situated within a drainage easement of sufficient width to allow a 15 feet wide maintenance berm on one side and a five feet stability berm on the opposite side. The bottom width of an outfall ditch should be two feet wider than any culvert it serves. Side slopes of outfall ditches shall be 2:1 or flatter, unless ditches are paved. Drainage easements located on platted lots will be noted on the plat to be maintained by the property owner or other specified entity. Drainage easements will not serve as utility easements unless specifically approved by the County Engineer.

Highway section ditches shall be a minimum of two feet below shoulder point elevation. Roadway centerline grades shall be higher than surrounding natural ground where wet conditions are encountered to prevent damage to base material. Ditch bottom width shall not be less than four feet.

Roadside "V" or swale ditches may require storm sewer protection. Roadside "V" or swale ditches will be permitted only where soil conditions and grades are favorable.

### 2.2.4 Culverts, Bridges and Pipes

Pipe culverts under roads shall be reinforced concrete or pipe material approved by the County Engineer. The minimum diameter shall be 18 inches. When hydraulic conditions indicate the need for a headwall, a FDOT standard headwall will be required. Mitered pipe end sections shall be used in all locations where headwalls create traffic hazards and may be substituted for standard end walls in other locations. Bridges and box culverts shall be designed to the FDOT Design Index.

### 2.2.5 Side Drains

Side drains may be bituminous coated corrugated metal pipe, reinforced concrete pipe, aluminum pipe, or any other pipe material approved for the same use by FDOT. The minimum pipe size for local residential roads shall be 15 inches in diameter. For all other roads, the minimum pipe size shall be 18 inches in diameter.

### 3.0 Data Collection

The Study team collected and reviewed data from the following sources:

- SWFWMD Environmental Resource Permit Applicant's Handbook (Volume II)
- FDOT Drainage Manual, January 2022
- FDOT Drainage Design Guide, January 2022
- Polk County Land Development Code, September 2000
- Polk County Appendix A – Technical Standards Manual, September 2000
- Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Panel Nos. 12105C0215G and 12105C0355G dated 12/22/2016
- SWFWMD Peace Creek Watershed Model (Atkins, 2016)
- SWFWMD Polk City Watershed Model (AMEC Environment & Infrastructure, Inc., 2013)
- United States Geological Survey (USGS) Quadrangle Maps
- United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Soil Survey of Polk County, Florida
- Field Reconnaissance (April 2019, January 2022)
- 1-Foot LiDAR Contours (Polk County GIS)

#### 3.1 SWFWMD Watershed Models

This project lies within two (2) SWFWMD watersheds; South Withlacoochee River and Peace River. Specifically, the project area is included in the northern portion of the Peace River Watershed, and the Polk City Subwatershed of the Withlacoochee River Watershed. Interconnected Pond Routing (ICPR) v3 models were available from the SWFWMD for both watersheds and were used for the project's hydraulic and hydrologic analysis.

The SWFWMD and Atkins developed a watershed model for the Peace River Watershed within Polk County. This modeling information from 2016 has been obtained and is being used as the best available information for this analysis. For the purpose of this report and design the model and pertinent information is referred to as the Peace Creek Model. The most recent Watershed Justification Report is available for download from the SWFWMD website. The model elevations reference NAVD88.

The SWFWMD and AMEC Environment & Infrastructure, Inc. have developed a watershed model for the Polk City Watershed within Polk County. This modeling information from 2013 has been obtained and is being used as the best available information for this analysis. For the purpose of this report and design, the model and pertinent information is referred to as the Polk City Model. The most recent Watershed Justification Report is available for download from the SWFWMD website. The model elevations reference NAVD 88.

## 4.0 Existing Drainage Conditions

### 4.1 Topography & Hydrologic Features

The northern portion of the project lies within the South Withlacoochee River Watershed, while the southern portion of the project lies within the Peace River Watershed under the jurisdiction of the Southwest Florida Water Management District (SWFWMD). The watershed divide along the project corridor is located between WGTO Tower Road and Gum Road. Please see **SWFWMD Watershed Map, Exhibit 8 of Appendix A**.

The project traverses two (2) Waterbody ID's (WBID) within SWFWMD: 1329G Withlacoochee River and 1504B Lake Hamilton Drain, with possible direct discharges which may occur to 1488C1 Gum Lake, 1488D3 Lake Camp, 1488D1 Grass Lake, 1488V Lake Swoope, which are not impaired according to the current FDEP 303(d) list of impaired water bodies, as well as, 1488D Lake Alfred which is impaired for Nutrients (Chlorophyll-a and TN) with Total Nitrogen listed as the parameter of concern. Please refer to **Exhibit 7 in Appendix A** for a **WBID Map**. Please refer to **Table 4-1: Summary of WBID's and Impairments** for more information.

Table 4-1: Summary of WBID's and Impairments

WBID	WATERBODY NAME	IMPAIRMENT	PARAMETER
1329G	Withlacoochee River	No	N/A
1488C1	Gum lake	No	N/A
1488D3	Lake Camp	No	N/A
1488D1	Grass Lake	No	N/A
1488D	Lake Alfred	Yes	Nutrients (TN)
1488V	Lake Swoope	No	N/A
1504B	Lake Hamilton Drain	No	N/A

The topography between the CSX Railroad and north of Lake Alfred Road is rolling terrain while between north of Lake Alfred Road and I-4, the topography is virtually flat. Existing ground elevations vary between elevations 134 feet near I-4 to 174 feet near the CSX Railroad. Regional Drainage features along the corridor are depicted on the **USGS Quadrangle Map, Exhibit 1 in Appendix A**. There are nine (9) existing cross drains within the project limits allowing for conveyance of offsite and onsite runoff to flow beneath CR 557 towards its historical path. The size and geometry of all cross drains have been verified during field investigations. Please refer to **Table 4-2** for a **Summary of Existing Cross Drains**.



Table 4-2: Summary of Existing Cross Drains

STRUCTURE NO.	STATION	DESCRIPTION
CD - 01	1274+50	Single 18" RCP
CD - 02	1292+50	Double 36" RCP
CD - 03	1305+50	Double 36" RCP
CD - 04	1357+80	Single 3' X 10' CBC
CD - 05	1362+50	Single 24" RCP
CD - 06	1400+50	Quadruple 30" RCP
CD - 07	1419+40	Double 18" RCP
CD - 08	1438+30	Triple 24" RCP
CD - 09	1485+20	Double 24" RCP

## 4.2 Soils and Geotechnical Investigations

The soil survey of Polk County, Florida published by the USDA NRCS has been reviewed within the project vicinity. USDA Soil Survey Geographic database (SSURGO) data was also obtained from SWFWMD to create a soils map for the project limits using GIS ArcMap. SSURGO data was compared to the soil survey by USDA NRCS and found no deviation.

The soils encountered along the project limits are mostly Hydrologic Soil Group (HSG) A, A/D, B/D, C/D and D. Group A soils have low runoff potential and high infiltration rates even when thoroughly wetted. They consist chiefly of deep, well to excessively drained sand or gravel and have a high rate of water transmission. Group C soils have low infiltration rates when thoroughly wetted and consist chiefly of soils with a layer that impedes downward movement of water and soils with moderately fine to fine texture. Group D soils have high runoff potential. They have very low infiltration rates when thoroughly wetted and consist chiefly of clay soils with a high swelling potential, soils with a permanent high water table, soils with a claypan or clay layer at or near the surface, and shallow soils over nearly impervious material. These soils have a very low rate of water transmission. If a soil is assigned to a dual HSG, the first letter is for drained areas and the second is for un-drained areas. Only the soils that in their natural condition are in group D are assigned to dual classes. According to the Soil Survey, there are 28 different soil types located along the project limits within Polk County. The **Soil Survey Map** for the project vicinity is illustrated in **Exhibit 3** of **Appendix A**.

## 4.3 Floodplains and Floodways

According to the Federal Emergency Management Agency (FEMA), the relevant Flood Insurance Rate Map (FIRM) panel numbers are 12105C0215G and 12105C0355G dated December 22, 2016. Portions of the 100-year floodplain exist on both sides of the roadway and are designated as Zone AE, A and X. These areas are associated with wetlands which flow north toward the Withlacoochee River; or lakes which flow south toward the Peace River. There are no federally regulated floodways within the project limits. Please refer to **Exhibit 6** in **Appendix A** for the **FEMA Floodplains Map**.

### 4.3.1 Flooding and Maintenance Concerns

Information obtained [through an in-house KMZ file] listed one incidence of flooding complaints at Gum Lake. The complaint was filed by the South West Florida Water Management District (SWFWMD) on March 10, 2004. The Compliance Number is 125849.

In a discussion with Phil Irven, Roads and Drainage Coordinator for Polk County, he revealed that there have not been any flooding or maintenance complaints along the project corridor. Please refer to **Correspondence** in **Appendix K** for additional information.

## 4.4 Existing Drainage Permits

Various SWFWMD Environmental Resource Permits are active within the project area. A description for each permit is included in the subsequent paragraphs. Please refer to **Appendix E** for a copy of the existing drainage permits listed.

### 4.4.1 Permit No. 24736.000

An ERP for the construction of the 8-unit, single family subdivision, Lexington Reserve, was submitted to the SWFWMD in 2003 by David Carter Consulting Engineers. The approximately 92-acre project site is located south of Gum Lake, east of CR 557, and north of the City of Lake Alfred. The proposed subdivision's driveway connects to CR 557 from the east. The drainage pattern within the roadway's ROW will be preserved by installing a driveway culvert to allow the runoff to continue south.

### 4.4.2 Permit No. 30450.000

An ERP for formal determination of wetlands and other surface waters for the Taylor Woodrow Lake Grassy project was submitted to the SWFWMD in 2006 by Water Resource Associates, Inc. The 288-acre project site was used in the past and present as an active citrus grove. Formal wetland boundaries were determined for the approximately 106-acre Belmont Ranch Estates Subdivision, Phase 1 being constructed on site. The site is located in the northwest corner of Old Lake Alfred Road and CR 557, south of Lake Camp. Under existing conditions, the southeast portion of the site sheet flows east to CR 557 to an existing inlet that discharges into Gum Lake. According to the plan set submitted with the ERP, the entrance into the subdivision will be placed off of Old Lake Alfred Road. The proposed roadway connection from Old Lake Alfred Road to CR 557 will be realigned from existing conditions.

### 4.4.3 Permit No. 30674.00

An ERP for the construction of the single-family subdivision, Lake Swoope Heights, was submitted to the SWFWMD in 2011 by Tree-O Groves, Inc. The approximately 18-acre project site is located to the north of Swoope Street, between CR 557 and Lake Swoope. The subdivision will be accessed via two proposed side streets off of CR 557 and Swoope Street. The entrance into the subdivision from CR 557 will include the construction of a right turn lane in addition to relocating a portion of the existing sidewalk. Miami curb and gutter will be constructed at the entrance to maintain the existing drainage pattern of CR 557 which drains via curb to sump inlets.

### 4.4.4 Permit No 40155.000

An ERP for the asphalt stabilization of 5200-feet of Old Polk City Road was submitted to the SWFWMD in 2010 by the Polk County Board of County Commissioners. The Polk County owned and maintained roadway was previously unpaved and consisted of a mixture of lime rock and clay. The project area began at the intersection with CR 557 and continued west. A Notice of Authorization to Commence Construction was issued by the WMD on November 10, 2010.

## 4.5 Existing Drainage Basins

### 4.5.1 Basin 1

Basin 1 begins at the E Swoope Street at station 1193+00 and extends north to a high point in the existing roadway profile at station 1225+00. Between station 1193+00 and station 1195+50, runoff from

CR 557 is collected by curb and gutter and conveyed to a low point along the roadway profile at station 1187+80 via a closed storm sewer system. Here, stormwater runoff is discharged directly into a wetland along the west side of the roadway which flows into Lake Alfred. Between station 1195+50 and station 1205+00, runoff from CR 557 is collected by curb and gutter and conveyed to a low point along the roadway profile at station 1199+50. Here, stormwater runoff is collected in curb inlets and piped between homeowner's properties and discharged directly into Lake Alfred. Between station 1206+00 and station 1212+00, runoff from CR 557 is collected by curb and gutter and conveyed to a low point along the roadway profile at station 1209+10. Here, stormwater runoff is collected in curb inlets and piped between homeowner's properties and discharged directly into Lake Alfred. Between station 1212+00 and station 1225+00 stormwater runoff from CR 557 is collected by curb and gutter and conveyed to a low point along the roadway profile at station 1221+00. At this point, it is undetermined where the stormwater runoff is conveyed, however, it is assumed that it ultimately discharges to Lake Alfred. This basin is considered an open basin.

#### 4.5.2 Basin 2

Basin 2 begins at a high point in the roadway profile at station 1225+00 and extends north to another highpoint in the roadway profile at station 1262+11. Between station 1225+00 and station 1236+25, stormwater runoff from the west side of CR 557 sheet flows off the roadway and across adjacent parcels directly into wetlands which discharge to Lake Alfred. Between station 1236+25 and station 1241+30 stormwater runoff from the west side of the roadway is collected by curb and gutter and conveyed north or south to an open curb flume at the roadway low point at station 1238+90, where it is then discharged offsite to an adjacent wetland which drains into Lake Alfred. Between station 1241+30 and station 1262+00, stormwater runoff from the roadway is collected in a roadside swale and conveyed south toward the adjacent wetland at station 1242+00 which drains into Lake Alfred. Between station 1225+00 and station 1236+50 stormwater runoff from the east side of the roadway is collected in a roadside swale and conveyed north to a ditch bottom inlet at approximately station 1236+00, where it is then piped into the existing stormwater pond for the Discovery Academy of Lake Alfred (permit No. 40.12909.0). Between station 1236+50 and station 1253+00, stormwater runoff from the east side of the roadway is collected in roadside swales and conveyed north or south to ditch bottom inlets on the south and north side of Evenhouse Road. These inlets are a part of a storm sewer system which collect overflow discharge from the existing pond and discharges west into the adjacent wetland which drains into Lake Alfred. Between station 1253+00 and station 1262+00, stormwater runoff from the east side of the roadway is collected in roadside swales and conveyed to a low point adjacent to the roadway at station 256+00. Here, the runoff sheet flows northeast across adjacent parcels and into a wetland system which eventually discharges into Lake Haines. This basin is considered an open basin.

#### 4.5.3 Basin 3

Basin 3 begins at a high point in the roadway profile at station 1262+11 and extends north to CD – 02 at station 1292+50 or to CD – 03 at station 1305+50 and continues north to a high point in the roadway profile at station 1339+50. Stormwater runoff from the east side of the roadway between station 1262+11 and station 1270+00 is collected in a roadside swale and conveyed north. At station 1270+00 the roadside swale opens and allows the runoff to sheet flow into the adjacent wetland. Between station 1270+00 and station 1283+00 stormwater runoff from both sides of the roadway, sheet flows directly into the wetland system on the east side of CR 557 which eventually discharges into Lake Haines. Between station 1283+00 and CD – 02 at station 1292+50 stormwater runoff from the east and west side of the roadway sheet flows directly into the wetlands on both sides of the roadway. These wetlands eventually discharge into Gum Lake. A cross drain (CD – 01) at station 1274+50 allows offsite runoff to cross beneath the roadway and continue on its historical path. Stormwater runoff from the east side of the roadway between station 1292+50 and station 1309+00 sheet flows directly into a wetland system which drains into Gum Lake. Stormwater runoff from the west side of the roadway between station 1292+50 and station 1311+40 sheet flows directly into a wetland system along the west side of the roadway which drains into Gum Lake via CD-03 at station 1305+50. From station 1309+00 on the east side of the roadway and station 1311+40 on the west side of the roadway to the end of the basin at station 1339+50

stormwater runoff is collected in roadside swales and conveyed south into the adjacent wetlands. This basin is considered an open basin.

#### 4.5.4 Basin 4

Basin 4 begins at station 1339+50 and continues north to an existing high point in the roadway profile at station 1377+20. From station 1339+50 to station 1353+00 on the east side of the roadway and station 1349+00 on the west side of the roadway stormwater runoff is collected in roadside swales and conveyed north into the adjacent wetlands on both sides of the roadway. From station 1353+00 on the east side of the roadway and station 1349+00 on the west side of the roadway to station 1356+00 stormwater runoff is collected in roadside swales and conveyed north into the adjacent wetlands. Between station 1356+00 and station 1363+00, stormwater runoff from the east side of the roadway sheet flows directly into the adjacent wetlands. Between station 1363+00 and station 1377+20 stormwater runoff from the east side of the roadway is collected in a roadside swale and conveyed south to station 1363+00 where it discharges into the adjacent wetland. Between station 1355+00 and 1357+45 stormwater runoff from the west side of the roadway sheet flows directly into the adjacent wetlands. From station 1357+45 to the end of the basin at station 1377+20 stormwater runoff from the west side of the roadway is collected in roadside swales and conveyed north or south to CD-05 at station 1362+00 where it then crosses beneath CR 557 to the east and into the adjacent wetlands. This basin is considered an open basin.

#### 4.5.5 Basin 5

Basin 5 begins at an existing high point in the roadway profile at station 1377+20 and continues north to station 1406+00. Between station 1377+00 and station 1389+00 stormwater runoff from the east side of the roadway is collected in a roadside swale and conveyed north to station 1389+00 where it discharges into the adjacent wetland. Between station 1389+00 and station 1406+00, stormwater runoff from the east side of the roadway sheet flows directly into the adjacent wetlands. From station 1377+20 to station 1385+00 stormwater runoff from the roadway is collected in roadside swales and conveyed north to station 1385+00 and discharged into the adjacent wetland. Between station 1385+00 and station 1406+00, stormwater runoff from the west side of the roadway sheet flows directly into the adjacent wetland. This basin is considered an open basin.

#### 4.5.6 Basin 6

Basin 6 begins at station 1406+00 and continues north to Polk City Road at station 1445+00. Stormwater runoff from the entire both sides of the roadway sheet flows directly into the adjacent wetlands.

#### 4.5.7 Basin 7

Basin 7 begins at station 1445+00 and continues north to the end of the project limits at station 1488+50. Stormwater runoff from the entire western side of the roadway is collected in roadside swales and conveyed north to CD-09 at station 1485+00 and discharged offsite. Along the east side of the roadway between station 1445+00 and station 1466+00 stormwater runoff from the east side of the roadway is collected in roadside swales and conveyed north to station 1466+00 where it discharges into the adjacent wetlands. Between station 1466+00 and station 1488+50 stormwater runoff from the east side of the roadway sheet flows directly into the adjacent wetlands. CD-09 at station 1485+00 allows stormwater to cross beneath CR 557 and continue northwest along its historical path. This basin is considered an open basin.

### 4.6 Existing Watershed Model Modifications

The SWFWMD's Peace River Model and Polk City Model were used as the base condition for this project's modeling efforts. More information on the origins of the ICPR models can be found in **Section 3.1**.

Of the eight proposed drainage basins within the project area, Basins 1 to 4 are included in the Peace River Model and Basins 5 to 8 are included in the Polk City Model. The unmodified models from the SWFWMD are referred to as the “Original Models.” The models were then truncated to include only the basins pertinent to the project, and new time-stage boundary nodes were established based on the time series data from the original models. The truncated models without any data updates are referred to as the “Duplicate Models.” Maximum node stage results from the Duplicate Model were compared to results from the Original Model to confirm that stages were not changed as a result of truncating the model.

The Duplicate Model was then updated with new survey data as the basis for the “Existing Model.” Another modification included the division of Basin B2050 into two basins to account for a pipe crossing along CR 557.

The Original Model uses the Green-Ampt method to determine excess runoff for each basin. In order to use the SCS curve number method for the proposed condition, the Existing Model was modified to also receive runoff generated from this method. The seven existing basins described in the previous section were divided so that each model basin adjacent to the road received the respective roadway area that drained to the existing node. An existing curve number was generated for the proposed condition footprint (proposed roadway area, offsite areas, and pond footprint) using the existing land use and soils. Each new basin was assigned to its respective existing node. This is a conservative approach to compare proposed flows generated from the curve number method to existing flows for the pre/post analysis. The Existing Models were used as the base condition for the Proposed Models.

#### 4.7 Seasonal High Water (SHW) Elevation Justification

The seasonal high water (SHW) elevations along the project were evaluated in order to accurately model the current conditions of the wetlands adjacent to the road. Water elevations in the lakes and wetlands in questions were used as the tailwater conditions for the proposed ponds. Various sources were considered in order to establish the SHW elevations.

Initial stage data from the SWFWMD watershed models was considered in determining the SHW elevations for the lake and wetland nodes. SHW elevations were also provided in the geotechnical investigation. Lastly, biological indicators that represent the SHW, such as stain lines on cross drains and trees, were surveyed. Significant differences between all three data sources prompted a reconciliation effort. Please refer to **Table 4-3** for a **Summary of Seasonal High Water Elevation Sources**.

Table 4-3: Summary of Seasonal High Water (SHW) Elevation Sources

Node Name	Description	Seasonal High Water (SHW) Elevation Source (NAVD88)				100-Year Flood Elevation <sup>2</sup>	SHW Control
		Geotech Borings <sup>1</sup>	NWL from SWFWMD Model	Biological Indicator			
				Elevation	Source		
POND1A	Pond 1A	145.0	-	-	-	131.80	145.00
POND1B	Pond 1B	145.6	-	-	-		145.60
POND2	Pond 2	136.4	-	-	-		131.90
NB0040	Outfall for Ponds 1A, 1B and 2 (Lake Alfred)	-	130.20	131.91	Surveyed Wetland Flag		
POND3	POND3	135.40	-	-	-	132.30	132.90
NB2050	Outfall for Pond 3 (Camp Lake Depression)	-	129.60	132.90	Wetland Flag at SHW Stain line on Tree		132.90
POND4	POND4	N/A	-	-	-	132.24	132.60
NB2020	Outfall for Pond 4 (Wetlands)	-	129.60	132.62	SHW Stain line at CD-03		132.60
POND5	POND5	131.50	-	-	-	133.30	131.80
NO14220	Outfall for Pond 5 (Wetlands)	-	131.00	131.83	Surveyed Wetland Flag		131.80
POND6	POND6	130.70	-	-	-	132.90	131.70
POND7	POND7	131.60	-	-	-		
NHH8117	Outfall for Ponds 6 and 7 (Wetlands)	-	131.32	131.70	Surveyed Wetland Flag		
POND8	POND8	132.40	-	-	-	132.80	131.90
NHH81180	Outfall for Pond 8 (Wetlands)	-	131.23	131.90	Surveyed Wetland Flag		

1. The geotechnical boring SHW elevations presented are the average SHW of all boring locations at the pond site.

2. The FEMA flood elevation was used if available. If not, the 100-year, 5-day flood elevation from the respective SWFWMD model was used.

## 5.0 Proposed Drainage Conditions

Polk County Roads and Drainage proposes to widen CR 557 from North of the CSX Railroad to South of I-4 Interchange, a distance of approximately six (6) miles, in Polk County, Florida. The proposed improvements include two typical section segments. Segment 1 begins north of the CSX railroad and continues north to station 1384+00. This segment consists of an Urban Typical Section with two (2) 12-foot travel lanes in each direction with a 22-foot raised grassy median, a 6-foot sidewalk on the northbound side and a 12-foot multi-use path along the southbound side.

Segment 2 begins at station 1384+00 and continues north to the end of the project at station 1488+50, south of the I-4 Interchange. This segment consists of a rural typical section with 12-foot lanes in each direction, a 40-foot depressed grassy median with 6-foot inside shoulders, 10-foot outside shoulders (5-foot paved), 5-foot wide ditches with 1:4 (V:H) front and back slopes, and a 12-foot multi-use path along the southbound side.

Urban roundabouts are proposed at the intersection of CR 557 and CR 557A and at the intersection of CR 557 and Old Polk City Road. Please see the **Typical Sections** in **Exhibit 2A** through **2M** in **Appendix A**. Improvements also include stormwater conveyance systems and the construction of offsite dry retention and wet detention ponds for stormwater treatment and attenuation.

Depending on the typical section, the stormwater runoff from the roadway will be collected by curb and gutter or roadside ditches and directed toward proposed inlets along the roadway. Closed storm sewer systems will then convey the stormwater runoff to the proposed dry retention and wet detention ponds. In the proposed condition, the roadway will be divided into eight (8) local drainage basins for stormwater treatment and attenuation purposes. The ponds will discharge at or near the same cross drains that carry the roadway runoff in the existing condition.

### 5.1 Proposed Watershed Model Modifications

The SWFWMD's Peace River Model and Polk City Model were used as the base condition for this project's modeling efforts. Both models were modified to create this project's existing conditions models; referred to as the "Existing Models." More information on the modifications performed to update the models to existing conditions can be found in **Section 4.6**, above. The Existing Models were further modified to represent the project's proposed conditions and are referred to as the "Proposed Models."

The existing basins that represented the proposed roadway footprint were combined and rerouted in the Proposed Models to their respective new pond nodes. The impervious and pervious layers were updated for each roadway basin to generate new curve numbers for the proposed condition. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for node, link and basin connectivity.

### 5.2 Pond Design

There are nine (9) proposed stormwater ponds within the project limits. Analysis of the proposed ponds were performed using ICPR v3.10 Service Pack 11 by Streamline Technologies. Runoff hydrographs were created using the SCS Unit hydrograph method for both the pre-development and post-development conditions. The post-development hydrographs were then routed through the proposed pond systems. Tailwater time-stage information was used from the Peace Creek and Polk City Watershed models for CR 557 for each of the design storm events.

The onsite roadway basin areas draining to the ponds were determined to be the areas within the proposed right-of-way limits which drain to the proposed pond sites. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for basin delineations and pond locations.

Control elevations for the proposed ponds were estimated based upon the best available data. Many of the pond control elevations are based on the season high water levels determined from surveyed wetland flags. Geotechnical investigations have been performed on each of the proposed ponds and may differ

from the control elevations presented in the watershed models. In such instances impermeable liners are proposed to prevent groundwater intrusion into the pond.

This project will have no adverse impact to the area’s water quality. Stormwater runoff of the project area will be treated as required by the rules set forth by the SWFWMD. **Pond Design Calculations**, including pond geometry and elevations, ICPR results, time of concentration calculations and composite curve number calculations can be found in **Appendix D**.

### 5.3 Proposed Drainage Basins and Ponds

Please refer to **Table 5-3: Summary of Proposed Drainage Basins** for proposed basin limits, **Table 5-4: Summary of Treatment Volumes** for required and provided treatment volumes and **Table 5-5: Summary of Peak Stages and Discharge** for design highwaters and a pre/post flow comparison.

Table 5-3: Summary of Proposed Drainage Basins

BASIN NAME	FROM STATION	TO STATION	LENGTH (FT)
Basin 1	1193+00	1225+00	3200
Basin 2	1225+00	1262+11	3711
Basin 3	1262+11	1305+50	4339
Basin 4	1305+50	1339+50	3400
Basin 5	1339+50	1377+22	3772
Basin 6	1377+22	1406+00	2878
Basin 7	1406+00	1444+83	3883
Basin 8	1444+83	1488+50	4367

Table 5-4: Summary of Treatment Volumes

Basin	Proposed Total Area (ac)	Proposed Impervious Area (ac)	Required Treatment Volume (ac-ft)	Provided Treatment Volume (ac-ft)	Treatment Elevation (ft)
BASIN 1A	1.87	0.48	0.23	0.79	150.00
BASIN 1B	17.42	5.14		0.38	150.00
BASIN 2	18.76	7.54	0.63	0.73	132.40
BASIN 3	13.03	7.83	0.65	0.83	133.30
BASIN 4	17.69	6.09	0.51	0.52	133.20
BASIN 5	25.83	6.66	0.56	0.56	132.10
BASIN 6	19.07	8.70	0.72	0.79	132.10
BASIN 7	18.42	8.35	0.70	0.73	132.20
BASIN 8	20.59	9.97	0.83	0.84	132.40

\*Note: Required treatment volume is equal to 1” of runoff over the DCIA



Table 5-5: Summary of Peak Stages and Discharge

NODE NAME	DESCRIPTION	NODE MAX STAGE		NODE MAX INFLOW		
		DHW	DHW	EXISTING (EX)	PROPOSED (PR)	DIFFERENCE
		10YR24HR	25YR24HR	25YR24HR	25YR24HR	PR-EX
POND1A	Pond 1A	151.14	151.35	-	13.59	-
POND1B	Pond 1B	151.17	151.40	-	17.86	-
POND2	Pond 2	133.51	133.64	-	29.97	-
NB0040	Outfall for Pond 1A, 1B and 2 (Lake Alfred)	130.87	130.92	1477.55	1473.92	-3.64
POND3	Pond 3	133.88	133.92	-	28.72	-
NB2050	Outfall for Pond 3 (Lake Camp Depression)	130.03	130.07	41.89	36.64	-5.25
POND4	Pond 4	134.06	134.14	-	19.59	-
NB2020	Outfall for Pond 4 (Wetlands)	130.74	130.83	248.67	248.38	-0.29
POND5	Pond 5	132.94	133.17	-	30.83	-
NO14220	Outfall for Pond 5 (Wetlands)	131.89	132.27	180.23	176.90	-3.33
POND6	Pond 6	132.75	132.91	-	30.06	-
POND7	Pond 7	132.85	133.00	-	27.91	-
NHH8117	Outfall for Pond 6 and Pond 7 (Wetlands)	132.21	132.34	522.52	503.16	-19.36
POND8	Pond 8	133.58	133.83	-	26.43	-
NHH81180	Outfall for Pond 8 (Wetlands)	131.65	131.77	94.42	82.27	-12.15

### 5.3.1 Basin 1

Basin 1 is located between station 1193+00 and station 1225+00. Basin 1 is considered an open basin because the surrounding area drains to Lake Alfred. This basin is located within WBID 1504B – Lake Hamilton Drain which is not impaired for nutrients, however, a pollutant loading analysis has been provided for this basin because it discharges into Lake Alfred (WBID 1488D) which is impaired for Nutrients; Total Nitrogen and Chlorophyll-A. More information on the pollutant loading analysis can be found in **Section 5.5**. Stormwater runoff will be collected by curb & gutter and conveyed to storm sewer inlets along the roadway, where it will then enter a closed storm sewer system and discharge into Ponds 1A and 1B.

#### 5.3.1.1 Pond 1A & 1B

Two separate but interconnected dry retention ponds, Pond 1A and Pond 1B, are proposed to provide treatment and attenuation for the proposed CR 557 improvements within Basin 1. Pond 1A is located along the west side of CR 557 between station 1193+00 and 1195+60 and encompasses three (3) parcels; #26-27-32-503700-000120, #26-27-32-503700-000070, and #26-27-32-503700-000060. Pond 1B is also located along the west side of CR 557 between station 1197+50 and station 1203+00 and encompasses four (4) complete parcels and a portion of a fifth parcel. Parcels #26-27-32-508500-000030, #26-27-29-494100-000010, #26-27-29-494000-000012, and #26-27-29-494100-000020 will be completely acquired while only a portion of parcel #26-27-29-000000-042070 will be acquired for the construction of Pond 1B. Please refer to the **Proposed Nodal Network Maps in Appendix B** for the location of the pond.

Geotechnical borings on the site have determined that the water table depth is greater than 10 feet and therefore an elevation was not provided. The seasonal high water table was then assumed to be 10 feet lower than the provided existing ground elevation; 145.0 feet for Pond 1A and 145.6 feet for Pond 1B.

The total onsite roadway basin includes 9.38 acres with 5.62 acres of impervious area from the proposed improvements. The total contributing basin area is 19.29 acres and includes 9.91 acres of offsite area. Calculations indicate that Basin 1 requires 0.23 ac-ft of treatment volume. Stormwater runoff from Basin 1 is detained in Pond 1A and Pond 1B which are connected via a 30" equalizer pipe. Pond 1A discharges via a control structure (OCS-1) which consists of a modified Type C Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 152.00 feet and an 18" outfall pipe which connects to an existing curb inlet that outfalls into Lake Alfred. OCS-1 also has a 1-foot wide weir notch set above the required treatment elevation at elevation 150.00 feet, which provides 0.79 ac-ft of treatment volume within the pond.

Ponds 1A and 1B were modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the ponds is at elevation 151.35 feet and 151.40 feet, respectively. This provides 1.65 feet of freeboard within Pond 1A and 1.60 feet within Pond 1B.

The recovery analysis for the dry ponds was performed using the PONDS (Version 3.3) software by Devo Engineering. The horizontal and vertical permeability rates were determined by taking the average of the permeability rates from each boring. A horizontal permeability rate of 28.5 feet/day and a vertical permeability rate of 37.3 feet/day were used for the recovery analysis with an included factor of safety of 2. Because Pond 1A and 1B are connected by an equalizer pipe, the treatment volume provided by both ponds was included in the recovery analysis. For dry ponds, the required treatment volume is determined by providing half an inch (0.5") over the Directly Connected Impervious Areas (DCIA). A volume of 0.23 acre-feet was required for Basin 1 and a volume of 1.17 acre-ft was provided between both ponds. The PONDS model results demonstrate that the provided treatment volume recovers in six (6) hours.

### 5.3.2 Basin 2

Basin 2 is located between station 1225+00 and station 1262+11. Basin 2 is considered an open basin because the surrounding area drains to Lake Alfred. This basin is located within WBID 1504B – Lake Hamilton Drain which is not impaired for nutrients, however, a pollutant loading analysis has been provided for this basin because it discharges into Lake Alfred (WBID 1488D) which is impaired for nutrients; Total Nitrogen and Chlorophyll A. More information on the pollutant loading analysis can be found in Section 5.5. Stormwater runoff will be collected by curb & gutter and conveyed to storm sewer inlets along the roadway, where it will then enter a closed storm sewer system and discharge into Pond 2.

#### 5.3.2.1 Pond 2

Pond 2 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 2. Pond 2 is located along the west side of CR 557 between station 1231+00 and station 1235+50 and encompasses a portion of one parcel #26-27-29-000000-032010. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

Geotechnical borings on the site determined that the SHWT is at elevation 136.4 feet. The established control elevation for Pond 2 was based on the surveyed wetland flags and was set at 131.90 feet. Because this estimate is lower than the geotechnical findings, a clay core liner is required in this pond.

The total onsite roadway basin includes 12.07 acres with 7.54 acres of impervious area from the proposed improvements. The total contributing basin area is 18.76 acres and includes 6.69 acres of offsite area. Calculations indicate that Basin 2 requires 0.63 ac-ft of treatment volume. Stormwater runoff from Basin 2 is detained in Pond 2 via a control structure (OCS-2) which consists of a modified Type C Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 133.70 feet, a 2-1/16" orifice set at the control elevation and an 18" outfall pipe which outfalls to a spreader swale before discharging into Lake Alfred. OCS-2 also has a 31" wide weir notch set above the required treatment elevation at elevation 132.40 feet, which provides 0.73 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the pond is at elevation 133.64 feet. This provides 1.06 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the

volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery analysis was determined to be 132.27 feet. This elevation was set as the pond's initial stage in the ICPR model.

### 5.3.3 Basin 3

Basin 3 is located between station 1262+11 and station 1305+50. Basin 3 is considered an open basin because the surrounding area drains to Lake Camp and Gum Lake. This basin is located within WBID 1504B – Lake Hamilton Drain which is not impaired for nutrients. Stormwater runoff will be collected by curb & gutter and conveyed to storm sewer inlets along the roadway, where it will then enter a closed storm sewer system and discharge into Pond 3.

#### 5.3.3.1 Pond 3

Pond 3 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 3. Pond 3 is located along the west side of CR 557 between station 1281+40 and station 1286+00 and encompasses a portion of one parcel #26-27-20-000000-032040. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

Geotechnical borings on the site have determined that the SHWT is at elevation 135.40 feet. The established control elevation for Pond 3 was based on the surveyed wetland flags and was set at 132.90 feet. Because this estimate is lower than the geotechnical findings, a clay core liner is required in this pond.

The total onsite roadway basin includes 13.03 acres with 7.83 acres of impervious area from the proposed improvements. The total contributing basin area is 13.03 acres and includes 3.02 acres for the pond. Calculations indicate that Basin 3 requires 0.65 ac-ft of treatment volume. Stormwater runoff from Basin 3 is detained in Pond 3 via a control structure (OCS-3) which consists of a modified Type H (4 Grate) Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 135.10 feet, a 2-1/8" orifice set at the control elevation and a 30" outfall pipe which outfalls to a spreader swale before discharging into Camp Lake. OCS-3 also has four (4) 20.25" wide weir notches on the front of the structure and a 36" wide weir notch on both sides, for a total weir width of 153 inches. The weir notches are set above the required treatment elevation at elevation 133.30 feet, which provides 0.83 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the pond is at elevation 133.92 feet. This provides 2.18 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery analysis was determined to be 133.20 feet. This elevation was set as the pond's initial stage in the ICPR model.

### 5.3.4 Basin 4

Basin 4 is located between station 1305+50 and station 1339+50. Basin 4 is considered an open basin because the surrounding area drains to nearby wetlands and Gum Lake. This basin is located within WBID 1504B – Lake Hamilton Drain which is not impaired for nutrients. Stormwater runoff will be collected by curb & gutter and conveyed to storm sewer inlets along the roadway, where it will then enter a closed storm sewer system and discharge into Pond 4. Offsite basins that drain toward the road are collected by back of sidewalk inlets which make up two separate offsite systems, adjacent to the road. The closed offsite systems drain to the south and connect to CD-03 to discharge to Gum Lake to the east.

#### 5.3.4.1 Pond 4

Pond 4 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 4. Pond 4 is located along the west side of CR 557 between station 1317+04 and station 1318+91 and encompasses one complete parcel, #26-27-17-000000-042020, and a portion of a second parcel, #26-27-17-000000-044010. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

A geotechnical investigation shall be performed for Pond 4 for the next submittal. The established control elevation for Pond 4 was based on the surveyed wetland flags and was set at 132.60 feet.

The total onsite roadway basin includes 10.26 acres with 6.09 acres of impervious area from the proposed improvements. The total contributing basin area is 17.69 acres which includes 1.47 acres for the pond and 7.43 acres from offsite areas. Calculations indicate that Basin 4 requires 0.51 ac-ft of treatment volume. Stormwater runoff from Basin 4 is detained in Pond 4 via a control structure (OCS-4) which consists of a modified Type D Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 134.70 feet, a 1-9/16" orifice set at the control elevation and a 30" outfall pipe which outfalls to a spreader swale before discharging into nearby wetlands. OCS-4 also has a 49" wide weir notch on the front of the structure and a 12" wide weir notch on one side of the structure, for a total weir width of 61-inches. The weir notches are set above the required treatment elevation at elevation 133.20 feet, which provides 0.52 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the pond is at elevation 134.14 feet. This provides 1.56 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery analysis was determined to be 133.05 feet. This elevation was set as the pond's initial stage in the ICPR model.

### 5.3.5 Basin 5

Basin 5 begins at station 1339+50 and continues to a highpoint in the roadway profile which occurs at the first roundabout at station 1377+22. Basin 5 is considered an open basin because the surrounding area drains to nearby wetlands. This basin is located within WBID 1329G – Withlacoochee River which is not impaired for nutrients. Stormwater runoff will be collected by curb & gutter and conveyed to storm sewer inlets along the roadway, where it will then enter a closed storm sewer system and discharge into Pond 5. Offsite basins on the east and west sides of the road drain toward roadside ditches which discharge into an adjacent wetland.

#### 5.3.5.1 Pond 5

Pond 5 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 5. Pond 5 is located along the east side of CR 557 between station 1351+90 and station 1356+40 and encompasses a portion of one parcel, #26-27-17-000000-011010. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

Geotechnical borings on the site have determined that the SHWT is at elevation 131.50 feet. The established control elevation for Pond 5 was based on the surveyed wetland flags and was set at 131.80 feet.

The total onsite roadway basin includes 12.75 acres with 6.66 acres of impervious area from the proposed improvements. The total contributing basin area is 25.83 acres which includes 2.82 acres for the pond and 13.07 acres from offsite areas. Calculations indicate that Basin 5 requires 0.56 ac-ft of treatment volume. Stormwater runoff from Basin 5 is detained in Pond 5 via a control structure (OCS-5) which consists of a modified Type H (2 Grate) Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 134.00 feet, a 2-1/8" orifice set at the control elevation and a 30-inch outfall pipe which outfalls to a spreader swale before discharging into nearby wetlands. OCS-5 also has two (2) 33.5-inch wide weir notches set above the required treatment elevation at elevation 132.10 feet, which provide 0.56 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the pond is at elevation 133.17 feet. This provides 1.83 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery

analysis was determined to be 132.01 feet. This elevation was set as the pond's initial stage in the ICPR model.

### 5.3.6 Basin 6

Basin 6 is made up of two roadway sections whose stormwater runoffs discharge into Pond 6. The first section includes the realignment of CR 557A from a high point in the profile at station 600+20 to the high point at the roundabout at station 616+20. The second roadway section comprising Basin 6 begins at station 1377+22 and ends at highpoints in the profile for the left and right sides of the road in super elevation at stations 1408+91 and 1406+00, respectively.

Station 1384+00 marks the start of the rural typical section for the road, referred to as Segment 2. Runoff from the rural section drains off the road directly into roadside ditches which are collected by ditch bottom inlets and conveyed to the pond. A portion of the CR 557A realignment also drains directly into roadside ditches, from station 600+20 to station 611+80, which then enters a closed storm sewer system and combines with the runoff from the northern roadway section before discharging into Pond 6 at one location.

Basin 6 is considered an open basin because the surrounding area drains to nearby wetlands. This basin is located within WBID 1329G – Withlacoochee River which is not impaired for nutrients.

#### 5.3.6.1 Pond 6

Pond 6 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 6. Pond 6 is located along the east side of CR 557 between station 1377+22 and station 1406+00 and encompasses a portion of one parcel, #26-27-08-000000-012010. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

Geotechnical borings on the site have determined that the SHWT on the site is at elevation 130.70 feet. The established control elevation for Pond 6 was based on the surveyed wetland flags and was set at 131.70 feet.

The total onsite roadway basin includes 16.16 acres with 8.70 acres of impervious area from the proposed improvements. The total contributing basin area is 19.07 acres which includes 2.91 acres for the pond. Calculations indicate that Basin 6 requires 0.72 ac-ft of treatment volume. Stormwater runoff from Basin 6 is detained in Pond 6 via a control structure (OCS-6) which consists of a modified Type H (4 Gate) Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 134.00 feet, a 2-3/16" orifice set at the control elevation and a 30-inch outfall pipe which outfalls to a spreader swale before discharging into nearby wetlands. OCS-6 also has four (4) 20.25" wide weir notches on the front of the structure and a 36" wide weir notch on both sides, for a total weir width of 153 inches. The weir notches are set above the required treatment elevation at elevation 132.10 feet, which provides 0.79 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the pond is at elevation 132.91 feet. This provides 2.09 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery analysis was determined to be 131.99 feet. This elevation was set as the pond's initial stage in the ICPR model.

### 5.3.7 Basin 7

Basin 7 begins at station 1406+00 at the high point of the roadway profile and continues to station 1444+83 at the highpoint of the second roundabout. Basin 7 is considered an open basin because the surrounding area drains to nearby wetlands. This basin is located within WBID 1329G – Withlacoochee River which is not impaired for nutrients. Because the rural typical section does not utilize curb and gutter, stormwater runoff flows directly into median and roadside ditches. The runoff collected in the median is piped to the outer roadside ditches, then conveyed to Pond 7 via a series of DBIs at the low point in the profile at station 1424+00.

### 5.3.7.1 Pond 7

Pond 7 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 7. Pond 7 is located along the east side of CR 557 between station 1421+14 and station 1424+97 and encompasses a portion of a one parcel, #26-27-05-000000-014010. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

Geotechnical borings on the site have determined that the SHWT on the site is at elevation 131.60 feet. The established control elevation for Pond 7 was based on the surveyed wetland flags and was set at 131.70 feet.

The total onsite roadway basin includes 16.18 acres with 8.35 acres of impervious area from the proposed improvements. The total contributing basin area is 18.42 acres which includes 2.24 acres for the pond. Calculations indicate that Basin 7 requires 0.70 ac-ft of treatment volume. Stormwater runoff from Basin 7 is detained in Pond 7 via a control structure (OCS-7) which consists of a modified Type H (4 Grate) Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 134.00 feet, a 2-1/16" orifice set at the control elevation and a 30-inch outfall pipe which outfalls to a spreader swale before discharging into nearby wetlands. OCS-7 also has four (4) 20.25" wide weir notches on the front of the structure and a 36" wide weir notch on both sides, for a total weir width of 153 inches. The weir notches are set above the required treatment elevation at elevation 132.20 feet, which provides 0.73 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year/24-hour peak stage in the pond is at elevation 133.00 feet. This provides 2.00 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery analysis was determined to be 132.05 feet. This elevation was set as the pond's initial stage in the ICPR model.

### 5.3.8 Basin 8

Basin 8 begins at the high point in the roundabout at station 1444+83 and ends at the end of the project at station 1488+50. Basin 8 is considered an open basin because the surrounding area drains to nearby wetlands. This basin is located within WBID 1329G – Withlacoochee River which is not impaired for nutrients. Because the rural typical section does not utilize curb and gutter, stormwater runoff flows directly into median and roadside ditches. The runoff collected in the median is piped to the outer roadside ditches, then conveyed to Pond 8 via a series of DBIs at the low point in the profile at station 1479+00.

### 5.3.8.1 Pond 8

Pond 8 is a wet detention pond that will provide treatment and attenuation for the proposed CR 557 improvements within Basin 8. Pond 8 is located along the west side of CR 557 between station 1478+41 and station 1484+35 and encompasses three complete parcels, #26-26-31-488580-000030, #26-26-31-488580-000040 and #26-26-31-488580-000050. Please refer to the **Proposed Nodal Network Maps** in **Appendix B** for the location of the pond.

Geotechnical borings on the site have determined that the SHWT on the site is at elevation 132.40 feet. The established control elevation for Pond 8 was based on the surveyed wetland flags and was set at 131.90 feet.

The total onsite roadway basin includes 17.68 acres with 9.97 acres of impervious area from the proposed improvements. The total contributing basin area is 20.59 acres which includes 2.91 acres for the pond. Calculations indicate that Basin 8 requires 0.83 ac-ft of treatment volume. Stormwater runoff from Basin 8 is detained in Pond 8 via a control structure (OCS-8) which consists of a modified Type D Ditch Bottom Inlet (DBI) with its top elevation set 1-foot below the inside berm at elevation 134.30 feet, a 2-1/2" orifice set at the control elevation and a 30-inch outfall pipe which outfalls to a spreader swale before discharging into nearby wetlands. OCS-8 also has a 37-inch wide weir notch set above the

required treatment elevation at elevation 132.4 feet, which provides 0.84 ac-ft of treatment volume within the pond.

The pond was modeled using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. This routing indicates that the 25-year, 24-hour peak stage in the pond is at elevation 133.83 feet. This provides 1.47 feet of freeboard within the pond. SWFWMD criteria states that only that volume which drains below the overflow elevation within 36 hours may be counted as part of the volume required for water quantity storage. The stage in the pond as a result of the 36-hour recovery analysis was determined to be 132.25 feet. This elevation was set as the pond's initial stage in the ICPR model.

## 5.4 Floodplain Impacts and Compensation

Development within the 100-year floodplain has the potential for placing citizens and property at risk of flooding and producing changes in floodplain elevations and plan view extent. Development (such as roadways, housing developments, strip malls and other commercial facilities) within floodplains increases the potential for flooding by limiting flood storage capacity and exposing people and property to flood hazards. Development also reduces vegetated buffers that protect water quality and destroys important habitats for fish and wildlife. The area surrounding the proposed roadway widening project has and will continue to experience growth.

Any floodplain impacts will be mitigated for in offsite floodplain compensation sites. Approximate Floodplain Impact Areas (FIA) have been determined based on areas in which the 100-year floodplain lies within the proposed right-of-way. Within the project limits, fourteen (14) FIA have been identified.

**Figure 4-1** illustrates the locations of these Floodplain Impact Areas.

Southwest Florida Water Management District (SWFWMD) has two watershed models within Polk County that include the extents of the project corridor: Polk City Watershed Model and the Peace Creek Watershed Model. Most FIA's are represented by a stage area node and basin in the ICPR models except for the east side of CR 557 between station 1347+60 and 1480+60. This area was represented by a time/stage node (BNDRY20) in the Polk City Watershed Model and was not assigned a basin. Floodplain impacts within the model extents were quantified by reducing the node stage/area by the proposed area impacting the floodplain within each basin at 1-foot increments between the SHWT and the 100-year flood elevation. Existing ground contours were obtained from the survey data. The floodplain impact stage/area calculations for each basin can be found in **Appendix E, Floodplain Impact and Compensation Calculations**.

For the remaining area not represented by a modeled basin (FIA-9A, 9B and 9C), floodplain impacts were quantified by cutting existing ground cross sections at critical junctures along the FIAs. Existing ground cross sections were developed from the survey. Then, the SHWT and FEMA adopted floodplain elevation was drawn upon the cross sections. Using the average end-area method, volumetric impacts were quantified conservatively at 1-foot intervals as the average area between the 100-year flood elevation and the SHWT elevation for two consecutive cross sections and then multiplied by the distance between the two cross sections. The floodplain impact volume calculations using the cup-for-cup method can be found in **Appendix E, Floodplain Impact and Compensation Calculations**.

The analysis data indicate that approximately 38.93 ac-ft of 100-year floodplain volume is impacted within the project limits. Please see **Table 5-6** below for a summary of the floodplain impact analysis results. The node maximum stages for the 100-year, 5-day storm are included in **Table 5-7** and **Table 5-8** for the Peace Creek Model and Polk City Model, respectively, in **Appendix E**.

Table 5-6: Summary of Floodplain Impact Areas (FIA)

FIA NAME	METHOD	OFFSET	FROM STATION	TO STATION	LENGTH OF IMPACT (FT)	100-YR FLOOD ELEVATION (FT)	SHW ELEVATION (FT)	IMPACT VOLUME (AC-FT)
FIA – 1	Average Area	LT	1235+66	1242+00	634	131.80	131.90	0.00
FIA – 2	Average Area	RT	1274+35	1277+37	302	132.70	132.90	0.00
FIA – 3	Average Area	LT	1285+97	1295+78	981	132.30	132.90	0.00
FIA – 4	Average Area	RT	1289+49	1308+73	1,924	132.30	132.60	0.00
FIA – 5	Average Area	LT	1305+82	1307+49	167	132.24	132.60	0.00
FIA – 6	Average Area	LT	1350+94	1361+50	1,056	133.30	131.80	1.52
FIA – 8A	Average Area	LT	1383+80	1430+25	4,645	132.90	131.70	17.61
FIA – 8B	Average Area	LT	1430+25	1455+00	2,475	132.90	131.70	6.02
FIA – 9A	Cup for Cup	RT	1347+00	1371+00	2,400	133.90	131.80	3.07
FIA – 9B	Cup for Cup	RT	1382+00	1422+00	4,000	133.90	131.70	6.30
FIA – 9C	Cup for Cup	RT	1429+00	1446+00	1,700	131.90	131.70	0.16
FIA – 10	Average Area	LT	1462+50	1474+20	1,170	133.00	131.90	2.08
FIA – 11	Average Area	RT	1474+20	1489+50	1,530	132.80	131.90	2.12
FIA – 12	Average Area	RT	1486+67	1488+50	183	132.00	131.90	0.05
Total								38.93

### 5.4.1 Floodplain Compensation

The proposed widening of CR 557 will impact portions of the existing 100-year floodplain on the east and west side of the roadway in Basin 1 through Basin 8. Therefore, floodplain compensation (FPC) must be provided to mitigate the affected areas. Compensation volumes were calculated to be the available volume between the Seasonal High Water Table (SHWT) of the proposed compensation site and the 100-year flood elevation of the Floodplain Impact Area. Floodplain Compensation Areas (FPCA) are shown in **Figure 4-1**. The Floodplain Compensation Sites are in the process of being designed and will be finalized in the next phase. Details for each Floodplain Compensation Site are found in the subsequent paragraphs.

#### 5.4.1.1 Floodplain Compensation Site 4

Floodplain Compensation Site 4 (FPC 4) is located along the east side of CR 557. The compensation site sits within Basin 5 at approximately station 1355+00 and is not included in the extents of the watershed model. Therefore, floodplain impacts and compensation volumes were calculated using the cup-for-cup method. The 100-year flood elevation was determined from FEMA FIRM panel No. 12105C0215G dated December 22, 2016, the Polk City Watershed Model, the Hilochee Wildlife Management Hydrological Study and the I-4 / SR 557 interchange flood model to be 133.90 feet. The SHW elevation for the area is 131.80 feet. FPC 4 provides compensation for Floodplain Impact Areas 9A, 9B and 9C. The following tables show the incremental impacts (**Table 5-9**) and the current compensation volume provided in FPC 4 (**Table 5-10**). **Table 5-10** also shows the additional volume needed in FPC 4 in order to compensate the total impacts. The design for this FPC site includes a possible expansion and will be finalized in the next phase. Additional floodplain impact and compensation calculations can be found in **Appendix E**.



Table 5-9

Total Required FPC Volume (per foot increment)	
Elevation (ft)	Volume (af-ct) (FIA-9A) + (FIA-9B) + (FIA-9C) C
133.0 to 133.9	4.30
132.0 to 133.0	3.64
131.7 to 132.0	0.75

Table 5-10

Summary Floodplain Compensation Areas			
Name	Compensation Volume Provided (ac-ft)		Volume Required in FPC Site Expansion (ac-ft) (C - D)
	Elevation (ft)	Volume (af-ct) D	
FPC 4	133.0 to 133.9	1.67	2.63
	132.0 to 133.0	2.06	1.58
	131.7 to 132.0	0.43	0.32

**5.4.1.2 Floodplain Compensation Site 6**

Floodplain Compensation Site 6 (FPC 6) is located along the west side of CR 557. The compensation site sits within Basin 8 at approximately station 1465+00. The 100-year flood elevation was determined from FEMA FIRM panel No. 12105C0215G dated December 22, 2016 to be 133.90 feet. FPC 6 provides compensation for Floodplain Impact Area 10 (FIA – 10) located approximately from station 1466+20 to 1473+97. This Floodplain Compensation Site is in the process of being designed and will be finalized in the next phase. Storage modeling will demonstrate no increase in flood stages on off-site properties.

Figure 5-1: Floodplain Impact Area (FIA) Map



**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**FLOODPLAIN IMPACT AREA (FIA) MAP**  
 Figure 5-1



## 5.5 Nutrient Loading

Nutrient loading calculations have been provided to demonstrate the pre vs post development loading rates discharged to the impaired waterbody. Calculations were performed using the BMPTRAINS (v 4.3.2) software developed by the University of Central Florida Stormwater Academy. The model is used to evaluate stormwater runoff nutrient loads as well as treatment efficiencies for the wet detention stormwater ponds. The model estimates the required annual efficiency of the ponds for nitrogen and phosphorous. The required removal efficiency of the ponds is estimated from the increase or decrease of annual nutrient loadings due to development. The annual nitrogen and phosphorous loadings are calculated based on the annual runoff volumes and Event Mean Concentrations (EMC) for the pre and post development conditions. The annual runoff volumes in the BMPTRAINS model are computed based on the project meteorological zone location, watershed area, mean annual rainfall depth, non-DCIA Curve Number, and DCIA percentage. The model provides the capability of subdividing the analyzed watershed into four (4) separate catchment areas. This can be utilized if the existing or proposed conditions for the project area can be characterized by more than one land use (i.e. Roadway and Agricultural – Pasture).

This Drainage Design Documentation analyzes the proposed stormwater ponds for their nutrient removal efficiency. Upon entering a wet detention pond, stormwater inputs mix with existing water contained in the permanent pool. Physical, chemical, and biological processes begin to rapidly remove pollutant inputs from the water column. Water which leaves through the orifice in the outfall structure is a combination of the mixture of stormwater and the water contained within the permanent pool. In general, the concentration of constituents in the permanent pool are typically much less than input concentrations in stormwater runoff, resulting in discharges from the facility which are substantially lower in concentration than found in raw stormwater. As a result, good removal efficiencies are achieved within a wet detention facility for most stormwater constituents. Although the littoral zone provides a small amount of enhanced biological uptake, previous research has indicated that a vast majority of removal processes occurring in wet detention facilities occur within the permanent pool volume rather than in the littoral zone vegetation for the treatment volume.

Retention basins provide numerous benefits, including reducing stormwater runoff volume, which reduces the average annual pollutant loading that may be discharged from the land. Additionally, many stormwater pollutants such as suspended solids, oxygen demanding materials, heavy metals, bacteria, some varieties of pesticides, and nutrients are removed as runoff percolates through the soil profile. The capture percentage on an annual basis is dependent on the rainfall zone and the size of the basin.

The treatment effectiveness of all retention BMPs is directly related to the percentage of the average annual stormwater volume that is captured and not surface discharged. The capture depth (inches) is calculated as the volume of the basin divided by the watershed area using standard conversion factors.

The project traverses two (2) Waterbody ID's (WBID) within SWFWMD: 1329G Withlacoochee River and 1504B Lake Hamilton Drain, with possible direct discharges which may occur to 1488C1 Gum Lake, 1488D3 Lake Camp, 1488D1 Grass Lake, 1488V Lake Swoope, which are not impaired according to the current FDEP 303(d) list of impaired water bodies, as well as, 1488D Lake Alfred which is impaired for Nutrients (Chlorophyll-a and TN) with Total Nitrogen listed as the parameter of concern.

Because of the interconnected nature of the existing waterbodies with varying impairment status', the point of comparison for each basin will be the immediate receiving waterbody. For example, the point of comparison for Basins 1 and 2 will be WBID 1488D – Lake Alfred, while the point of comparison for Basin 3 will be WBID 1488C1 – Gum Lake. The point of comparison for the remaining basins will be WBID 1329G Withlacoochee River. The analysis indicates that in the predevelopment condition, the contributing areas associated with this project generate 46 kg/year of Total Nitrogen (TN) and 6 kg/year of Total Phosphorous (TP) to WBID 1488D. In the post development condition, the contributing areas associated with this project generate 87 kg/year and 11 kg/year of TN and TP respectively, prior to removal. After removal, the project and its contributing areas will discharge 34 kg/year and 3 kg/year of TN and TP, respectively, to WBID 1488D indicating that the proposed ponds will provide a combined 61% removal

efficiency of TN and 77% removal efficiency of TP. **Table 5-5** below provides a **Summary of Nutrient Loading Results**. Supporting documentation for this analysis can be found in **Appendix F, Nutrient Loading Calculations**.

Table 5-9: Summary of Nutrient Loading Results

BASIN	EXISTING CONDITION		PROPOSED CONDITION		PROVIDED REMOVAL EFFICIENCY		FINAL POST DEVELOPMENT LOADING		OUTFALL
	TN (KG/YR)	TP (KG/YR)	TN (KG/YR)	TP (KG/YR)	TN (%)	TP (%)	TN (KG/YR)	TP (KG/YR)	
Basin 1	37.7	4.8	42.2	4.9	81	81	8.0	0.9	WBID 1488D
Basin 2	7.9	1.0	44.5	6.0	42	73	25.9	1.6	WBID 1488D
Total	45.6	5.9	86.7	10.9	61	77	33.9	2.5	WBID 1488D

### 5.6 Proposed Cross Drain Analysis

There are nine (9) cross drains within the project limits that allow onsite and offsite stormwater runoff conveyance beneath CR 577 and one (1) cross drain that traverses CR 557A. All cross drains will be replaced and extended to accommodate the proposed roadway improvements. CD-09 will be modified to accept discharge from roadside ditches via ditch bottom inlets.

All cross drains were analyzed in the watershed models using the Interconnected Channel and Pond Routing computer model (ICPR v3) by Streamline Technologies. SWFWMD criteria states that stages are not to increase more than 0.1-feet from the existing condition. Maximum stages do not increase by more than 0.1-feet for any of the cross drains as a result of the culvert extensions. Please refer to **Table 5-10: Summary of Proposed Cross Drain Analysis** for a summary of the results. The overtopping elevation of the road at each cross drain location was not overtopped by the 500-year storm and therefore the Overtopping Flood was not included in the summary table.

Table 5-10: Summary of Proposed Cross Drain Analysis

Structure	Station	Proposed Size	Upstream Node	Design Flood (50-yr/24-hr)			Base Flood (100-yr/24-hr)			Greatest Flood (500-yr/5-day)			Outfall			
				Proposed Discharge (cfs)	Stage (ft)		Proposed Discharge (cfs)	Stage (ft)		Proposed Discharge (cfs)	Stage (ft)					
					Existing (A)	Proposed (B)		B-A	Existing (A)		Proposed (B)	B-A		Existing (A)	Proposed (B)	B-A
CD-01	1274+65.00	1-18" RCP	NB2055	0.00	138.55	136.00	-2.55	0.00	138.57	136.00	-2.25	0.00	138.59	136.00	-2.59	Existing Wetland
CD-02	1292+80.00	2-36" RCP	NB2050	26.00	131.60	131.01	-0.59	30.28	131.75	131.42	-0.33	42.26	132.61	132.56	-0.05	Gum Lake
CD-03	1305+72.02	2-36" RCP	NB2020	15.02	131.01	131.01	0.00	20.18	131.43	131.42	-0.01	46.76	132.62	132.55	-0.07	Gum Lake
CD-04	1357+70.00	1-10' X 3' CBC	NO14220	110.96	133.11	133.12	0.01	116.29	133.23	133.23	0.00	151.22	133.94	133.94	0.00	Existing Wetland
CD-05	1362+35.00	24" RCP	NHH81172	6.25	133.90	133.06	-0.84	7.04	134.04	133.15	-0.89	5.09	133.75	132.91	-0.84	Existing Wetland
CD-06	1400+46.18	4-30" RCP	NHH8117	97.32	132.47	132.50	0.03	101.52	132.59	132.64	0.05	127.48	133.51	133.58	0.07	Existing Wetland
CD-07	1419+35.00	4-18" RCP	NHH8117	28.84	132.47	132.50	0.03	30.08	132.59	132.64	0.05	37.76	133.51	133.58	0.07	Existing Wetland
CD-08	1438+35.00	3-24" RCP	NHH8116	43.32	132.47	132.51	0.04	45.21	132.59	132.64	0.05	56.76	133.51	133.58	0.07	Existing Wetland
CD-09	1485+22.09	2-19" X 30" ERCP	NHH8181	10.68	131.89	131.89	0.00	10.64	131.94	131.94	0.00	10.10	132.07	132.04	-0.03	Existing Wetland
CD-10	218+08.47	1-43" X 68" ERCP	NHH81171	9.74	133.27	133.15	-0.12	11.29	133.38	133.25	-0.13	13.76	133.97	133.96	-0.01	Existing Wetland

### 5.7 Ditch Design

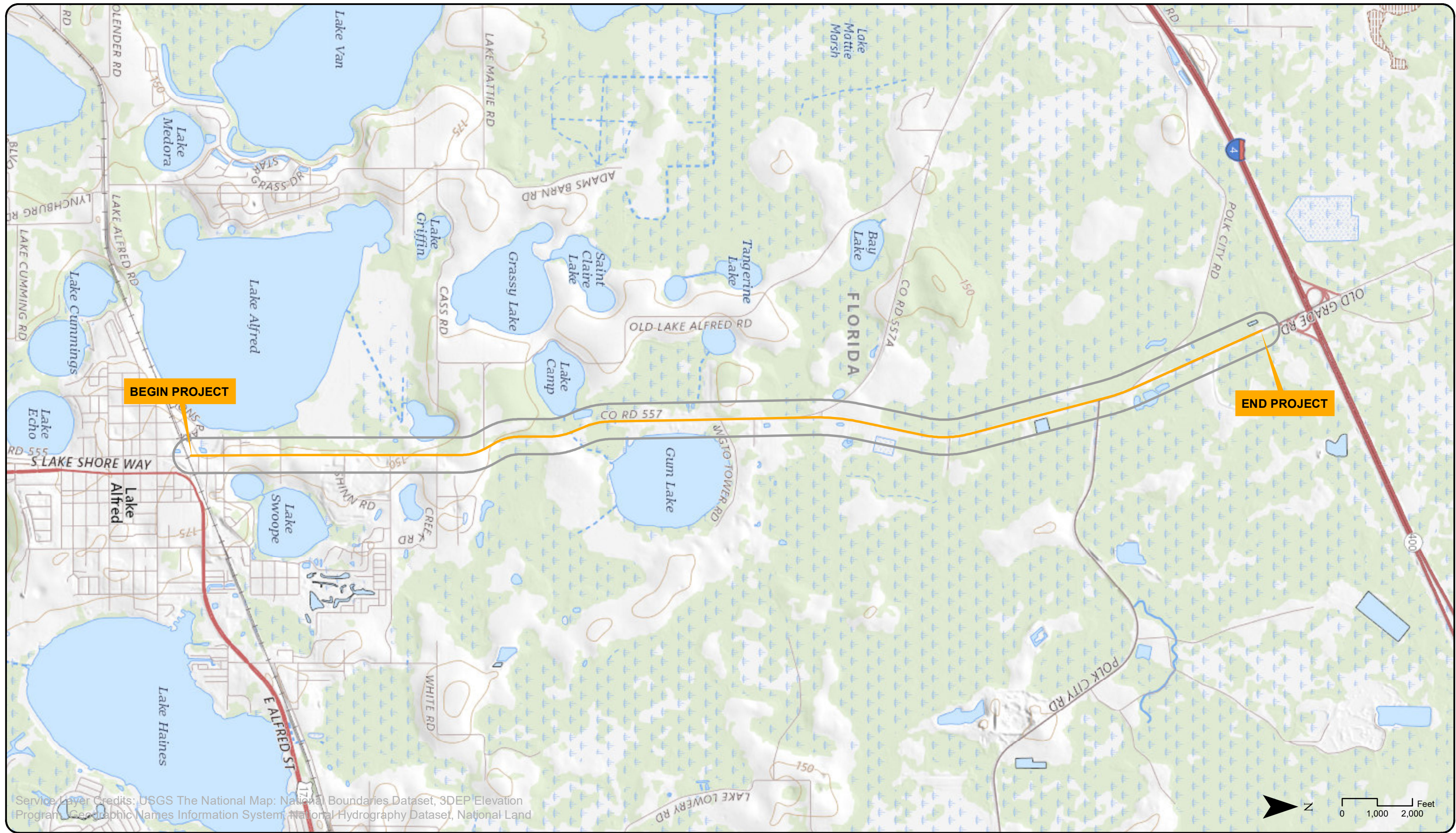
Offsite ditches are provided in some areas to collect stormwater runoff from adjacent properties which currently drain toward the roadway. With the widening of the roadway, the conveyance of this stormwater runoff will be obstructed. The offsite ditches will allow the stormwater runoff to continue to be conveyed toward an outfall. The offsite ditches were designed with a minimum of 0.05% longitudinal slope. FDOT criteria states that a minimum of 0.5 feet and 1.0 foot of freeboard should be maintained in ditches within a cut section and fill section, respectively. The **Ditch Design Calculations** are located in **Appendix H**.

### 5.8 Storm Sewer Design

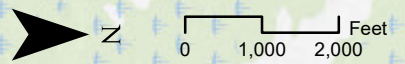
The hydraulic analysis for the storm sewer systems were based on the Rational Method using a 10-year design storm frequency. Hydraulic Analyses were performed using Geopak Drainage, A Bentley Civil – 2016 Edition for Microstation V8i. Since the hydraulic calculations considered minor energy losses, the hydraulic grade line (HGL) was allowed to stage up to the theoretical gutter elevation on curb inlets. This is consistent with the 2022 FDOT Drainage Design Guide. Design tailwater elevations for the storm sewer systems were established using the SWFWMD stormwater models and were determined to be the peak stage in the ponds for the 10-year/24-hour storm event.

Inlets were placed at locations which would limit the spread of water into the travels lanes resulting from a rainfall intensity of 4 inches per hour. The allowable spread for this project is 7.50-feet per the FDOT Drainage Manual Section 3.9.1 Spread Criteria. The **Storm Sewer Design and Spread Calculations** are located in **Appendix I**.

## APPENDIX A: Exhibits



Service Layer Credits: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land

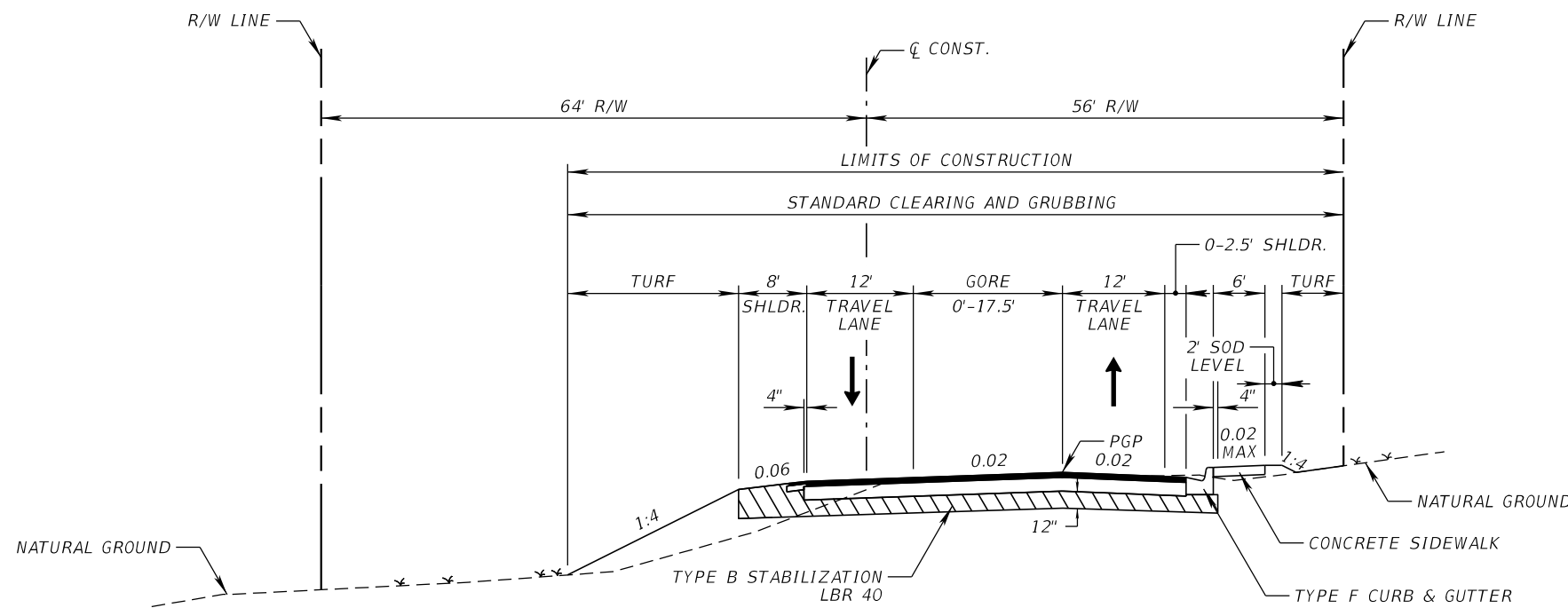


**CR 557 (Buena Vista Drive) Alignment Study**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**USGS QUADRANGLE MAP**  
**Exhibit 1**







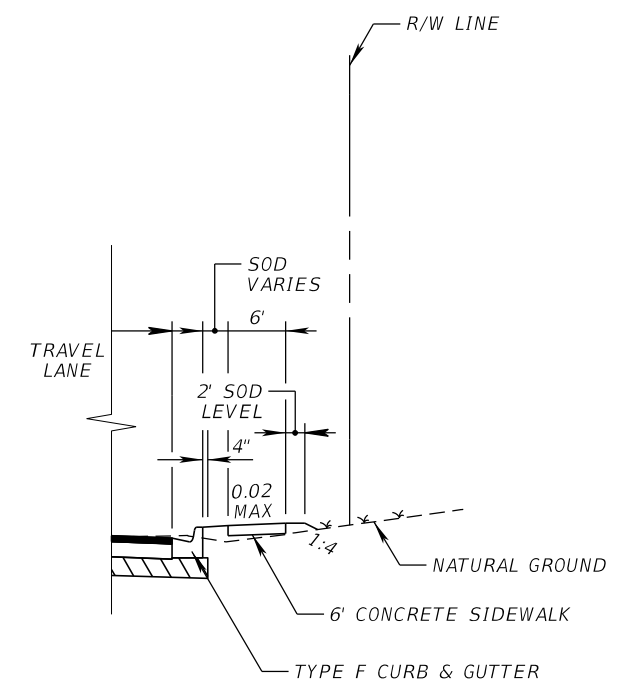
TYPICAL SECTION  
CR 557  
STA. 1188+00.00 TO STA. 1192+47.82

TRAVEL LANES

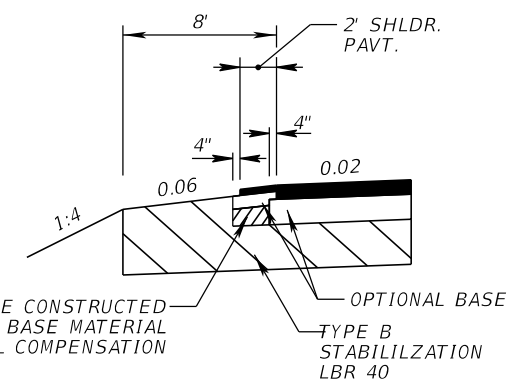
OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 9  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



TYPICAL SECTION  
CR 557  
STA. 1188+00.00 TO STA. 1190+50.78



SHOULDER PAVEMENT DETAIL

NOT TO SCALE

TRAFFIC DATA

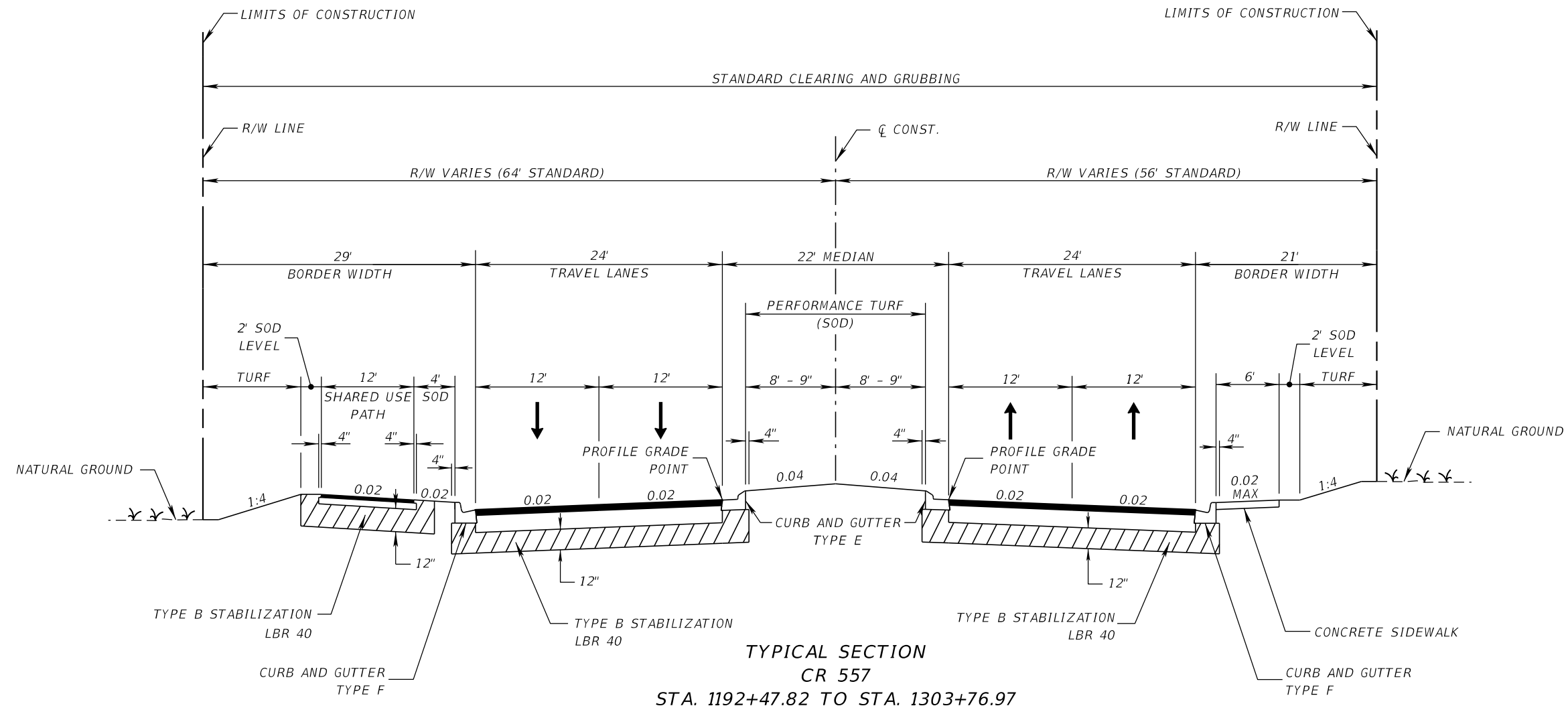
CURRENT YEAR = 2019 AADT = 14,900  
ESTIMATED OPENING YEAR = 2026 AADT = 16,500  
ESTIMATED DESIGN YEAR = 2046 AADT = 21,200  
K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
DESIGN HOUR T = 15.5%  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 40 MPH



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2A - Typical Section NO.1**





**TYPICAL SECTION  
CR 557  
STA. 1192+47.82 TO STA. 1303+76.97**

**TRAVEL LANES**

OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")

**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 14,900  
ESTIMATED OPENING YEAR = 2026 AADT = 16,500  
ESTIMATED DESIGN YEAR = 2046 AADT = 21,200  
K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
DESIGN HOUR T = 15.5%  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 40/45 MPH

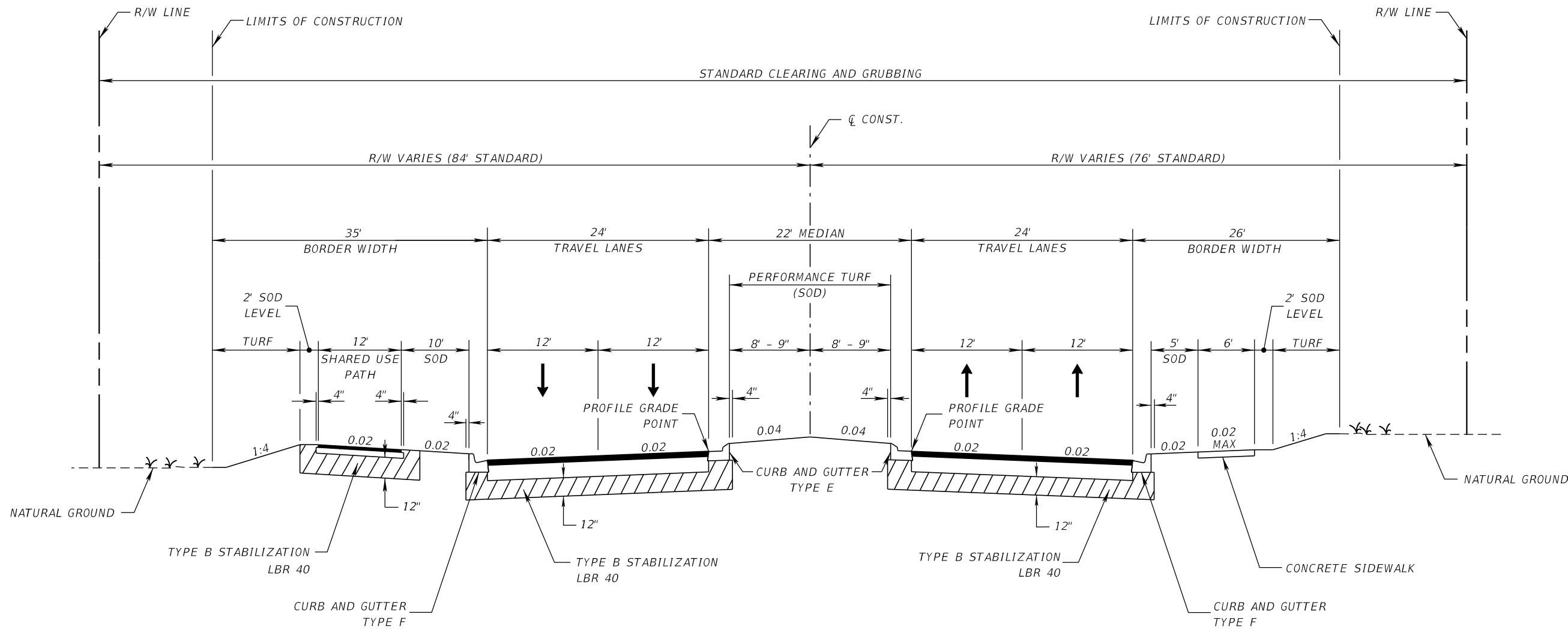
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2B - Typical Section NO.2**





**TYPICAL SECTION  
CR 557  
STA. 1303+76.97 TO STA. 1370+00.00**

**TRAVEL LANES**

OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")

**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 14,900  
ESTIMATED OPENING YEAR = 2026 AADT = 16,400  
ESTIMATED DESIGN YEAR = 2046 AADT = 20,800  
K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
DESIGN HOUR T = 15.5%  
DESIGN SPEED = 55 MPH  
POSTED SPEED = 55 MPH

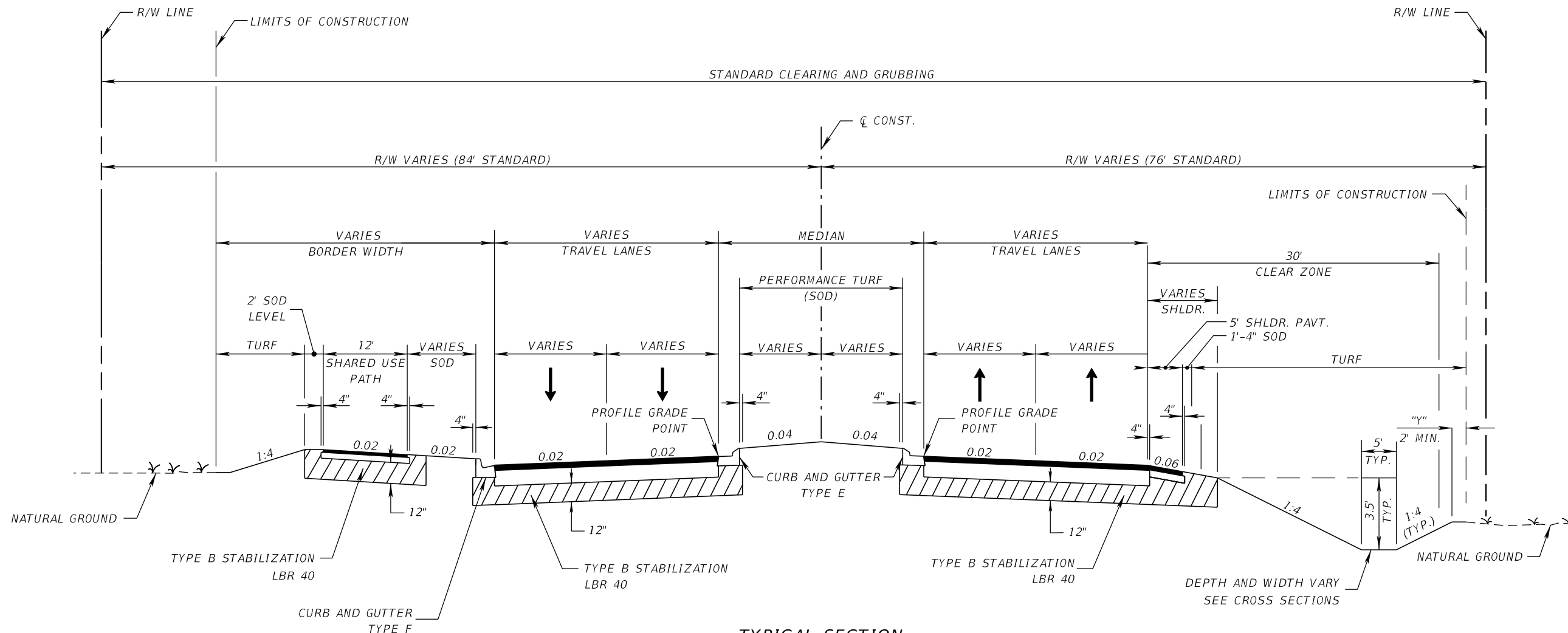
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2C - Typical Section NO.3**





**TYPICAL SECTION  
CR 557**  
 STA. 1370+00.00 TO STA. 1384+00.00  
 STA. 1438+00.00 TO STA. 1452+00.00

**TRAVEL LANES**  
 OPTIONAL BASE GROUP 9  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHOULDER PAVEMENT**  
 OPTIONAL BASE GROUP 1  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH**  
 OPTIONAL BASE GROUP 1  
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")

**TRAFFIC DATA**  
 CURRENT YEAR = 2019 AADT = 14,900  
 ESTIMATED OPENING YEAR = 2026 AADT = 16,400  
 ESTIMATED DESIGN YEAR = 2046 AADT = 20,800  
 K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
 DESIGN HOUR T = 15.5%  
 DESIGN SPEED = 55 MPH  
 POSTED SPEED = 55 MPH

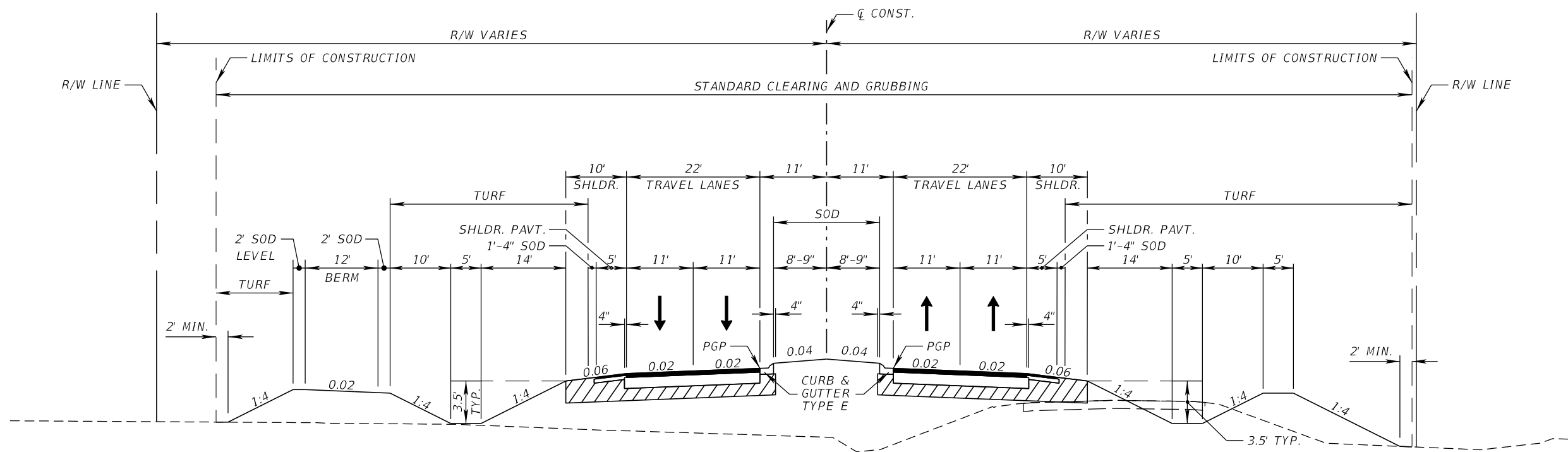
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**Exhibit 2D - Typical Section NO.4**





**TYPICAL SECTION  
CR 557  
STA. 1474+42.00 TO STA. 1488+49.72**

**TRAVEL LANES**

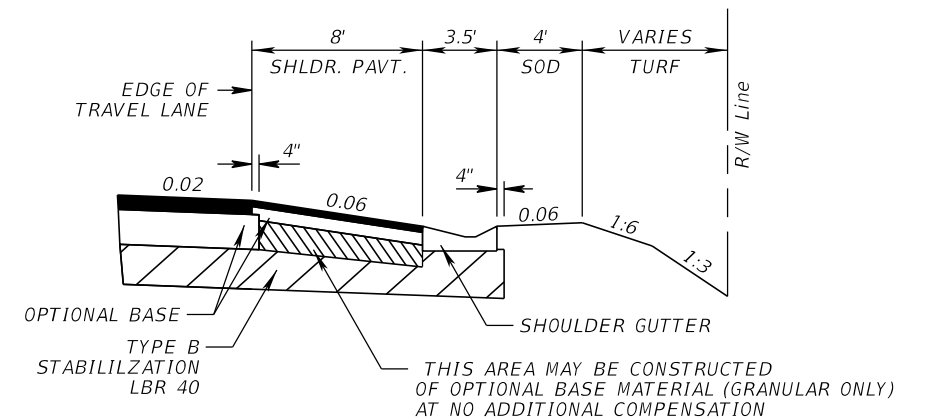
OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4")  
AND FRICTION COURSE FC-5 (TRAFFIC C) (¾")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")  
FRICTION COURSE FC-5 (TRAFFIC C) (¾")

**SHARED USE PATH**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 ½")



**SHOULDER PAVEMENT & SHOULDER GUTTER DETAIL  
STA. 1482+00.00 TO STA. 1488+49.72 (RT.)**

**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 17,700  
ESTIMATED OPENING YEAR = 2026 AADT = 19,800  
ESTIMATED DESIGN YEAR = 2046 AADT = 26,000  
K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
DESIGN HOUR T = 15.5%  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 45 MPH

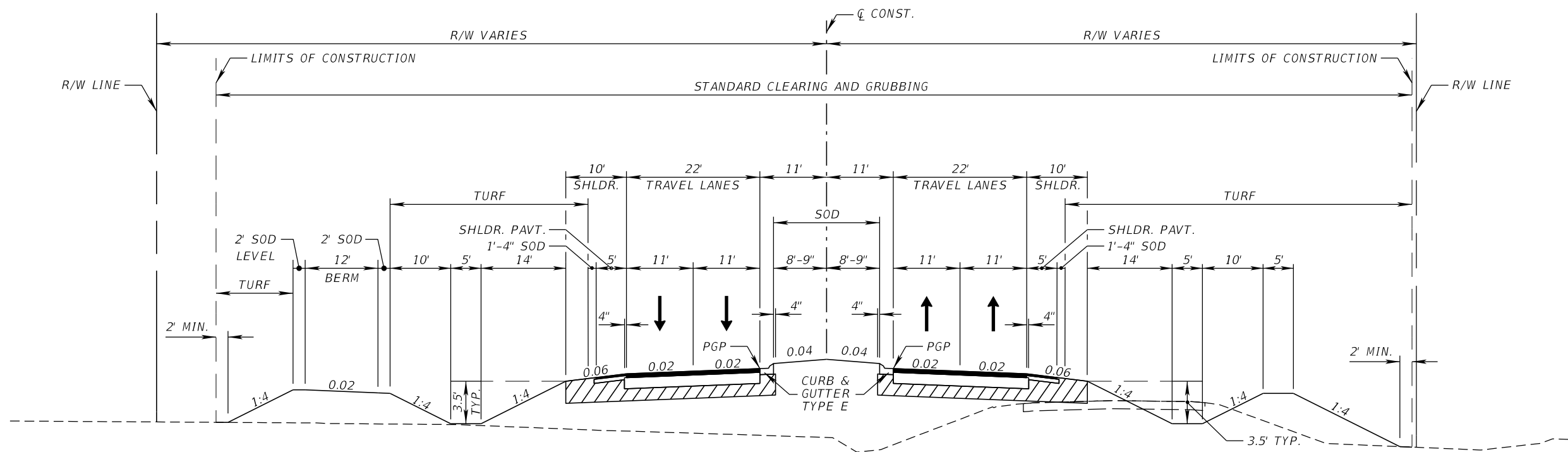
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**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2E - Typical Section NO.5**





**TYPICAL SECTION  
CR 557  
STA. 1474+42.00 TO STA. 1488+49.72**

**TRAVEL LANES**

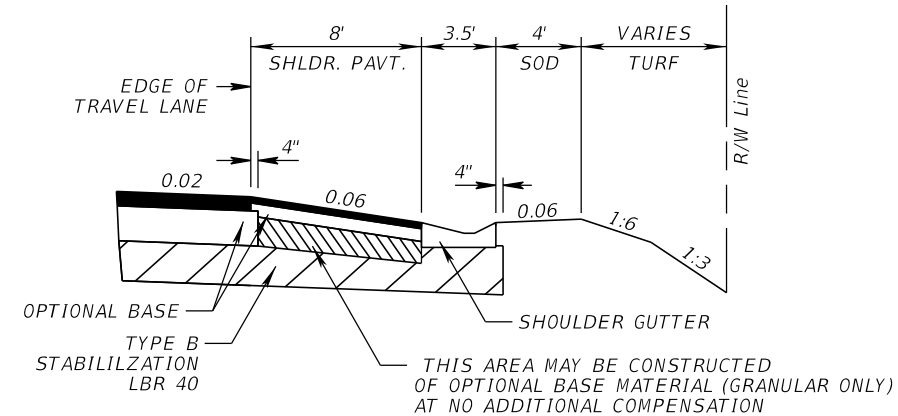
OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4")  
AND FRICTION COURSE FC-5 (TRAFFIC C) (3/4")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")  
FRICTION COURSE FC-5 (TRAFFIC C) (3/4")

**SHARED USE PATH**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")



**SHOULDER PAVEMENT & SHOULDER GUTTER DETAIL  
STA. 1482+00.00 TO STA. 1488+49.72 (RT.)**

**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 17,700  
ESTIMATED OPENING YEAR = 2026 AADT = 19,800  
ESTIMATED DESIGN YEAR = 2046 AADT = 26,000  
K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
DESIGN HOUR T = 15.5%  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 45 MPH

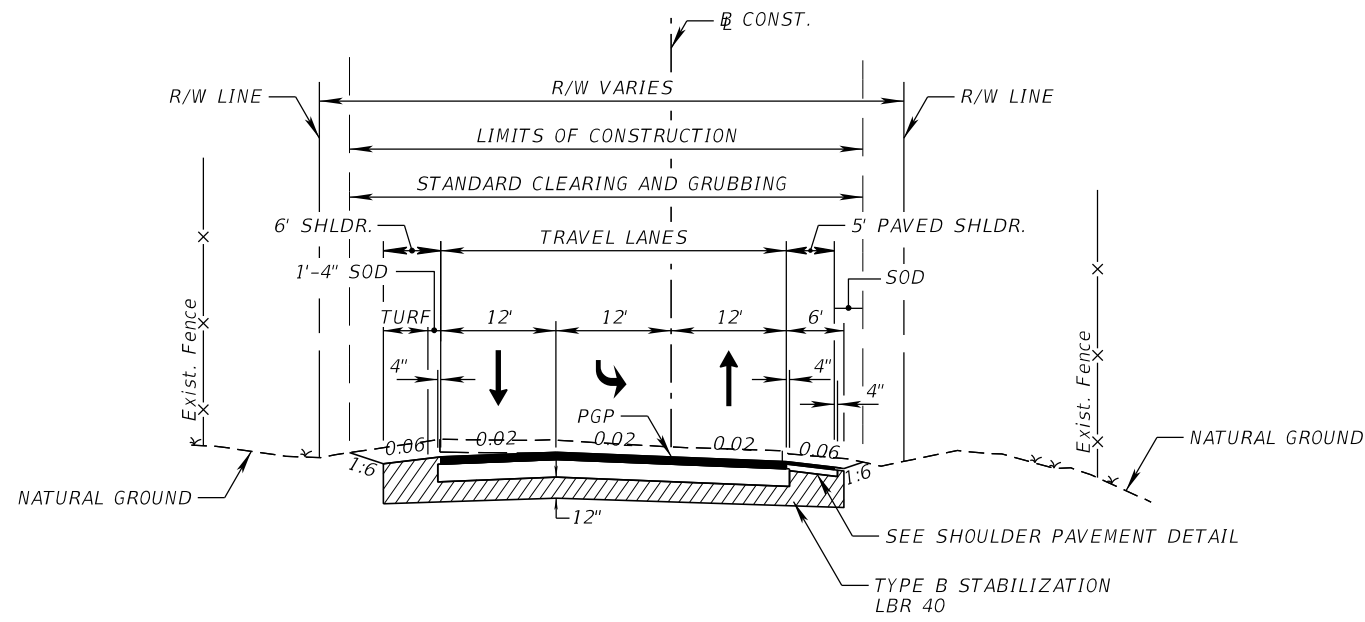
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**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2F - Typical Section NO.6**





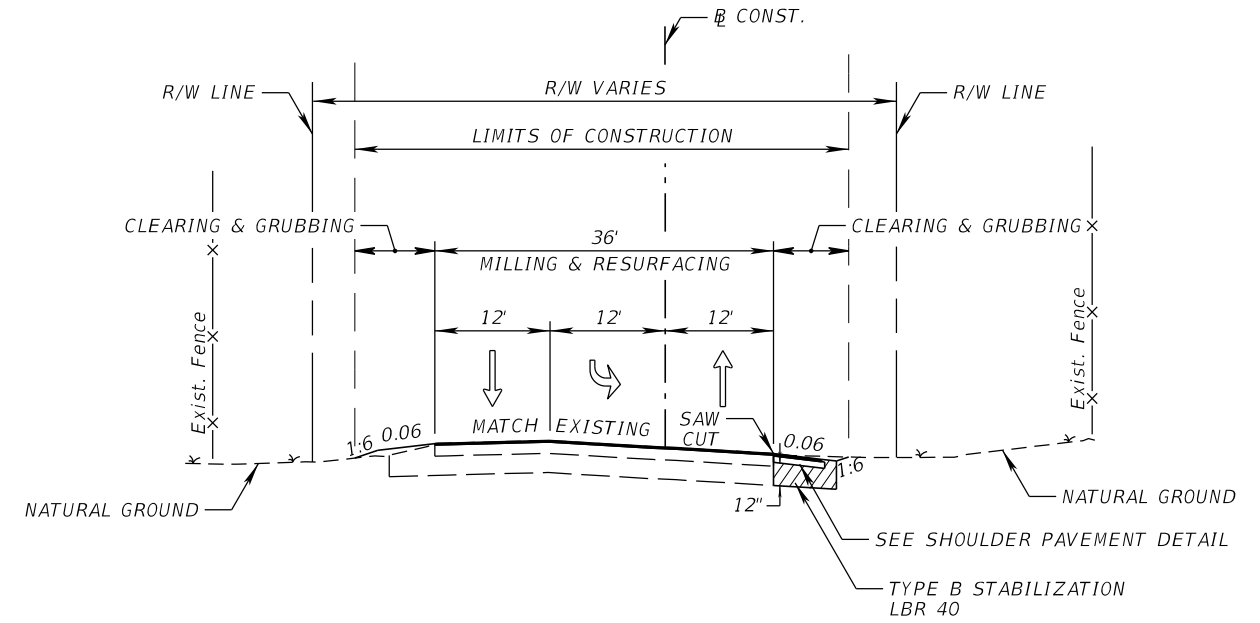
**TYPICAL SECTION  
EVENHOUSE ROAD  
STA. 50+35.32 TO STA. 54+00.00**

**TRAVEL LANES**

OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



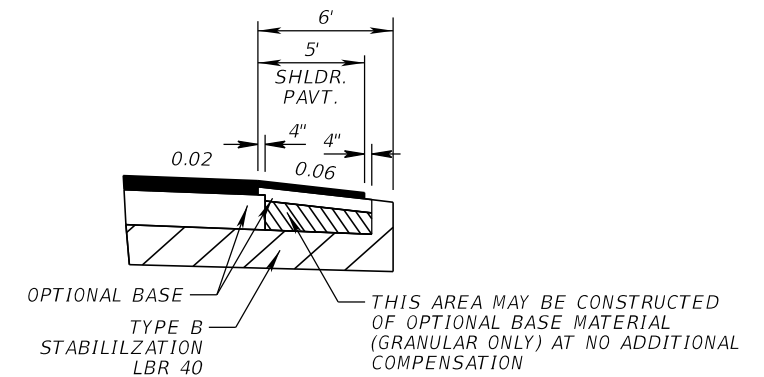
**TYPICAL SECTION  
EVENHOUSE ROAD  
STA. 54+00.00 TO STA. 55+20.00**

**TRAVEL LANES**

MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



**SHOULDER PAVEMENT DETAIL**

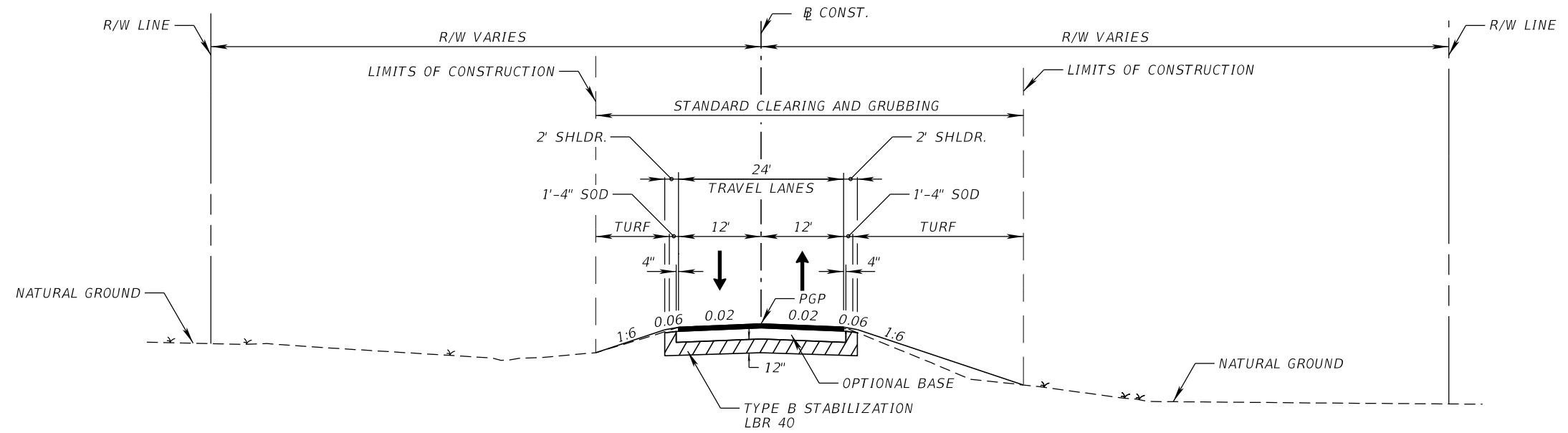
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

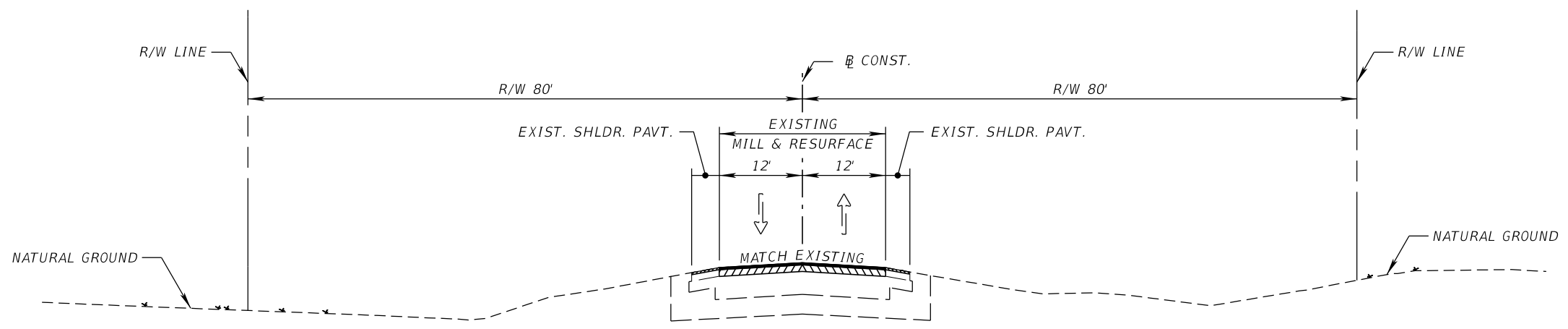
**Exhibit 2G - Typical Section NO.7**





**TYPICAL SECTION  
ACCESS ROAD**  
 STA. 200+16.72 TO STA. 201+40.87  
 STA. 210+71.08 TO STA. 211+82.00

**TRAVEL LANES**  
 OPTIONAL BASE GROUP 10  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")



**TYPICAL SECTION  
ACCESS ROAD**  
 STA. 201+40.87 TO STA. 210+71.08

**EXISTING TRAVEL LANES**  
 MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")

NOT TO SCALE

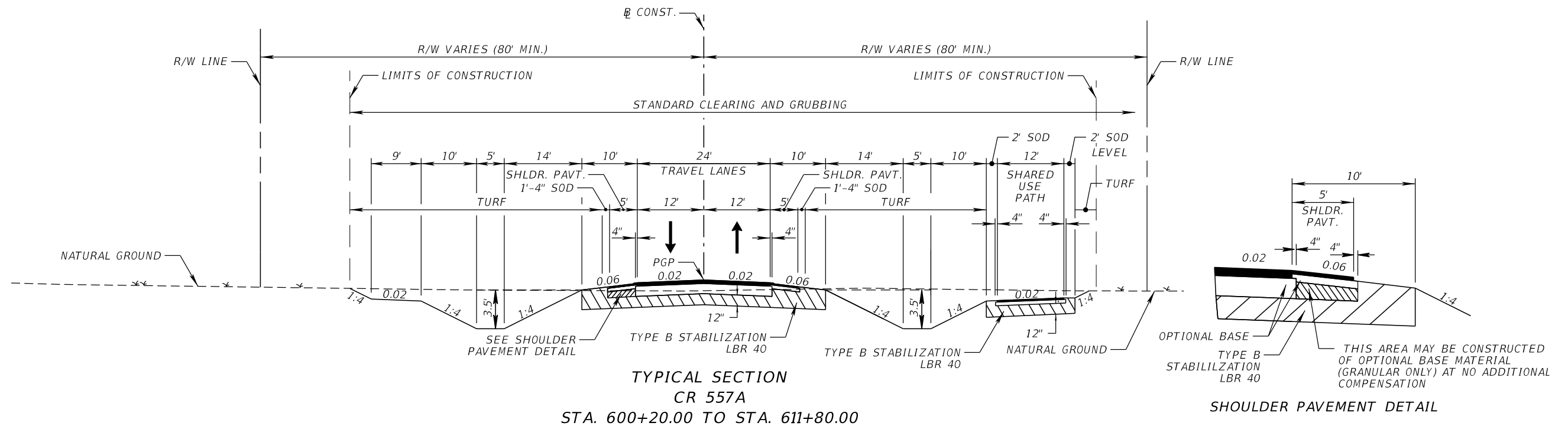


**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**Exhibit 2H - Typical Section NO.8**



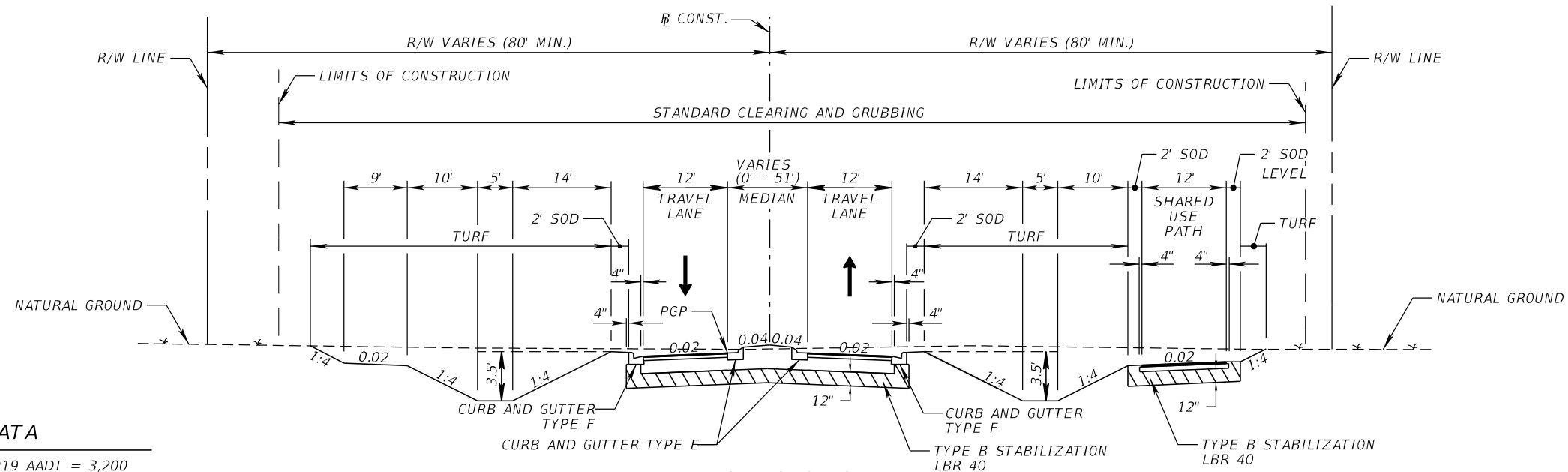




**SHOULDER PAVEMENT**  
OPTIONAL BASE GROUP 1  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**TRAVEL LANES**  
OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH**  
OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")



**TRAVEL LANES**  
OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 3,200  
ESTIMATED OPENING YEAR = 2026 AADT = 3,400  
ESTIMATED DESIGN YEAR = 2046 AADT = 4,000  
K = 9.5% D = 54.5% T = 12.8% (24 HOUR)  
DESIGN HOUR T = 7%  
DESIGN SPEED = 35 MPH

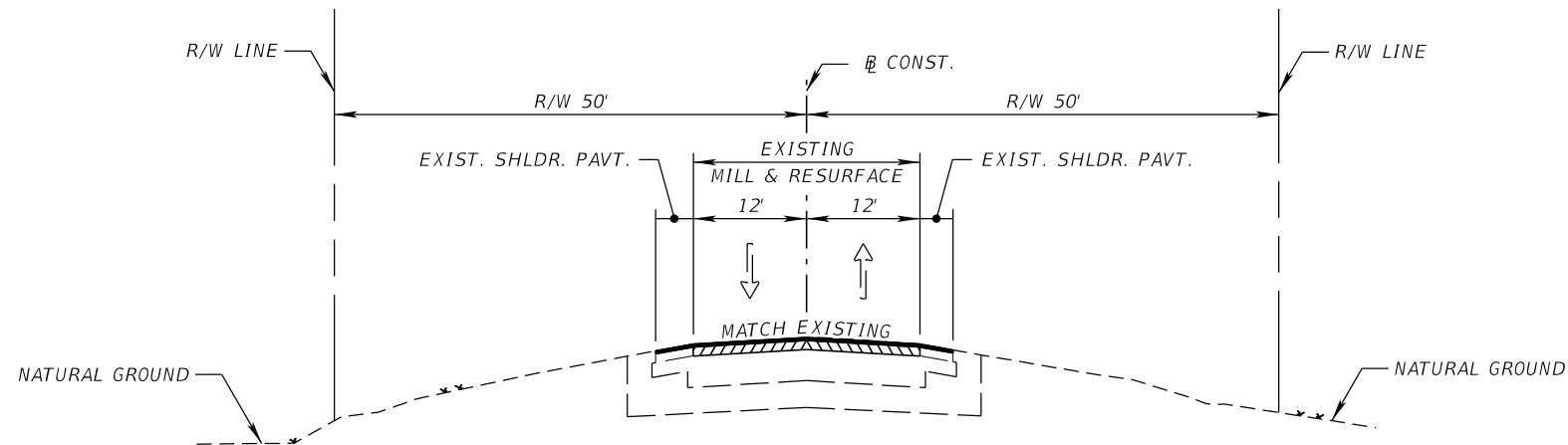
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2I - Typical Section NO.9**

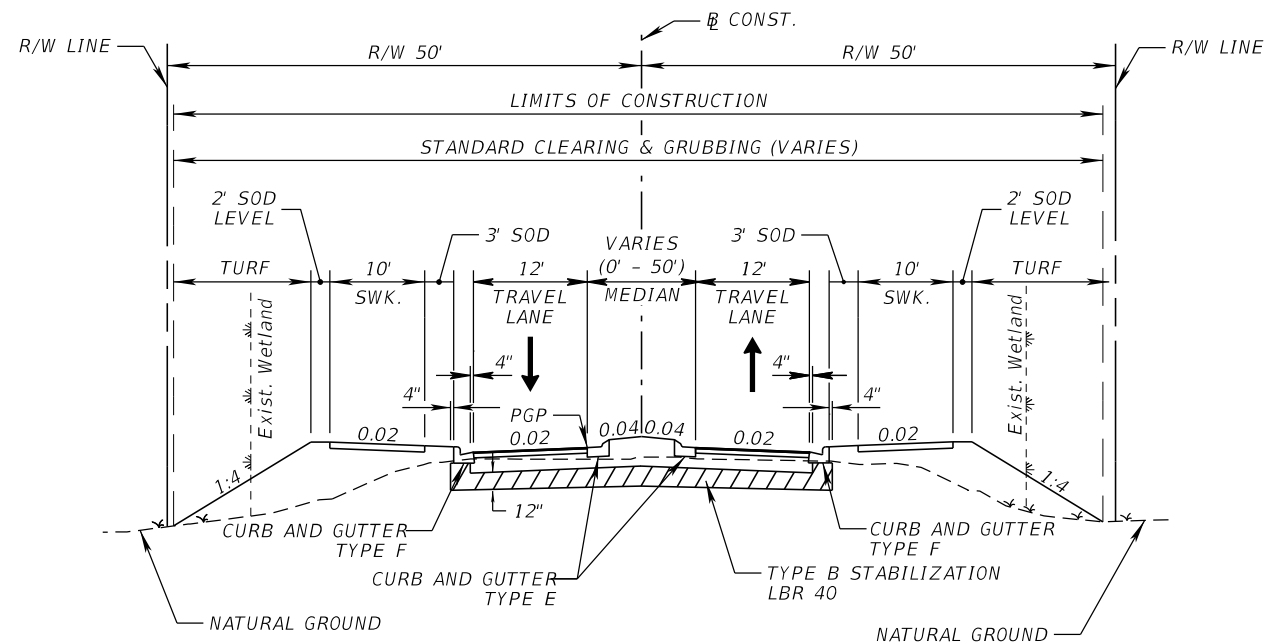




**TYPICAL SECTION  
POLK CITY ROAD  
STA. 703+43.91 TO STA. 703+85.00**

**EXISTING TRAVEL LANES  
AND SHOULDER PAVEMENT**

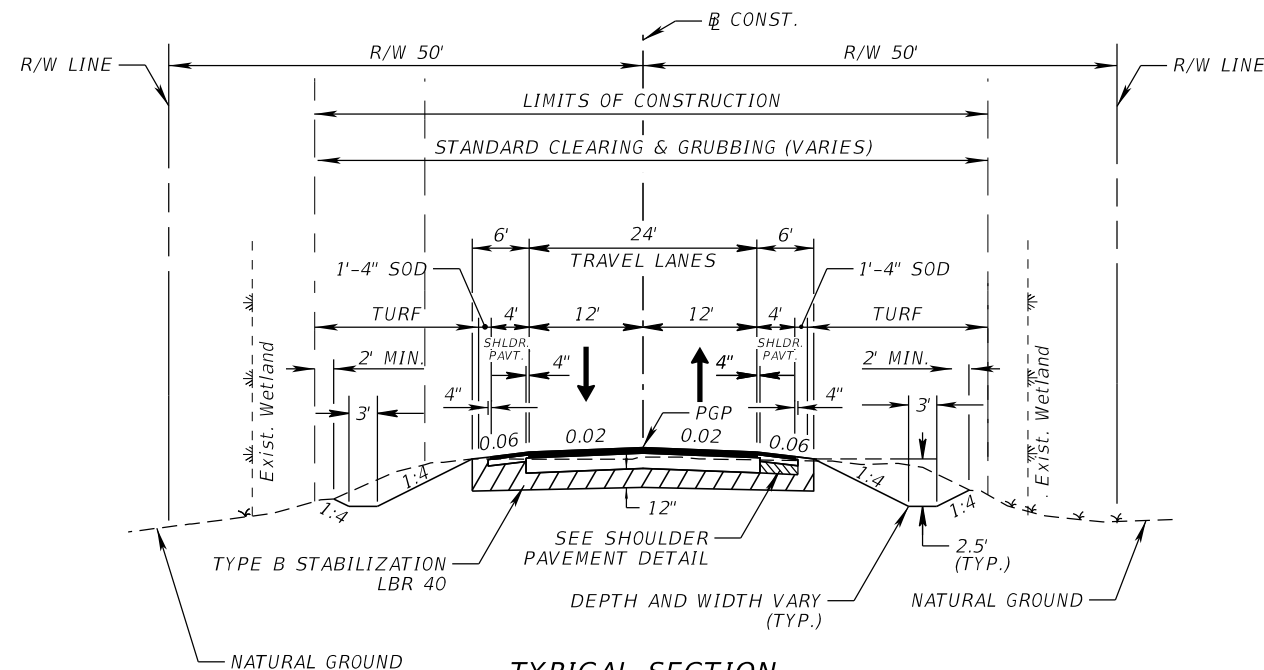
MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



**TYPICAL SECTION  
POLK CITY ROAD  
STA. 701+00.00 TO STA. 702+60.00**

**TRAVEL LANES**

OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



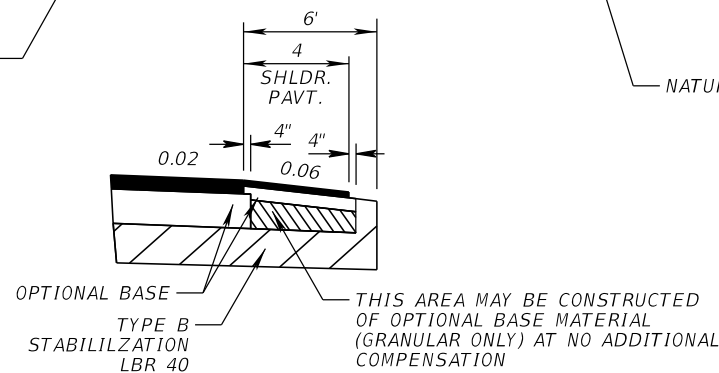
**TYPICAL SECTION  
POLK CITY ROAD  
STA. 702+60.00 TO STA. 703+43.91**

**TRAVEL LANES**

OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")



**SHOULDER PAVEMENT DETAIL**

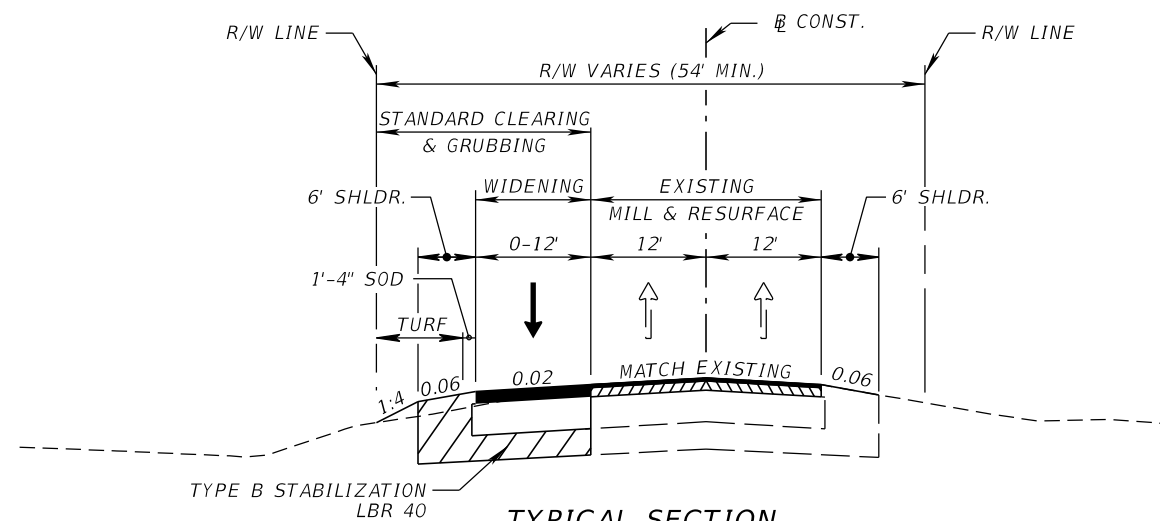
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2J - Typical Section NO.10**





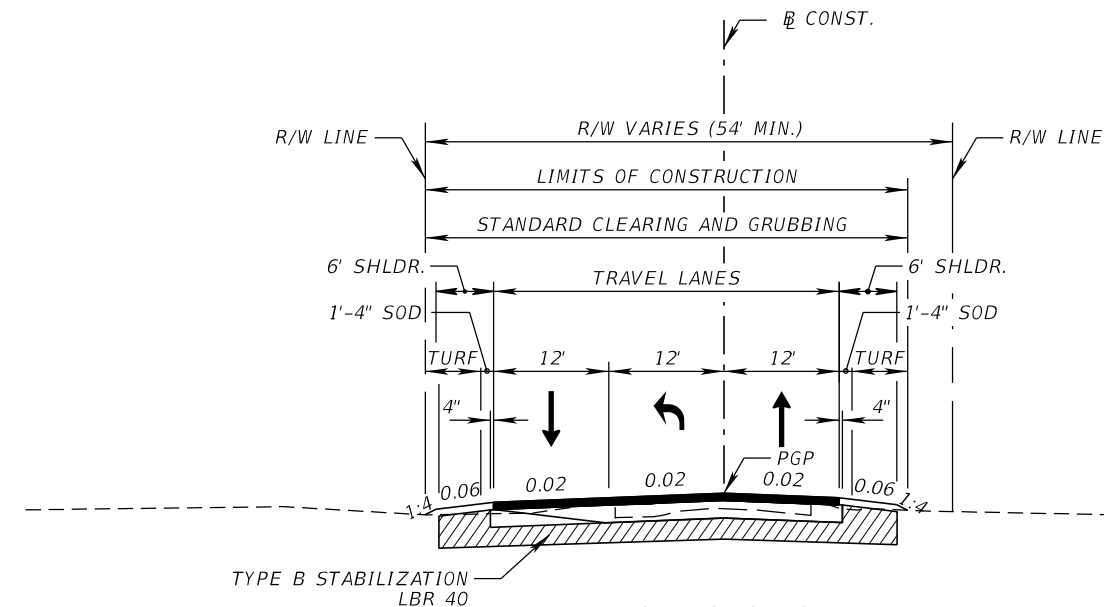
**TYPICAL SECTION  
OLD POLK CITY ROAD  
STA. 495+20.00 TO STA. 497+00.00**

**WIDENING**

OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**EXISTING TRAVEL LANES**

MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



**TYPICAL SECTION  
OLD POLK CITY ROAD  
STA. 497+00.00 TO STA. 499+51.55**

**TRAVEL LANES**

OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**TRAFFIC DATA**

CURRENT YEAR = 2018 AADT = 6800  
ESTIMATED OPENING YEAR = 2020 AADT = 7600  
ESTIMATED DESIGN YEAR = 2040 AADT = 12000  
K = 6% D = 55% T = 2% (24 HOUR)  
DESIGN HOUR T = 1%  
DESIGN SPEED = 30 MPH  
POSTED SPEED = 30 MPH

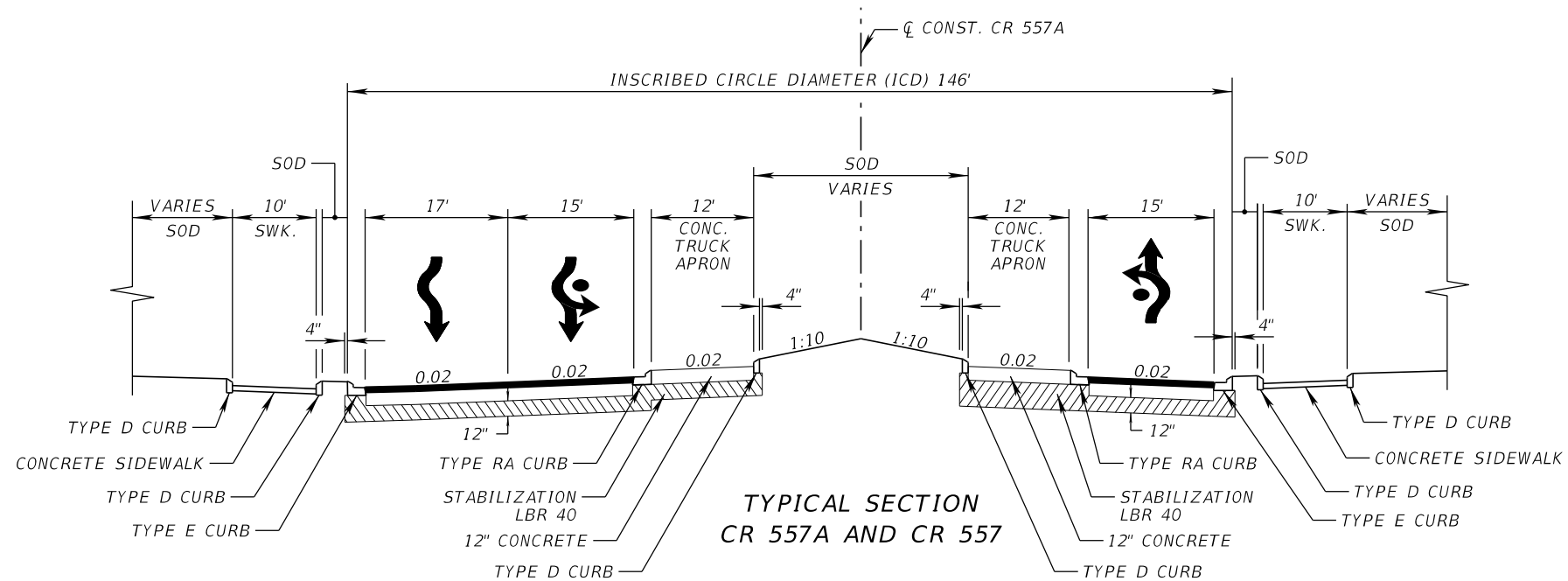
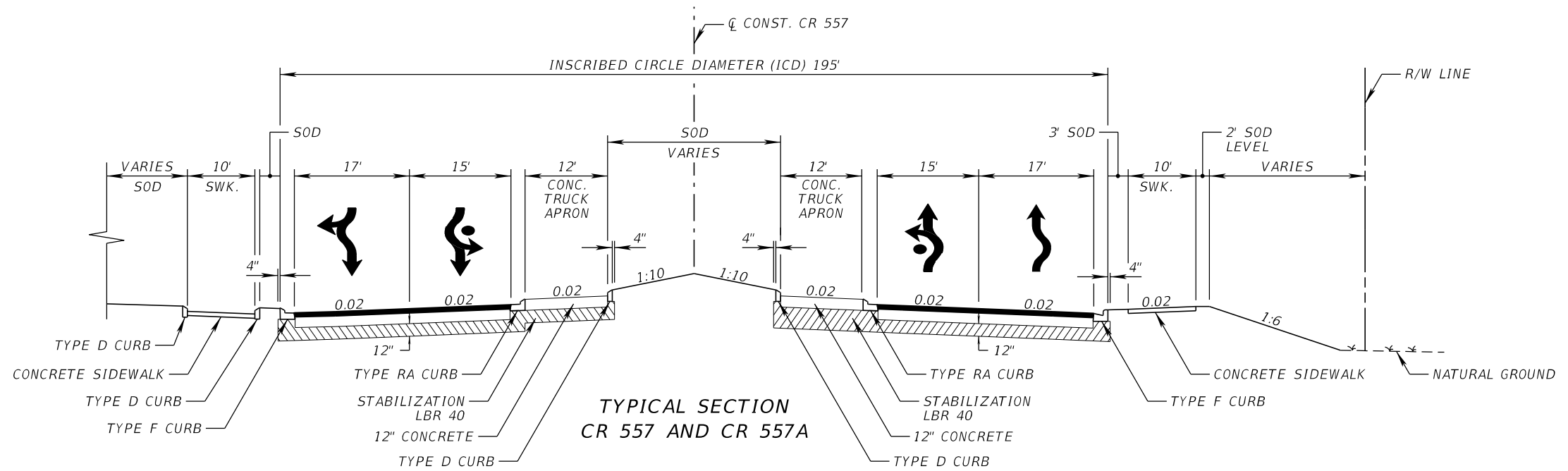
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
from North of the CSX Railroad to South of the I-4 Interchange  
Polk County, Florida  
Contract: 18-73

**Exhibit 2K - Typical Section NO.11**





**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 14,900  
 ESTIMATED OPENING YEAR = 2026 AADT = 16,400  
 ESTIMATED DESIGN YEAR = 2046 AADT = 20,800  
 K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
 DESIGN HOUR T = 15.5%  
 DESIGN SPEED = 30 MPH  
 POSTED SPEED = 25 MPH

**CIRCULATORY ROADWAY**

OPTIONAL BASE GROUP 9  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

NOTE: TRUCK APRON CONCRETE PAVEMENT IS TO BE COLOR (AMS-STD-595-21105 RED)

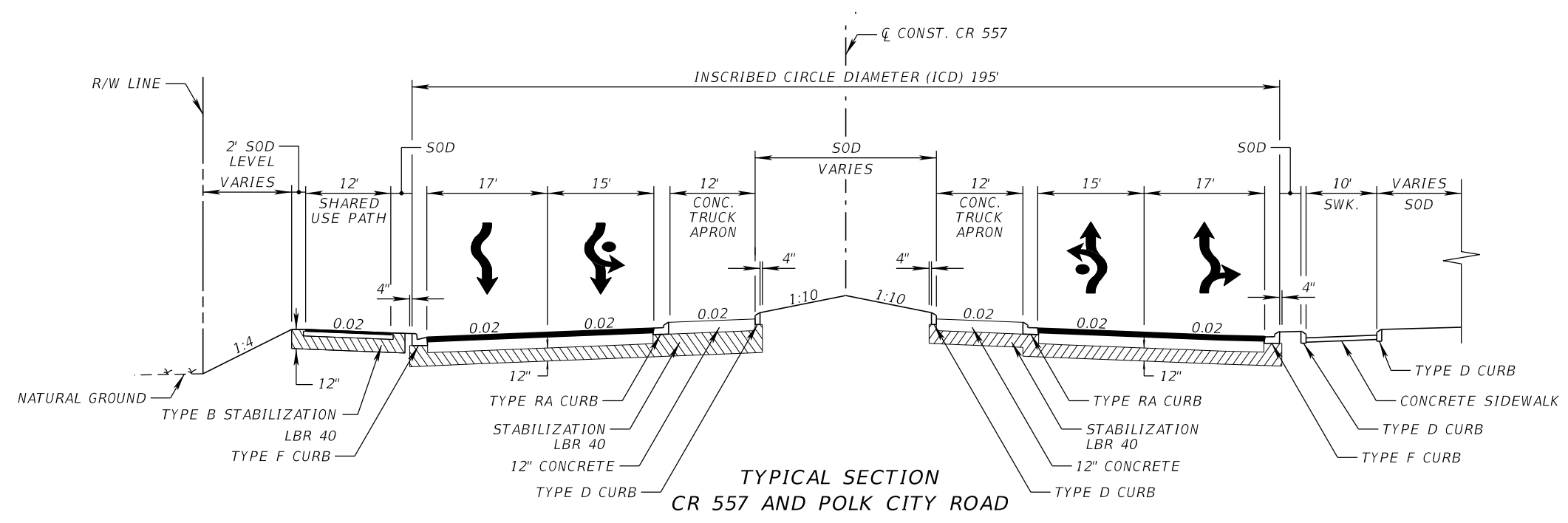
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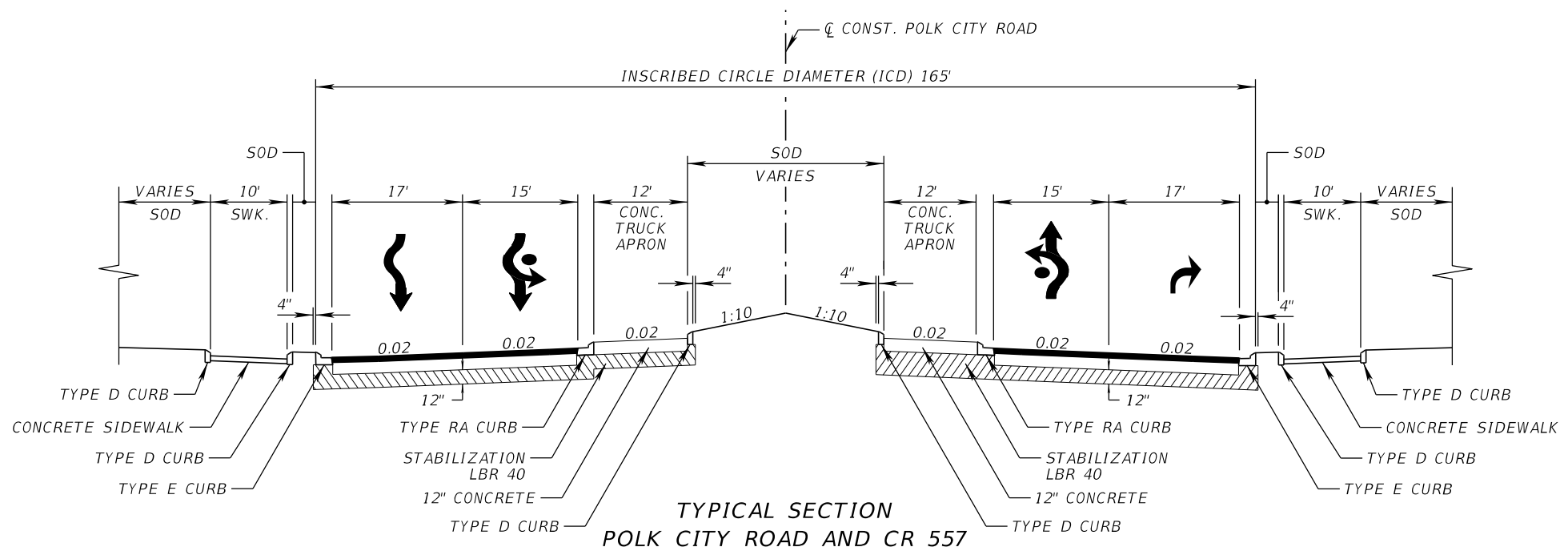
**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**Exhibit 2L - Typical Section NO.12**





TYPICAL SECTION  
CR 557 AND POLK CITY ROAD



TYPICAL SECTION  
POLK CITY ROAD AND CR 557

**TRAFFIC DATA**

CURRENT YEAR = 2019 AADT = 17,700  
 ESTIMATED OPENING YEAR = 2026 AADT = 19,800  
 ESTIMATED DESIGN YEAR = 2046 AADT = 26,000  
 K = 9.5% D = 54.5% T = 13.6% (24 HOUR)  
 DESIGN HOUR T = 15.5%  
 DESIGN SPEED = 30 MPH  
 POSTED SPEED = 25 MPH

**CIRCULATORY ROADWAY**

OPTIONAL BASE GROUP 9  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH**

OPTIONAL BASE GROUP 1  
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")

NOTE: TRUCK APRON CONCRETE PAVEMENT IS TO BE COLOR (AMS-STD-595-21105 RED)

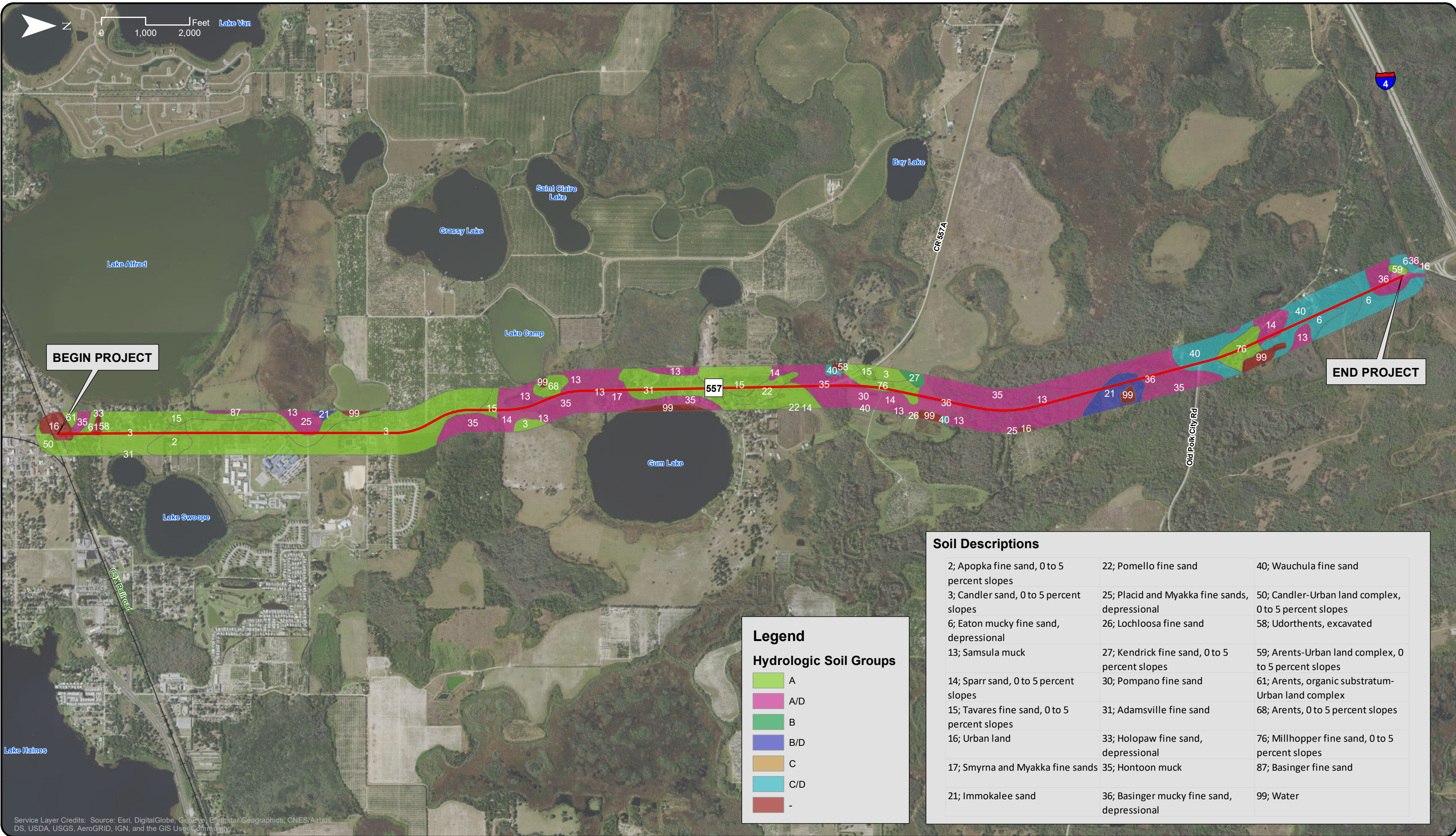
NOT TO SCALE



**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**Exhibit 2M - Typical Section NO.13**





**BEGIN PROJECT**

**END PROJECT**

**Legend**

**Hydrologic Soil Groups**

- A
- A/D
- B
- B/D
- C
- C/D
- 

**Soil Descriptions**

2; Apopka fine sand, 0 to 5 percent slopes	22; Pomello fine sand	40; Wauchula fine sand
3; Candler sand, 0 to 5 percent slopes	25; Placid and Myakka fine sands, depressional	50; Candler-Urban land complex, 0 to 5 percent slopes
6; Eaton mucky fine sand, depressional	26; Lochloosa fine sand	58; Udorthents, excavated
13; Samsula muck	27; Kendrick fine sand, 0 to 5 percent slopes	59; Arents-Urban land complex, 0 to 5 percent slopes
14; Sparr sand, 0 to 5 percent slopes	30; Pompano fine sand	61; Arents, organic substratum-Urban land complex
15; Tavares fine sand, 0 to 5 percent slopes	31; Adamsville fine sand	68; Arents, 0 to 5 percent slopes
16; Urban land	33; Holopaw fine sand, depressional	76; Millhopper fine sand, 0 to 5 percent slopes
17; Smyrna and Myakka fine sands	35; Hontoon muck	87; Basinger fine sand
21; Immokalee sand	36; Basinger mucky fine sand, depressional	99; Water

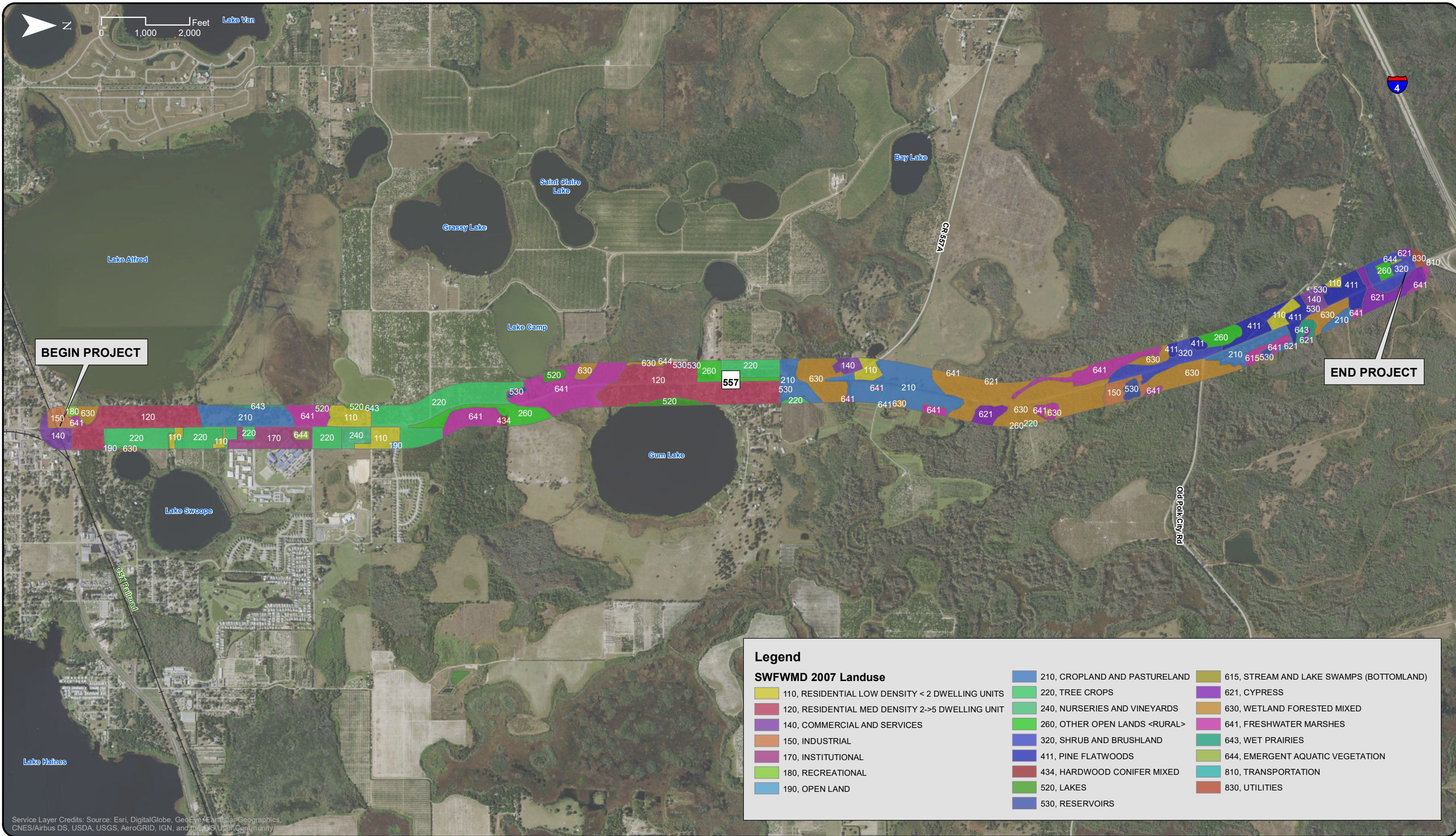
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**CR 557 (Buena Vista Drive) Alignment Study**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**USDA NRCS SOILS MAP**  
**Exhibit 3**





**BEGIN PROJECT**

**END PROJECT**

Legend		
SWFWMD 2007 Landuse		
110, RESIDENTIAL LOW DENSITY < 2 DWELLING UNITS	210, CROPLAND AND PASTURELAND	615, STREAM AND LAKE SWAMPS (BOTTOMLAND)
120, RESIDENTIAL MED DENSITY 2->5 DWELLING UNIT	220, TREE CROPS	621, CYPRESS
140, COMMERCIAL AND SERVICES	240, NURSERIES AND VINEYARDS	630, WETLAND FORESTED MIXED
150, INDUSTRIAL	260, OTHER OPEN LANDS <RURAL>	641, FRESHWATER MARSHES
170, INSTITUTIONAL	320, SHRUB AND BRUSHLAND	643, WET PRAIRIES
180, RECREATIONAL	411, PINE FLATWOODS	644, EMERGENT AQUATIC VEGETATION
190, OPEN LAND	434, HARDWOOD CONIFER MIXED	810, TRANSPORTATION
	520, LAKES	830, UTILITIES
	530, RESERVOIRS	

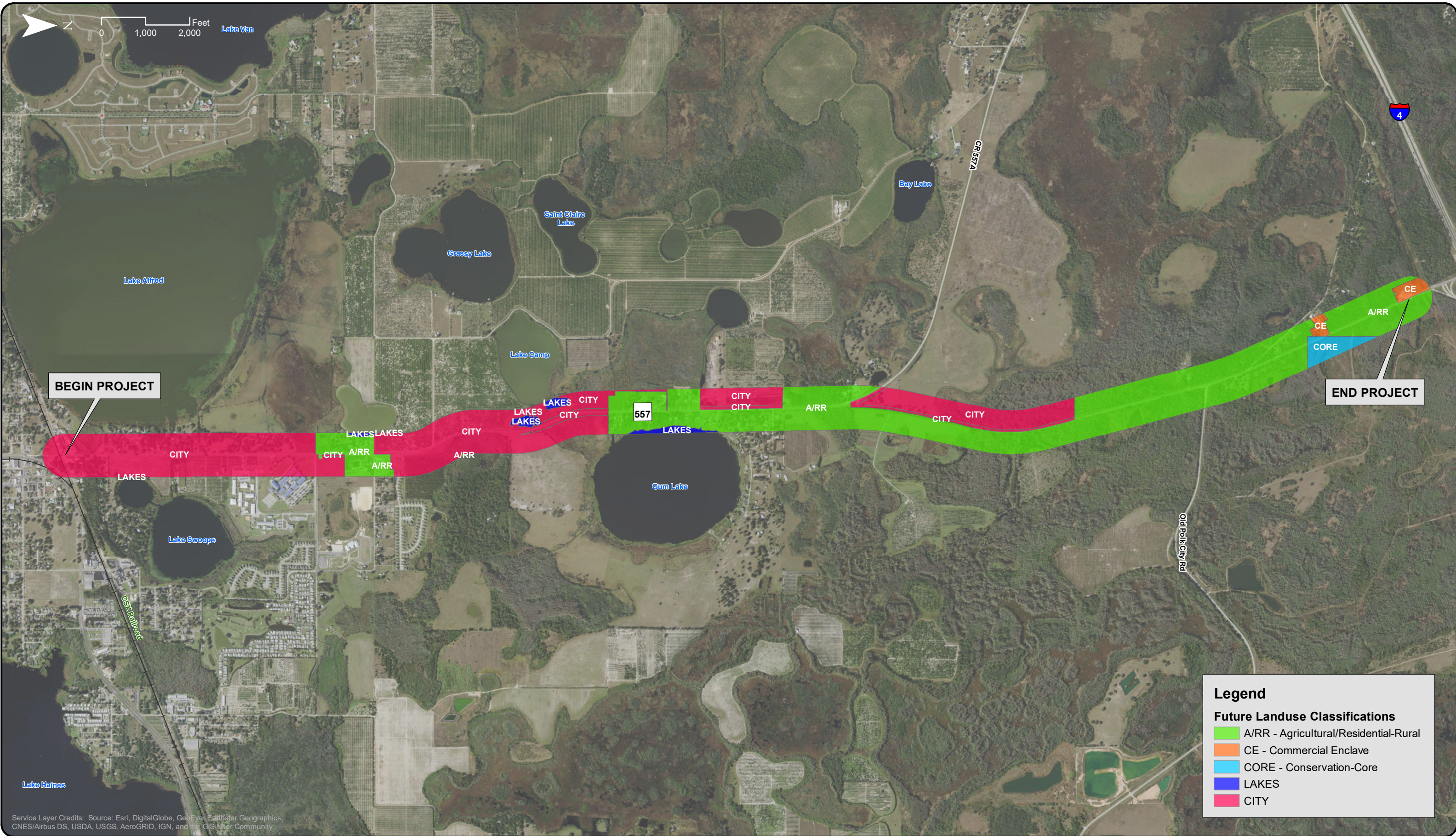
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**CR 557 (Buena Vista Drive) Alignment Study**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**SWFWMD 2007 EXISTING LANDUSE MAP**  
 Exhibit 4





Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**CR 557 (Buena Vista Drive) Alignment Study**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**POLK COUNTY 2030 FUTURE LANDUSE MAP**  
**Exhibit 5**







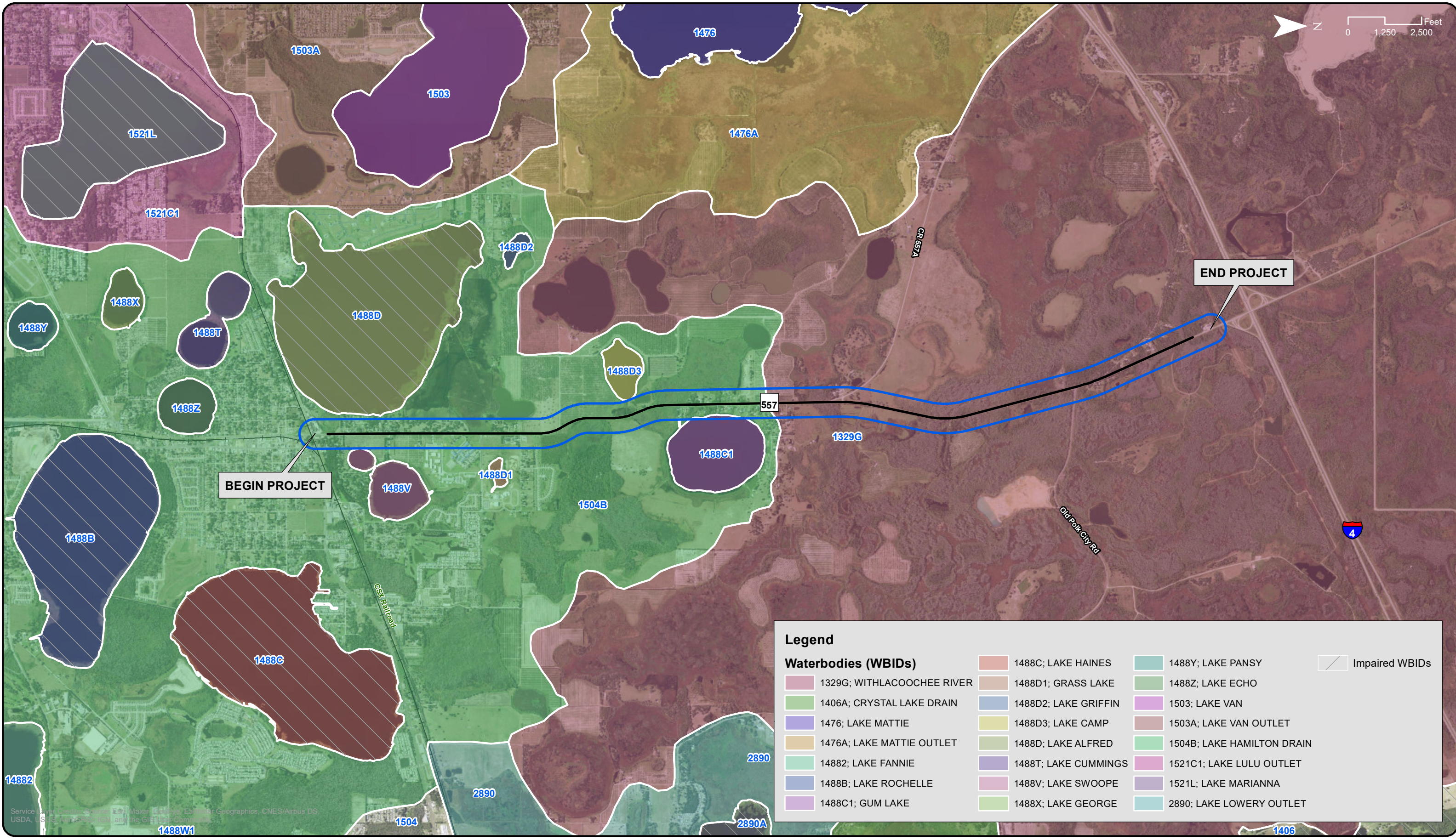
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, etc. User Contributed



**CR 557 (Buena Vista Drive) Alignment Study**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**FEMA FLOODPLAINS MAP**  
 Exhibit 6

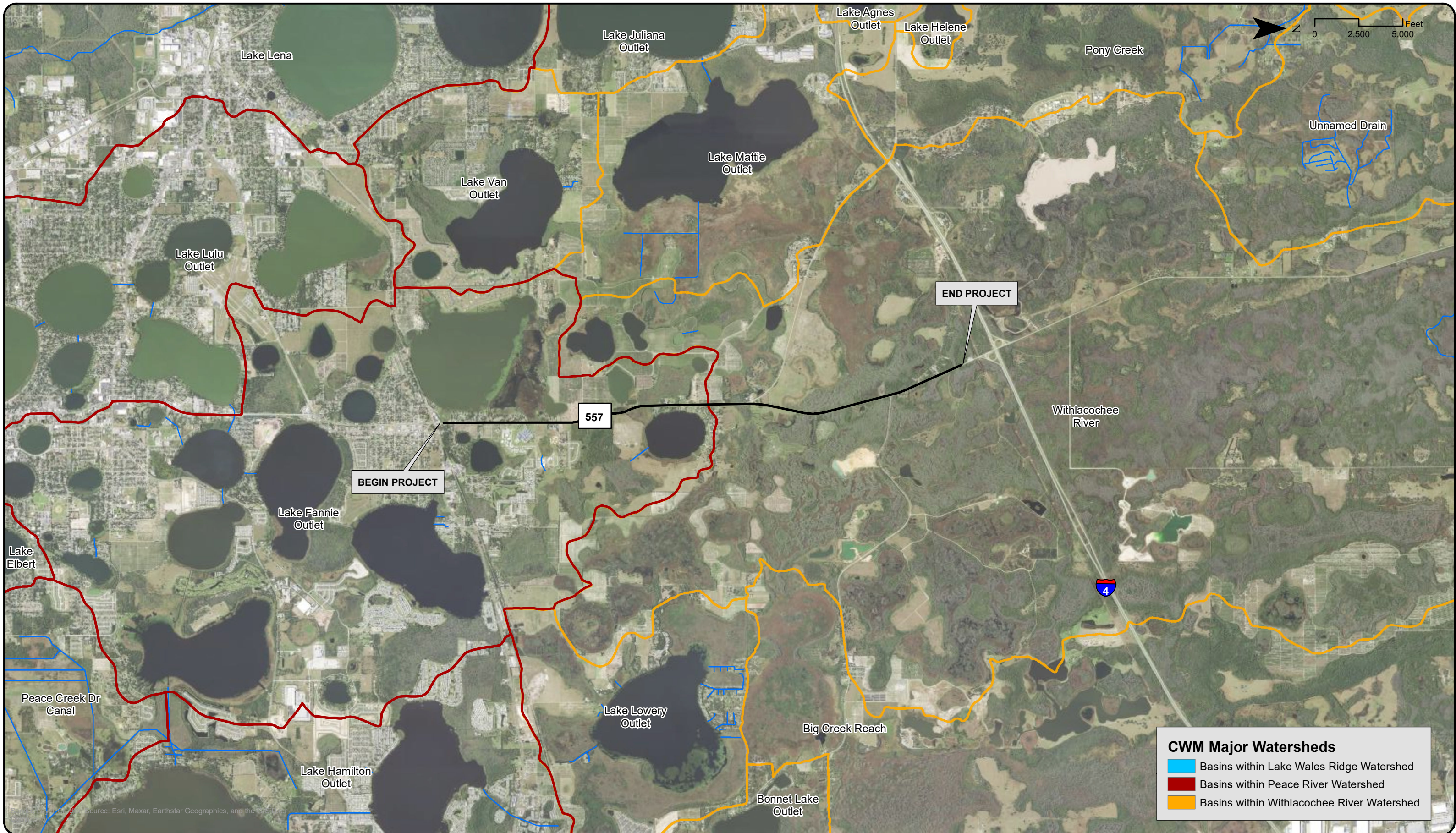




**CR 557 (Buan Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**FDEP WBIDS AND VERIFIED IMPAIRMENTS MAP**  
 Exhibit 7





**CR 557 (Buena Vista Drive) Alignment Study**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**SWFWMD DRAINAGE BASINS MAP**  
 Exhibit 8



## APPENDIX B: Nodal Network Maps

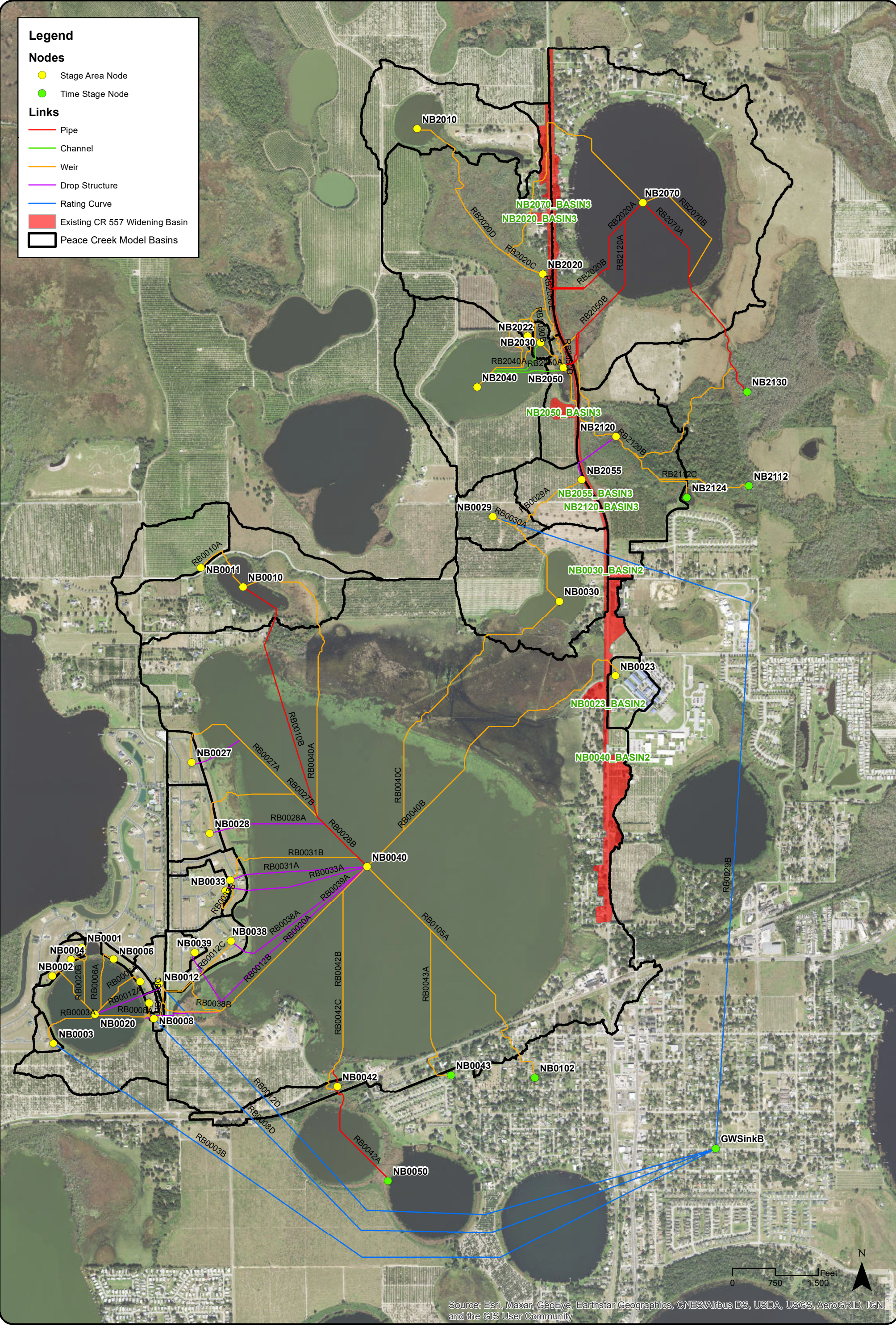
**Legend**

**Nodes**

- Stage Area Node
- Time Stage Node

**Links**

- Pipe
- Channel
- Weir
- Drop Structure
- Rating Curve
- Existing CR 557 Widening Basin
- Peace Creek Model Basins



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**Existing Nodal Network - Peace Creek**  
 CR 557 Widening  
 Polk County, Florida  
 Contract: 18-73



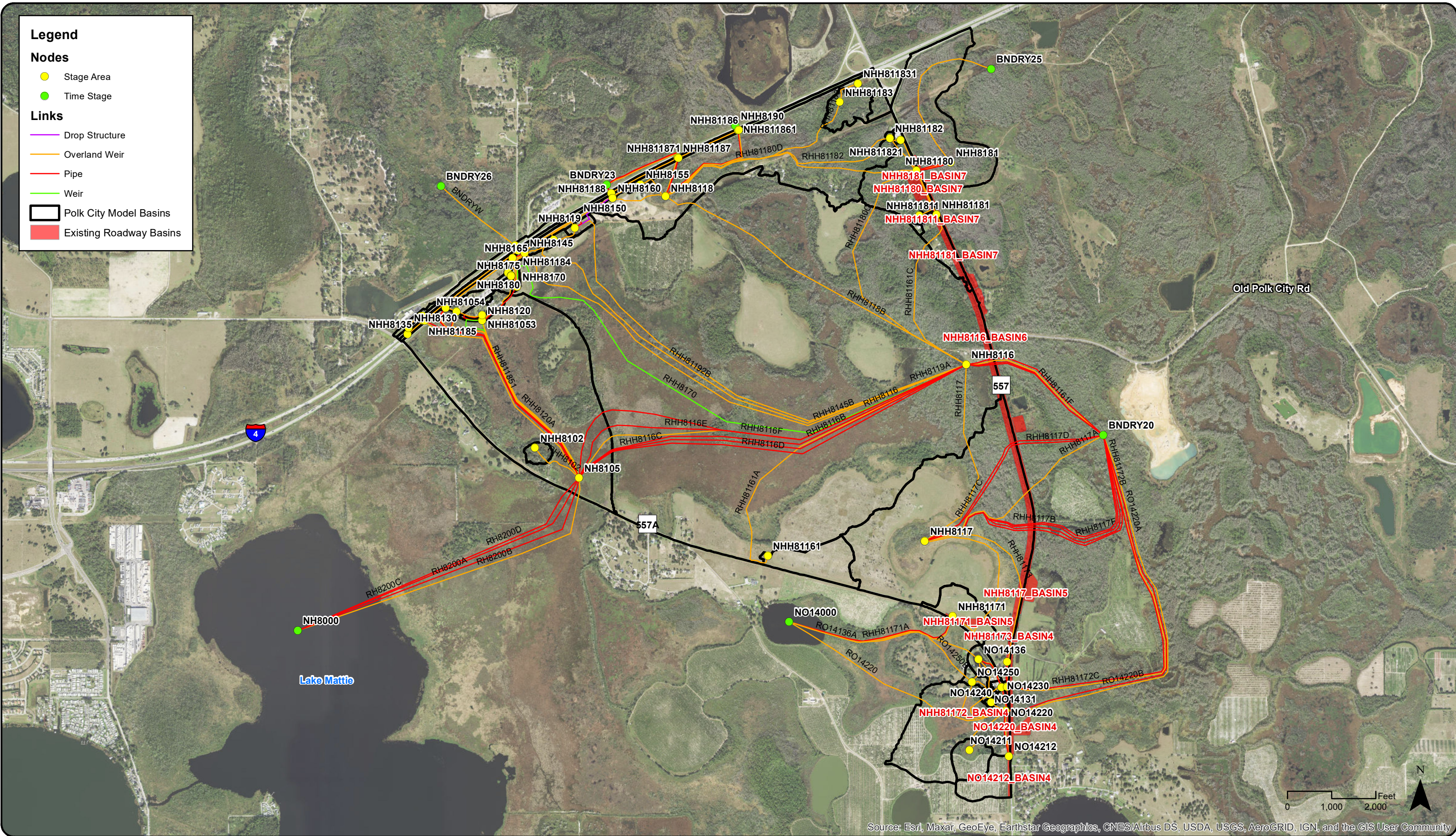
**Legend**

**Nodes**

- Stage Area
- Time Stage

**Links**

- Drop Structure
- Overland Weir
- Pipe
- Weir
- Polk City Model Basins
- Existing Roadway Basins



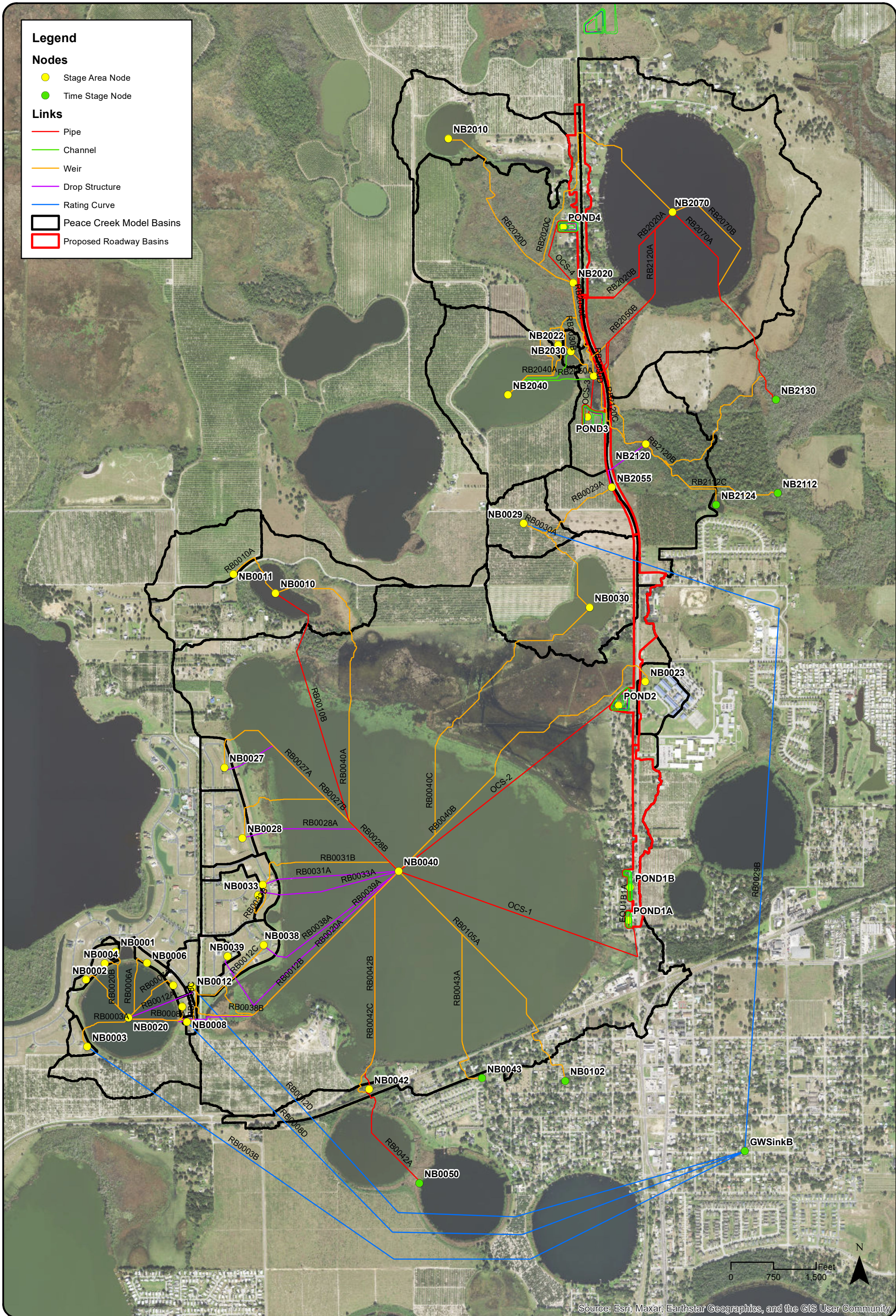
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**Existing Nodal Network Map - Polk City Model**





Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



**Proposed Nodal Network Map - Peace Creek Model**  
 CR 557 Widening  
 Polk County, Florida  
 Contract: 18-73



**Legend**

**Nodes**

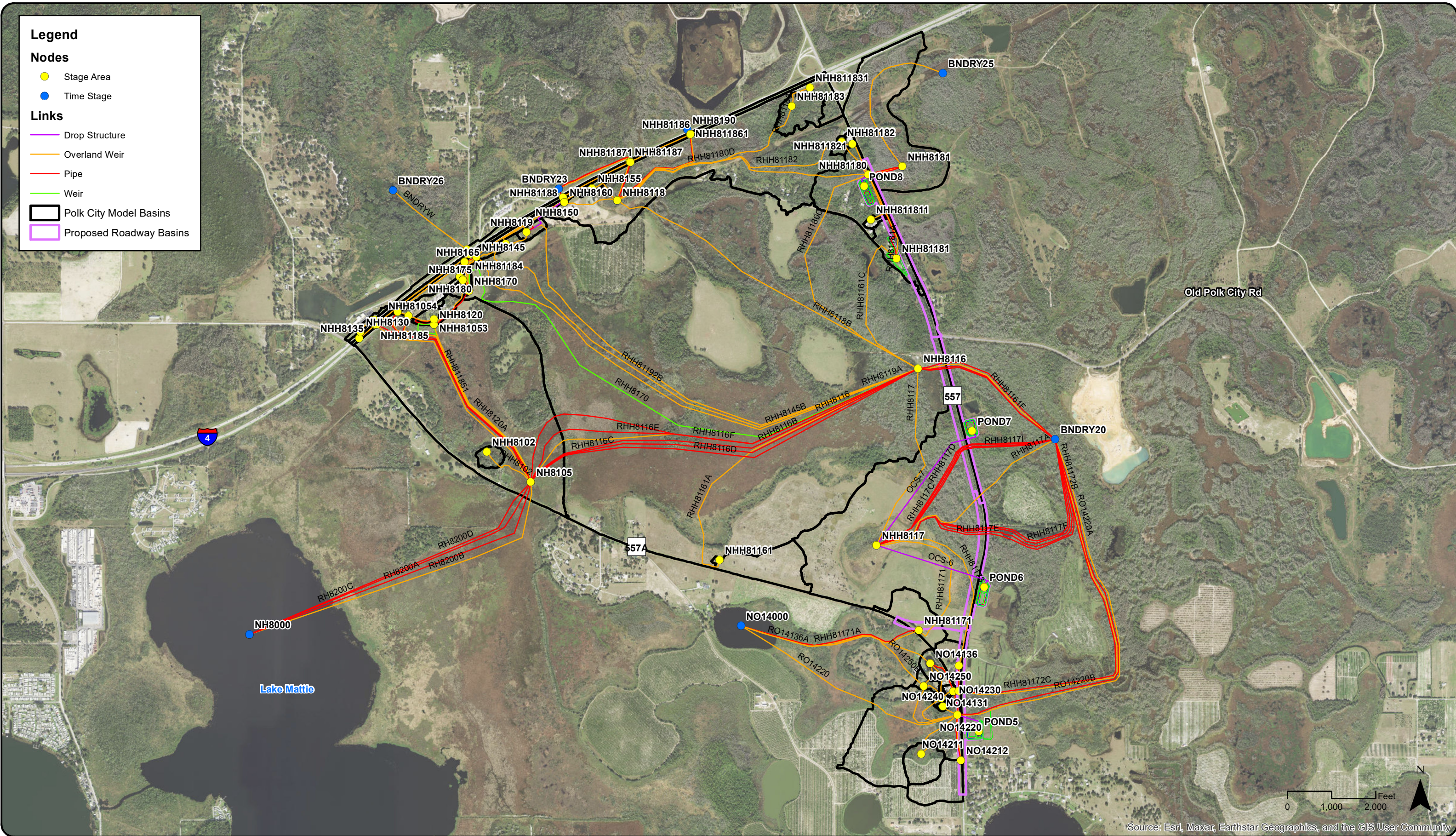
- Stage Area
- Time Stage

**Links**

- Drop Structure
- Overland Weir
- Pipe
- Weir

Polk City Model Basins

Proposed Roadway Basins



**CR 557 (Buena Vista Drive) Widening**  
 from North of the CSX Railroad to South of the I-4 Interchange  
 Polk County, Florida  
 Contract: 18-73

**Proposed Nodal Network Map - Polk City Model**





## APPENDIX C: Existing Permits



An Equal Opportunity Employer

# Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: WaterMatters.org

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)  
SUNCOM 578-2070

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)  
SUNCOM 572-6200

**Sarasota Service Office**  
6750 Fruitville Road  
Sarasota, Florida 34240 9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)  
SUNCOM 531-6900

**Lecanto Service Office**  
3600 West Sovereign Path  
Suite 226  
Lecanto, Florida 34461-8070  
(352) 527-8131  
SUNCOM 667 3271

July 17, 2003

- Thomas G. Dabney, II**  
Chair, Sarasota
- Watson L. Haynes, II**  
Vice Chair, Pinellas
- Janet D. Kovach**  
Secretary, Hillsborough
- Maggie N. Dominguez**  
Treasurer, Hillsborough
- Edward W. Chance**  
Manatee
- Ronnie E. Duncan**  
Pinellas
- Pamela L. Fentress**  
Highlands
- Ronald C. Johnson**  
Polk
- Heidi B. McCree**  
Hillsborough
- T. G. "Jerry" Rice**  
Pasco
- Judith C. Whitehead**  
Hernando

Mark E. Schreiber, President  
Development Group of Central Florida, Inc.  
P.O. Box 7530  
Winter Haven, FL 33883

File of Record  
Permit No. \_\_\_\_\_

**Subject: Notice of Final Agency Action for Approval**  
ERP General Construction  
Permit No: 44024736.000  
Project Name: Lexington Reserve  
County: Polk  
Sec/Twp/Rge: 20/27S/26E

Dear Mr. Schreiber:

This letter constitutes notice of Final Agency Action for **approval** of the permit application referenced above. Final approval is contingent upon no objection to the District's action being received by the District within the time frames described below.

You or any person whose substantial interests are affected by the District's action regarding a permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, F.S., and Chapter 28-106, Florida Administrative Code (F.A.C.), of the Uniform Rules of Procedure. *A request for hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no disputed facts, and (3) otherwise comply with Chapter 28-106, F.A.C.* Copies of Sections 28-106.201 and 28-106.301, F.A.C. are enclosed for your reference. A request for hearing must be filed with (received by) the Agency Clerk of the District at the District's Brooksville address within 21 days of receipt of this notice. Receipt is deemed to be the fifth day after the date on which this notice is deposited in the United States mail. Failure to file a request for hearing within this time period shall constitute a waiver of any right you or such person may have to request a hearing under Sections 120.569 and 120.57, F.S. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's action in this matter is not available prior to the filing of a request for hearing.

Enclosed is a "Noticing Packet" that provides information regarding the District Rule 40D-1.1010, F.A.C., which addresses the notification of persons whose substantial interests may be affected by the District's action in this matter. The packet contains guidelines on how to provide notice of the District's action, and a notice that you may use.

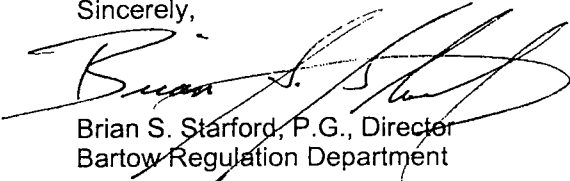
The enclosed approved construction plans are part of the permit, and construction must be in accordance with these plans.

- David L. Moore**  
Executive Director
- Gene A. Heath**  
Assistant Executive Director
- William S. Bilenky**  
General Counsel

Development Group of Central Florida, Inc.  
Page 2  
July 17, 2003

If you have questions concerning the permit, please contact Robert A. Dasta, P.E., at the Bartow Service Office. For assistance with environmental concerns, please contact Jarrod M. Bonnicks.

Sincerely,



Brian S. Starford, P.G., Director  
Bartow Regulation Department

BSS:RAD:po

Enclosures: Approved Permit w/Conditions Attached  
Approved Construction Drawings  
Statement of Completion  
Notice of Authorization to Commence Construction  
Noticing Packet (42.00-039)  
Sections 28-106.201 and 28-106.301, F.A.C.

cc/enc:

File of Record 44024736.000  
USACOE  
David C. Carter, P.E., David C. Carter Consulting Engineers, L.L.C.  
Laurie Hayes, P.E., Polk County  
J. Bonnicks

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
ENVIRONMENTAL RESOURCE  
GENERAL CONSTRUCTION  
PERMIT NO. 44024736.000

**EXPIRATION DATE: July 17, 2008**

PERMIT ISSUE DATE: July 17, 2003

This permit is issued under the provisions of Chapter 373, Florida Statutes (F.S.), and the Rules contained in Chapters 40D-4 and 40, Florida Administrative Code (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawing(s), plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

**PROJECT NAME:** Lexington Reserve

**GRANTED TO:** Development Group of Central Florida, Inc.  
P.O. Box 7530  
Winter Haven, FL 33883

**ABSTRACT:** This permit authorization is for the construction of a new surface water management system serving a 91.64-acre, 8-lot, low density, rural single-family subdivision, as named above and as shown on the approved construction plans. The surface water management system, which consists primarily of two retention ponds and the use of 50-foot undisturbed vegetative natural buffers around the receiving wetlands, is designed to accommodate the runoff from the activities associated with the construction of the low density, rural, single-family units, drive and roadway paving, and other contributing pervious areas. The project is located on the east side of C.R. 557, just south of Gum Lake, in Polk County.

Since the project is located within a hydrologically open drainage basin, the surface water management system has been designed such that the post-development discharge rate for a 25-year, 24-hour storm event does not exceed the pre-development condition. Roadway runoff is conveyed either to Pond 1 or Pond 2. Flood Insurance Rate Map Community Panel Nos. 12105C0215F and 12105C0355F indicate that there will be no construction within the 100-year floodplain. No adverse off-site/on-site water quantity impacts are expected.

Compliance with Chapter 40D-4, F.A.C., water quality requirements is assured, as the retention ponds will treat the first one-half inch of runoff from the contributing drainage area and recover this volume within 72 hours through natural infiltration. This is consistent with Part B, Environmental Resource Permitting Information Manual, Section 5.2.(c.). The discharge structures for the retention ponds will be equipped with skimmers to ensure that oil, greases, and floating pollutants are not discharged into down gradient receiving waters. No adverse on-site/off-site water quality impacts are expected.

There are 44.76 acres of wetlands and surface waters within the project area. No wetland impacts are proposed by this project. A 50-foot upland buffer will be utilized to prevent secondary impacts to on-site wetlands.

**OP. & MAINT. ENTITY:** Lexington Reserve Homeowners Association, Inc.

**PROPERTY LOCATION:** Polk County

**SEC/TWP/RGE:** 20/27S/26E

**TOTAL ACRES OWNED  
OR UNDER CONTROL:** 91.64

Permit No. 44024736.000  
 Project Name: Lexington Reserve  
 Page 2

**PROJECT SIZE:** 91.64 Acres  
**LAND USE:** Residential  
**DATE APPLICATION FILED:** January 27, 2003  
**AMENDED DATE:** N/A

I. Water Quantity/Quality

POND NO.	AREA ACRES AT TOP OF BANK	TREATMENT TYPE
1	1.20	Wet Detention
2	0.24	Retention
TOTAL	1.44	

II. 100-Year Floodplain

Encroachment (Acre-Feet of fill)	Compensation (Acre-Feet of excavation)	Compensation Type*	Encroachment Result**(feet)
0.00	0.00	NE [ X ]	Depth [ N/A ]

\*Codes [ X ] for the type or method of compensation provided are as follows:

NE = No Encroachment

N/A = Not Applicable

\*\*Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims MI type of compensation.

III. Environmental Considerations

Wetland Information:				
WETLAND NO.	TOTAL AC.	NOT IMPACTED AC.	TEMPORARILY DISTURBED AC.	PERMANENTLY DESTROYED AC.
1	20.39	20.39	0.00	0.00
2	6.12	6.12	0.00	0.00
3	0.04	0.04	0.00	0.00
4	5.98	5.98	0.00	0.00
SW 100 (Gum Lake)	12.23	12.23	0.00	0.00
TOTAL	44.76	44.76	0.00	0.00

Permit No. 44024736.000  
Project Name: Lexington Reserve  
Page 3

Comments: The project area contains 44.76 acres of wetlands and surface waters consisting of 12.14 acres of forested wetlands (Wetlands 2, 3 and 4), 20.39 acres of herbaceous wetlands (Wetland 1) and 12.23 acres of surface waters (Gum Lake). No wetland impacts are proposed by this project. A 50-foot upland buffer will be utilized to prevent secondary impacts to on-site wetlands.

No mitigation is required.

Watershed name: Peace River

A regulatory conservation easement is not required.

A proprietary conservation easement is not required.

### **SPECIFIC CONDITIONS**

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit shall terminate, pursuant to Section 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.
2. The discharges from this system shall meet state water quality standards as set forth in Chapter 62-302 and Section 62-4.242, F.A.C., for class waters equivalent to the receiving waters.
3. Unless specified otherwise herein, two copies of all information and reports required by this permit shall be submitted to:  
  
Bartow Regulation Department  
Southwest Florida Water Management District  
170 Century Boulevard  
Bartow, Florida 33830-7700  
  
The permit number, title of report or information and event (for recurring report or information submittal) shall be identified on all information and reports submitted.
4. The Permittee shall retain the design engineer, or other professional engineer registered in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the professional engineer so employed. This information shall be submitted prior to construction.
5. Within 30 days after completion of construction of the permitted activity, the Permittee shall submit to the Bartow Service Office a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Statement of Completion and Request for Transfer to Operation Entity form identified in Chapter 40D-1, F.A.C., and signed, dated, and sealed as-built drawings. The as-built drawings shall identify any deviations from the approved construction drawings.
6. The District reserves the right, upon prior notice to the Permittee, to conduct on-site research to assess the pollutant removal efficiency of the surface water management system. The Permittee may be required to cooperate in this regard by allowing on-site access by District representatives, by allowing the installation and operation of testing and monitoring equipment, and by allowing other assistance measures as needed on site.

Permit No. 44024736.000  
Project Name: Lexington Reserve  
Page 4

7. Wetland buffers shall remain in an undisturbed condition except for approved drainage facility construction/maintenance.
8. The following boundaries, as shown on the approved construction drawings, shall be clearly delineated on the site prior to initial clearing or grading activities:

- (X) wetland boundaries
- (X) wetland buffers

The delineation shall endure throughout the construction period and be readily discernible to construction and District personnel.

- 9 All wetland boundaries shown on the approved construction drawings shall be binding upon the Permittee and the District.

10. The following language shall be included as part of the deed restrictions for each lot:

"No owner of property within the subdivision may construct or maintain any building, residence, or structure, or undertake or perform any activity in the wetlands, wetland mitigation areas, buffer areas, upland conservation areas and drainage easements described in the approved permit and recorded plat of the subdivision, unless prior approval is received from the Southwest Florida Water Management District Bartow Regulation Department.

11. Rights-of-way and easement locations necessary to construct, operate and maintain all facilities, which constitute the permitted surface water management system, shall be shown on the final plat recorded in the County Public Records. Documentation of this plat recording shall be submitted to the District with the Statement of Completion and Request for Transfer to Operation Entity Form, and prior to beneficial occupancy or use of the site. The plat shall include the locations and limits of the following:

- (X) all wetlands
- (X) wetland buffers
- (X) upland buffers for water quality treatment

12. Copies of the following documents in final form, as appropriate for the project, shall be submitted to the Bartow Service Office:

- a. homeowners, property owners, master association or condominium association articles of incorporation, and
- b. declaration of protective covenants, deed restrictions or declaration of condominium

The Permittee shall submit these documents either: (1) within 180 days after beginning construction or with the Statement of Completion and as-built construction plans if construction is completed prior to 180 days, or (2) prior to any lot or unit sales within the project served by the surface water management system, whichever occurs first.

13. The following language shall be included as part of the deed restrictions for each lot:

"Each property owner within the subdivision at the time of construction of a building, residence, or structure shall comply with the construction plans for the surface water management system approved and on file with the Southwest Florida Water Management District (SWFWMD)."

14. The operation and maintenance entity shall submit inspection reports in the form required by the District, in accordance with the following schedule.

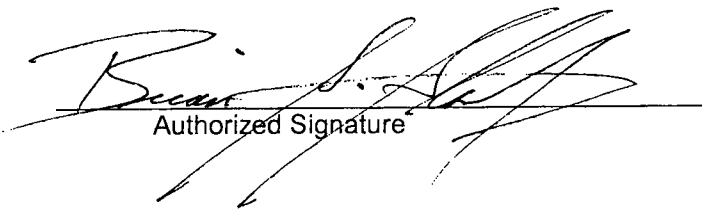
Permit No. 44024736.000  
Project Name: Lexington Reserve  
Page 5

For systems utilizing retention or wet detention, the inspections shall be performed two (2) years after operation is authorized and every two (2) years thereafter.

15. The removal of littoral shelf vegetation (including cattails) from wet detention ponds is prohibited unless otherwise approved by the District. Removal includes dredging, the application of herbicide, cutting, and the introduction of grass carp. Any questions regarding authorized activities within the wet detention ponds shall be addressed to the District's Surface Water Regulation Manager, Bartow Service Office.
16. For dry bottom retention systems, the retention areas shall become dry within 72 hours after a rainfall event. If a retention area is regularly wet, this situation shall be deemed to be a violation of this permit.
17. Refer to **GENERAL CONDITION** No. 15 herein.

**GENERAL CONDITIONS**

1. The general conditions attached hereto as Exhibit "A" are hereby incorporated into this permit by reference and the Permittee shall comply with them.

  
Authorized Signature



## EXHIBIT "A"

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and a pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the District as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
5. District staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the District as a permit prior to the dewatering event as a permit modification. A water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.
6. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
7. Off-site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the District.
8. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.

9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
  - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
  - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
  - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a written notification of commencement indicating the actual start date and the expected completion date.
12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Statement of Completion and Request for Transfer to Operation Entity form identified in Chapter 40D-1, F.A.C. Additionally, if deviation from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.
14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the District, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.
15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the District until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the District, if different from the permittee. Until a transfer is approved by the District, the permittee shall be liable for compliance with the terms of the permit.
16. Should any other regulatory agency require changes to the permitted system, the District shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.
17. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.

18. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.
19. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
20. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.
21. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40D-4.351, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
22. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with District rules, regulations and conditions of the permits.
23. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District and the Florida Department of State, Division of Historical Resources.
24. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

**CERTIFICATE OF MAILING**

I hereby certify that a copy of the FAA letter on Application No. 44024736.000 was mailed by United States Mail to the below listed parties this July 17, 2003.

FAA Expiration Date: August 13, 2003  
(Enter date-26 days from the date of mailing)

**Permittee** Mark E. Schreiber, President **Agent:**  
Development Group of Central  
Florida, Inc.  
P.O. Box 7530  
Winter Haven, FL 33883

**Engineer/Consultant** David C. Carter, P.E. **Applicant:**  
David C. Carter Consulting  
Engineers, L.L.C.  
137 Fifth Street Northwest  
Winter Haven, FL 33881

**FAA Request(s):** See cc's on letter **Requests for RAIs/FAA:**

**Required Noticing:** US ARMY CORPS OF ENGINEERS  
(w/ Letter & Copy of TAMPA REGULATORY FIELD OFFICE  
the Permit) PO BOX 19247  
TAMPA FL 33686-9247

**Documents sent by** FAA Transmittal Letter  
**Regular US Mail to** Sections 28-106.201 and 28-106.301, F.A.C.  
**Permittee/Consultant** Noticing Packet  
Approved Permit with Conditions  
Approved Construction Drawings  
Statement of Completion,  
Notice of Authorization

**Documents sent by** FAA Transmittal Letter  
**Regular US Mail to** Sections 28-106.201 and 28-106.301, F.A.C.  
**FAA Requestors and** Approved Permit with Conditions  
**others**

( ) ERP - Eminent Domain Property Owners (EPOs) **mailed regular U.S. Mail** (see list)  
( ) WRP - Adjacent Waterfront Property Owners (AWPOs) **if requested**

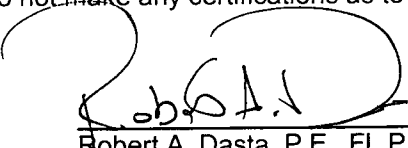


Administrative Section  
Bartow Regulation Department

**PROFESSIONAL CERTIFICATION\***  
**FOR THE ENGINEERING EVALUATION REPORT**

MSSW/ERP Permit Number: 44024736.000  
Date Application Received: January 27, 2003  
Permittee's Name: Development Group of Central Florida, Inc.  
Address: P.O. Box 7530  
Winter Haven, FL 33883  
Project Name: Lexington Reserve  
Project Description: Residential  
Project Size: 91.64 Acres  
Activity: Construction  
Section(s)/Township/Range: 20/27S/26E

I HEREBY CERTIFY that the engineering features described in the referenced application to construct and/or operate a surface water management system associated with the indicated project have been evaluated regarding provision of reasonable assurance of compliance with Part IV, Chapter 373, Florida Statutes, and Chapters 40D-4, 40D-40 or 40D-400, Florida Administrative Code (F.A.C.), as applicable. I have not evaluated and do not make any certifications as to other aspects of the proposal.

  
06/26/2003 (Seal)  
Robert A. Dasta, P.E., FL P.E. #56008  
Bartow Regulation Department  
Southwest Florida Water Management District

\* When required by Section 61G15-26.001(1), F.A.C., a professional engineer's seal, signature and date (i.e., "Professional Certification") means that the work indicated has been conducted under the responsible supervision, direction or control of a person licensed by the State to practice engineering, who by authority of their license is required to have some specialized knowledge of engineering. Professional Certification is not a guaranty or warranty of fitness or suitability, either explicit or implied.

**MSW/ERP PERMIT ROUTING SLIP  
WMD BARTOW REGULATION DEPARTMENT**

BOARD MONTH N/A

MSW/ERP PERMIT NO.: <u>44024736.000</u>	DEFAULT DATE: <u>7/19/03</u>	INTENDED ISSUE DATE (21 days from complete date) <u>5/20/03 - COMPLETED</u>
--------------------------------------------	---------------------------------	-----------------------------------------------------------------------------------

RUSH OR MISC INFO.  
LEXINGTON RESERVE

ROUGH DRAFT	INITIALS	DATE SIGNED	FINAL REVIEW	INITIALS	DATE SIGNED
REVIEW ES	JMB	7-3-03	REVIEW ES	JMB	7-3-03
REVIEW PE/PC	JMB	06/25/03	REVIEW PE/PC	JMB	06/26/03
PERMIT COORD	JMB	6/26/03	ES MANAGER	William A. Hartmann	7/14/03
			SW MANAGER	William A. Hartmann	7/17/03
			ADMIN. REVIEW	JMB	7-16-03
			DEPT DIRECTOR	JMB	7/17/03

APPROVAL ( ) DENIAL ( ) CZM DEADLINE

MSW/ERP TYPE: GENERAL

( ) ERP NOTICED GENERAL RULE: \_\_\_\_\_

( ) Letter Mods: MSW/ERP No. \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_ EXP DATE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

( ) Permit Mods: MSW/ERP No. \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_

- I Water Quantity/Quality: ( ) No ponds, see engineer's comments below.
- II Env. Considerations: ( ) There are no wetlands within the project area.
- III Wetlands: ( ) Field Work Copy (Worksheets, permit, etc.)  
( ) Wetlands Adjacent to project area.

Comments: 1. GARY LAURIE HAYES, P.E., POLY CONSULT

1. Do we meet Conditions of Issuance for Water Quality - ABS. REVIEWER

2. Are the 50-ft buffers "wetland buffers" for 2<sup>nd</sup> impact on part of the surface water management system? YES

3. Do the buffers need to be included in the drainage easement & defined as to what vegetation is needed/allowed to provide WQ treatment? 7/10/03

REVIEWER, have you purged your work file for File of Record and is the permit number on the purged data? ( ) Yes ( ) No

Typist Initials and Date: Pat 6/26/03 July 3, 2003, Pat 7/16/03, Pat 7/17/03

4. Are 25' swales part of the SWM system?



An Equal Opportunity Employer

# Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the internet at: WaterMatters.org

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)  
SUNCOM 572-6200

**Lecanto Service Office**  
Suite 226  
3600 West Sovereign Path  
Lecanto, Florida 34461-8070  
(352) 527-8131  
SUNCOM 667-3271

**Sarasota Service Office**  
6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)  
SUNCOM 531-6900

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)  
SUNCOM 578-2070

August 2, 2006

**Talmadge G. "Jerry" Rice**  
Chair, Pasco

**Judith C. Whitehead**  
Vice Chair, Hernando

**Neil Combee**  
Secretary, Polk

**Jennifer E. Closshey**  
Treasurer, Hillsborough

**Edward W. Chance**  
Manatee

**Thomas G. Dabney**  
Sarasota

**Heidi B. McCree**  
Hillsborough

**Sally Parks**  
Pinellas

**Todd Pressman**  
Pinellas

**Maritza Rovira-Ferino**  
Hillsborough

**Patsy C. Symons**  
DeSoto

**David L. Moore**  
Executive Director

**William S. Bilenky**  
General Counsel

**Jack M. Berry**  
Jack M. Berry, Inc.  
2520 Sand Mine Road  
Davenport, FL 33897

**Subject: Final Agency Action Transmittal Letter for Formal Determination of Wetlands and Other Surface Waters**  
Petition No.: 42030450.000  
Project Name: Lake Grassy  
County: Polk  
Sec/Twp/Rge: 19,20,30/27S/26E

Dear Mr. Berry:

This letter constitutes notice of Final Agency Action for Approval of the above referenced Petition for Formal Determination of Wetlands and Other Surface Waters. This approval does not authorize any construction activities or constitute conceptual approval of any anticipated projects. Construction, alteration, operation, removal or abandonment of a surface water management system requires a permit from the District pursuant to Rule 40D-4.041, Florida Administrative Code, (F.A.C.), and Section 373.413, Florida Statutes, (F.S.), unless exempt pursuant to 40D-4.051, F.A.C., or 373.406, F.S.

You or any person whose substantial interests are affected by the District's action regarding a petition may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statute, (F.S.), and Chapter 28-106, Florida Administrative Code, (F.A.C.), of the Uniform Rules of Procedure. A request for hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no disputed facts, and (3) otherwise comply with Chapter 28-106, F.A.C. Copies of Sections 28-106.201 and 28-106.301, F.A.C. are enclosed for your reference. A request for hearing must be filed with (received by) the Agency Clerk of the District at the District's Brooksville address within 21 days of receipt of this notice. Receipt is deemed to be the fifth day after the date on which this notice is deposited in the United States mail. Failure to file a request for hearing within this time period shall constitute a waiver of any right you or such person may have to request a hearing under Sections 120.569 and 120.57, F.S. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's action in this matter is not available prior to the filing of a request for hearing.

File of Record  
Permit No. \_\_\_\_\_

If you have any questions concerning this approval, please contact Jeffrey B. Whealton at the Bartow Service Office, extension 6119.

Sincerely,

  
Brian S. Starford, P.G., Director  
Bartow Regulation Department

BSS:JBW:kmh

Enclosures: Approved Formal Determination of Wetlands and Other Surface Waters w/Attachments  
Noticing Packet (42.00-039)  
Sections 28-106.201 and 28-106.301, F.A.C.

cc: File of Record 42030450.000  
Jack M. Berry, Jack M. Berry, Inc.  
Nick Nichols, Water Resource Associates  
Eric Hickman, Florida Department of Environmental Protection  
F. Ritchie



**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
FORMAL DETERMINATION OF WETLANDS  
AND OTHER SURFACE WATERS  
NO. 42030450.000**

**EXPIRATION DATE:  
August 2, 2011**

**FORMAL DETERMINATION ISSUED DATE:  
August 2, 2006**

This Formal Determination of Wetlands and Other Surface Waters No. 42030450.000 is issued under the provisions of Section 373.421, Florida Statutes, (F.S.), and Rule 40D-4.042 and Section 3.4 of the Environmental Resource Permit Basis of Review, Florida Administrative Code, (F.A.C.). This Formal Determination consists of the District's determination of the locations on the property of the landward extent (boundaries) of wetlands and other surface waters based on the documentation consisting of a certified survey and an approximate delineation submitted by the Petitioner. This Formal Determination does not authorize any construction activities or constitute conceptual approval of any anticipated projects. Construction, alteration, operation, removal or abandonment of a surface water management system requires a permit from the District pursuant to Rule 40D-4.041, F.A.C., and Section 373.413, F.S, unless exempt pursuant to 40D-4.051, F.A.C. or 373.406, F.S. This Formal Determination does not in any way establish boundaries of sovereign submerged lands.

**PROJECT NAME:** Lake Grassy

**GRANTED TO:** Jack M. Berry, Inc.  
2520 Sand Mine Road  
Davenport, FL 33897

**ABSTRACT:** The landward extent of the wetland boundaries was determined for a 391.37-acre tract of land located North of Old Lake Alfred Road and West of Highway 557 immediately Northwest of the City of Lake Alfred.

Wetland and other surface water boundaries were established by Nick Nichols of Water Resource Associates, Inc., representing Jack Berry of Jack Berry, Inc. Agency verification of the boundaries that represent the landward extent of the wetlands on site was conducted on February 23 and 24, 2006, by Jeff Whealton, Sr. Environmental Scientist, Southwest Florida Water Management District. At several locations on the wetland boundaries, hydrologic indicators, vegetation, and/or soils were examined in order to corroborate the wetland boundaries with the requirements of Chapter 62-340, F.A.C.

The landward extent of wetlands on site is delineated on the certified survey appended as Attachment A.

**COUNTY:** Polk

**SEC/TWP/RGE:** 19,20,30/27S/26E

**PROJECT SIZE:** 391.37 Acres

**WETLAND AND OTHER  
SURFACE WATER ACRES:** 103.91

**CURRENT LAND USE:** Agricultural

**DATE PETITION FILED:** February 14, 2006

Pursuant to Subsection 373.421 (4), F.S., the Governing Board may revoke the Formal Wetland Determination upon a finding that the Petitioner has submitted inaccurate information to the District.

The Formal Wetland Determination shall be binding for the stated duration provided physical conditions on the property do not change so as to alter the boundaries of wetlands and other surface waters during that period.

Attachment A: Documents depicting the landward extent (boundaries) of wetlands and other surface waters are hereby incorporated into this petition by reference and the Petitioner shall comply with them.



Authorized Signature

*for*

**Brian S. Starford, P. G., Director**

**PART II HEARINGS INVOLVING  
DISPUTED ISSUES OF MATERIAL FACT**

**PART III PROCEEDINGS AND HEARINGS NOT INVOLVING  
DISPUTED ISSUES OF MATERIAL FACT**

**28-106.201 Initiation of Proceedings.**

- (1) Unless otherwise provided by statute, initiation of proceedings shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document that requests an evidentiary proceeding and asserts the existence of a disputed issue of material fact. Each petition shall be legible and on 8 1/2 by 11 inch white paper. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced.
- (2) All petitions filed under these rules shall contain:
- (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
  - (c) A statement of when and how the petitioner received notice of the agency decision;
  - (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
  - (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
  - (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and
  - (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.
- (3) Upon receipt of a petition involving disputed issues of material fact, the agency shall grant or deny the petition, and if granted shall, unless otherwise provided by law, refer the matter to the Division of Administrative Hearings with a request that an administrative law judge be assigned to conduct the hearing. The request shall be accompanied by a copy of the petition and a copy of the notice of agency action.
- (4) A petition shall be dismissed if it is not in substantial compliance with subsection (2) of this rule or it has been untimely filed. Dismissal of a petition shall, at least once, be without prejudice to petitioner's filing a timely amended petition curing the defect, unless it conclusively appears from the face of the petition that the defect cannot be cured.
- (5) The Agency shall promptly give written notice to all parties of the action taken on the petition, shall state with particularity its reasons if the petition is not granted, and shall state the deadline for filing an amended petition if applicable.

*Specific Authority 120.54(3), 120.54(5) FS.  
Law Implemented 120.54(5), 120.569, 120.57 FS.  
History—New 4-1-97, Amended 9-17-98.*

**28-106.301 Initiation of Proceedings.**

- (1) Initiation of a proceeding shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document which requests a proceeding. Each petition shall be legible and on 8 1/2 by 11 inch white paper or on a form provided by the agency. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced.
- (2) All petitions filed under these rules shall contain:
- (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
  - (c) A statement of when and how the petitioner received notice of the agency decision;
  - (d) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
  - (e) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and
  - (f) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.
- (3) If the petition does not set forth disputed issues of material fact, the agency shall refer the matter to the presiding officer designated by the agency with a request that the matter be scheduled for a proceeding not involving disputed issues of material fact. The request shall be accompanied by a copy of the petition and a copy of the notice of agency action.
- (4) A petition shall be dismissed if it is not in substantial compliance with subsection (2) of this Rule or it has been untimely filed. Dismissal of a petition shall, at least once, be without prejudice to petitioner's filing a timely amended petition curing the defect, unless it conclusively appears from the face of the petition that the defect cannot be cured.
- (5) The agency shall promptly give written notice to all parties of the action taken on the petition, shall state with particularity its reasons if the petition is not granted, and shall state the deadline for filing an amended petition if applicable.

*Specific Authority 120.54(5) FS.  
Law Implemented 120.54(5), 120.569, 120.57 FS.  
History—New 4-1-97, Amended 9-17-98.*

**CERTIFICATE OF MAILING**

I hereby certify that a copy of the FAA letter on Application No. 42030450.000 was mailed by United States Mail to the below listed parties this 8/2/06.

FAA Expiration Date: 8/28/06

**Permittee/Owner**

Jack M. Berry  
Jack M. Berry, Inc.  
2520 Sand Mine Road  
Davenport, FL 33897

**Applicant**

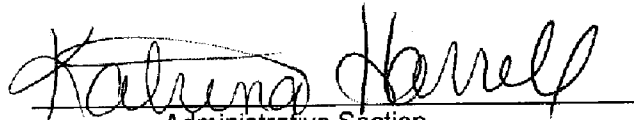
Jack M. Berry  
Jack M. Berry, Inc.  
2520 Sand Mine Road  
Davenport, FL 33897

**Engineer/Consultant**

Mr. Nick Nichols  
Water Resource Associates  
4260 West Linebaugh Avenue  
Tampa, FL 33624

Required Noticing: (w/ Letter & Copy of the Permit)	See USACOE address above, if applicable
Documents sent by Regular US Mail to Permittee/Consultant	FAA Transmittal Letter Approved Permit with Conditions Attached Sections 28-106.201 and 28-106.301, F.A.C. Noticing Packet Approved Construction Drawings (Permittee only) Statement of Completion (Permittee only) Notice of Authorization (Permittee only)
Documents sent by Regular US Mail to FAA Requestors and others	FAA Transmittal Letter Approved Permit with Conditions Attached Sections 28-106.201 and 28-106.301, F.A.C.

- ( ) ERP - Eminent Domain Property Owners (EPOs) **mailed regular U.S. Mail** (see list)
- ( ) WRP - Adjacent Waterfront Property Owners (AWPOs) **if requested**

  
\_\_\_\_\_  
Administrative Section  
Bartow Regulation Department



# Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: [WaterMatters.org](http://WaterMatters.org)

An Equal  
Opportunity  
Employer

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

August 18, 2011

Tree-O Groves Inc.  
P.O. Box 937  
Lake Alfred, FL 33850

**Subject: Notice of Final Agency Action for Approval**  
ERP Short Form  
Project Name: Lake Swoope Heights  
App ID/Permit No: 652537 / 44030674.001  
County: POLK  
Letter Received: July 25, 2011  
Expiration Date: August 18, 2016  
Sec/Twp/Rge: S29/T27S/R26E, S32/T27S/R26E

**Reference:** Chapters 40D-4 and 40, Florida Administrative Code (F.A.C.)  
Sections 373.4141 and 120.60, Florida Status (F.S)

Dear Permittee(s):

Your request to modify Permit No. 44030674.000 by Short Form has been approved. This modification authorizes:

The extension of the expiration date for Permit No. 44030674.000 to August 31, 2016.

All other terms and conditions of Permit No. 44030674.000, dated August 31, 2006, entitled Lake Swoope Heights, apply.

Plans and information you submitted to support your request to modify this permit will be kept on file.

Final approval is contingent upon no objection to the District's action being received by the District within the time frames described below.

You or any person whose substantial interests are affected by the District's action regarding a permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, F.S., and Chapter 28-106, F.A.C., of the Uniform Rules of Procedure. A request for hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no disputed facts, and (3) otherwise comply with Chapter 28-106, F.A.C. Copies of Sections 28-106.201 and 28-106.301, F.A.C. are enclosed for reference. A request for hearing must be filed with (received by) the Agency Clerk of the District at the District's Brooksville address within 21 days of receipt of this notice. Receipt is deemed to be the fifth day after the date on which this notice is deposited in the United States mail. Failure to file a request for hearing within this time period shall constitute a waiver of any right you or such person may have to request a hearing under Sections 120.569 and 120.57, F.S. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's action in this matter is not available prior to the filing of a request for hearing.

Enclosed is a "Noticing Packet" that provides information regarding District Rule, 40D-1.1010, F.A.C., which

addresses the notification of persons whose substantial interests may be affected by the District's action in this matter. The packet contains guidelines on how to provide notice of the District's action, and a notice that you may use.

Approved construction plans are part of the permit, and construction must be in accordance with these plans. *These drawings are available for viewing or downloading at [www.watermatters.org](http://www.watermatters.org).*

If you have questions regarding this letter modification, please contact Michaud Burgos, at the Bartow Service Office, extension 6112. For assistance with environmental concerns, please contact Cory Catts, extension 6104.

Sincerely,

**Brian Starford, P.G., Director**

Bartow Regulation Department

Enclosures: Section 28-106.201 and 28-106.301, F.A.C.  
Notice of Packet (42.00-039)

cc: Ronald Wilson, PE, Engineers of Central Florida, Inc.

**PART II HEARINGS INVOLVING  
DISPUTED ISSUES OF MATERIAL FACT**

**28-106.201 Initiation of Proceedings.**

(1) Unless otherwise provided by statute, and except for agency enforcement and disciplinary actions that shall be initiated under Rule 28-106.2015, F.A.C., initiation of proceedings shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document that requests an evidentiary proceeding and asserts the existence of a disputed issue of material fact. Each petition shall be legible and on 8 1/2 by 11 inch white paper. Unless printed, the impression shall be on one side of the paper only and lines shall be doublespaced.

(2) All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

(3) Upon receipt of a petition involving disputed issues of material fact, the agency shall grant or deny the petition, and if granted shall, unless otherwise provided by law, refer the matter to the Division of Administrative Hearings with a request that an administrative law judge be assigned to conduct the hearing. The request shall be accompanied by a copy of the petition and a copy of the notice of agency action.

*Specific Authority 120.54(3), (5) FS. Law Implemented 120.54(5), 120.569, 120.57 FS. History-New 4-1-97, Amended 9-17-98, 1-15-07.*

**PART III PROCEEDINGS AND HEARINGS  
NOT INVOLVING DISPUTED ISSUES OF  
MATERIAL FACT**

**28-106.301 Initiation of Proceedings**

(1) Unless otherwise provided by statute and except for agency enforcement and disciplinary actions initiated under subsection 28-106.2015(1), F.A.C., initiation of a proceeding shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document which requests a proceeding. Each petition shall be legible and on 8 1/2 by 11 inch white paper or on a form provided by the agency. Unless printed, the impression shall be on one side of the paper only and lines shall be doubled-spaced.

(2) All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) An explanation of how the petitioner's substantial interests will be affected by the agency determination;

(d) A statement of when and how the petitioner received notice of the agency decision;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action;

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action; and

(h) A statement that no material facts are in dispute.

*Specific Authority 120.54(5) FS. Law Implemented 120.54(5), 120.569, 120.57 FS. History-New 4-1-97, Amended 9-17-98, 1-15-07, 12-24-07.*



An Equal  
Opportunity  
Employer

# Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
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1-800-492-7862 (FL only)

**Sarasota Service Office**  
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Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

## NOTICING PACKET PUBLICATION INFORMATION

### PLEASE SEE THE NEXT PAGE OF THIS NOTICE FOR A LIST OF FREQUENTLY ASKED QUESTIONS (FAQ)

The District's action regarding the issuance or denial of a permit, a petition or qualification for an exemption only becomes closed to future legal challenges from members of the public ("third parties"), if 1.) "third parties" have been properly notified of the District's action regarding the permit or exemption, and 2.) no "third party" objects to the District's action within a specific period of time following the notification.

Notification of "third parties" is provided through publication of certain information in a newspaper of general circulation in the county or counties where the proposed activities are to occur. Publication of notice informs "third parties" of their right to challenge the District's action. If proper notice is provided by publication, "third parties" have a 21-day time limit in which to file a petition opposing the District's action. A shorter 14-day time limit applies to District action regarding Environmental Resource Permits linked with an authorization to use Sovereign Submerged Lands. However, if no notice to "third parties" is published, there is no time limit to a party's right to challenge the District's action. The District has not published a notice to "third parties" that it has taken or intends to take final action on your application. If you want to ensure that the period of time in which a petition opposing the District's action regarding your application is limited to the time frames stated above, you must publish, at your own expense, a notice in a newspaper of general circulation. A copy of the Notice of Agency Action the District uses for publication and guidelines for publishing are included in this packet.

#### Guidelines for Publishing a Notice of Agency Action

1. Prepare a notice for publication in the newspaper. The District's Notice of Agency Action, included with this packet, contains all of the information that is required for proper noticing. However, you are responsible for ensuring that the form and **the content** of your notice comply with the applicable statutory provisions.
2. Your notice must be published in accordance with Chapter 50, Florida Statutes. A copy of the statute is enclosed.
3. Select a newspaper that is appropriate considering the location of the activities proposed in your application, and contact the newspaper for further information regarding their procedures for publishing.
4. You only need to publish the notice for one day.
5. Obtain an "affidavit of publication" from the newspaper after your notice is published.
6. Immediately upon receipt send the **ORIGINAL** affidavit to the District at the address below, for the file of record. **Retain a copy of the affidavit for your records.**

Southwest Florida Water Management District  
Records and Data Supervisor  
2379 Broad Street  
Brooksville, Florida 34604-6899

**Note:** If you are advertising a notice of the District's proposed action, and the District's final action is different, publication of an additional notice may be necessary to prevent future legal challenges. If you need additional assistance, please contact us at ext. 4360, at the Brooksville number listed above. **(Your question may be on the FAQ list).**



## FAQ ABOUT NOTICING

1. **Q.** Do I have to do this noticing, and what is this notice for?  
**A.** You do not have to do this noticing, unless you are issued a permit classified as an "Individual". You need to publish a notice if you want to ensure that a "third party" cannot challenge the District's action on your permit, exemption, or petition at some future date. If you choose not to publish, there is no time limit to a third party's right to challenge the District's action.
2. **Q.** What do I need to send to the newspaper?  
**A.** The enclosed one page notice form entitled "Notice of Final Agency Action (or Proposed Agency Action) By The Southwest Florida Water Management District." You must fill in the blanks before sending it.
3. **Q.** Do I have to use the notice form, or can I make up my own form?  
**A.** You do not have to use our form. However, your notice must contain all information that is in the form.
4. **Q.** Do I send the newspaper the whole form (one page) or just the top portion that has blanks?  
**A.** Send the full page form which includes the NOTICE OF RIGHTS section on the bottom half.
5. **Q.** The section 50.051, F.S. (enclosed) proof of publication form of uniform affidavit has blanks in the text. Do I fill in these blanks and send that to the newspaper?  
**A.** No. That section shows the affidavit the newspaper will send you. They will fill in the blanks.
6. **Q.** If someone objects, is my permit or exemption no good?  
**A.** If you publish a notice and a "third party" files a request for administrative hearing within the allotted time, the matter is referred to an administrative hearing. While the case is pending, generally, you may not proceed with activities under the challenged agency action. When the hearing is complete, the administrative law judge's (ALJ) recommendation is returned to the District Governing Board, and the Governing Board will take final action on the ALJ's recommendation. There is no time limit for a "third party" to object and file a request for administrative hearing if you do not publish a notice.

## CHAPTER 50, FLORIDA STATUTES

### LEGAL AND OFFICIAL ADVERTISEMENTS

<a href="#">50.011</a>	Where and in what language legal notices to be published.
<a href="#">50.021</a>	Publication when no newspaper in county.
<a href="#">50.031</a>	Newspapers in which legal notices and process may be published.
<a href="#">50.041</a>	Proof of publication; uniform affidavits required.
<a href="#">50.051</a>	Proof of publication; form of uniform affidavit.
<a href="#">50.061</a>	Amounts chargeable.
<a href="#">50.0711</a>	Court docket fund; service charges; publications.

#### **50.011 Where and in what language legal notices to be published.-**

Whenever by statute an official or legal advertisement or a publication, or notice in a newspaper has been or is directed or permitted in the nature of or in lieu of process, or for constructive service, or in initiating, assuming, reviewing, exercising or enforcing jurisdiction or power, or for any purpose, including all legal notices and advertisements of sheriffs and tax collectors, the contemporaneous and continuous intent and meaning of such legislation all and singular, existing or repealed, is and has been and is hereby declared to be and to have been, and the rule of interpretation is and has been, a publication in a newspaper printed and published periodically once a week or oftener, containing at least 25 percent of its words in the English language, entered or qualified to be admitted and entered as periodicals matter at a post office in the county where published, for sale to the public generally, available to the public generally for the publication of official or other notices and customarily containing information of a public character or of interest or of value to the residents or owners of property in the county where published, or of interest or of value to the general public.

**History.**--s. 2, ch. 3022, 1877; RS 1296; GS 1727; s. 1, ch. 5610, 1907; RGS 2942; s. 1, ch. 12104, 1927; CGL 4666, 4901; s. 1, ch. 63-387; s. 6, ch. 67-254; s. 21, ch. 99-2.

**Note.**-Former s. 49.01.

#### **50.021 Publication when no newspaper in county.**

When any law, or order or decree of court, shall direct advertisements to be made in any county and there be no newspaper published in the said county, the advertisement may be made by posting three copies thereof in three different places in said county, one of which shall be at the front door of the courthouse, and by publication in the nearest county in which a newspaper is published.

**History.**-RS 1297; GS 1728; RGS 2943; CGL 4667; s. 6, ch. 67-254.

**Note.**-Former s. 49.02.

#### **50.031 Newspapers in which legal notices and process may be published.**

No notice or publication required to be published in a newspaper in the nature of or in lieu of process of any kind, nature, character or description provided for under any law of the state, whether heretofore or hereafter enacted, and whether pertaining to constructive service, or the initiating, assuming, reviewing, exercising or enforcing jurisdiction or power, by any court in this state, or any notice of sale of property, real or personal, for taxes, state, county or municipal, or sheriff's, guardian's or administrator's or any sale made pursuant to any judicial order, decree or statute or any other publication or notice pertaining to any affairs of the state, or any county, municipality or other political subdivision thereof, shall be deemed to have been published in accordance with the statutes providing for such publication, unless the same shall have been published for the prescribed period of time required for such publication, in a newspaper which at the time of such publication shall have been in existence for 1 year and shall have been entered as periodicals matter at a post office in the county where published, or in a newspaper which is a direct successor of a newspaper which together have been so published; provided, however, that nothing herein contained shall apply where in any county there shall be no newspaper in existence which shall have been published for the length of time above prescribed. No legal publication of any kind, nature or description, as herein defined, shall be valid or binding or held to be in compliance with the statutes providing for such publication unless the same shall have been published in accordance with the provisions of this section. Proof of such publication shall be made by uniform affidavit.

**History.**--s. 1-3, ch. 14830, 1931; CGL 1936 Supp. 4274(1); s. 7, ch. 22858, 1945; s. 6, ch. 67-254; s. 1, ch. 74-221; s. 22, ch. 99-2.

**Note.**-Former s. 49.03.

#### **50.041 Proof of publication; uniform affidavits required.**

(1) All affidavits of publishers of newspapers (or their official representatives) made for the purpose of establishing proof of publication of public notices or legal advertisements shall be uniform throughout the state.

(2) Each such affidavit shall be printed upon white bond paper containing at least 25 percent rag material and shall be 8.5 inches in width and of convenient length, not less than 5.5 inches. A white margin of not less than 2.5 inches shall be left at the right side of each affidavit form and upon or in this space shall be substantially pasted a clipping which shall be a true copy of the public notice or legal advertisement for which proof is executed.

(3) In all counties having a population in excess of 450,000 according to the latest official decennial census, in addition to the charges which are now or may hereafter be established by law for the publication of every official notice or legal advertisement, there may be a charge not to exceed \$2 for the preparation and execution of each such proof of publication or publisher's affidavit.

**History.**-s. 1, ch. 19290, 1939; CGL 1940 Supp. 4668(1); s. 1, ch. 63-49; s. 26, ch. 67-254; s. 1, ch. 76-58.

**Note.**-Former s. 49.04.

#### **50.051 Proof of publication; form of uniform affidavit.-**

The printed form upon which all such affidavits establishing proof of publication are to be executed shall be substantially as follows:

NAME OF NEWSPAPER  
Published (Weekly or Daily)  
(Town or City) (County) FLORIDA

STATE OF FLORIDA

COUNTY OF \_\_\_\_\_:

Before the undersigned authority personally appeared \_\_\_\_\_, who on oath says that he or she is \_\_\_\_\_ of the \_\_\_\_\_, a \_\_\_\_\_ newspaper published at \_\_\_\_\_ in \_\_\_\_\_ County, Florida; that the attached copy of advertisement, being a \_\_\_\_\_ in the matter of \_\_\_\_\_ in the \_\_\_\_\_ Court, was published in said newspaper in the issues of \_\_\_\_\_.

Affiant further says that the said \_\_\_\_\_ is a newspaper published at \_\_\_\_\_, in said \_\_\_\_\_ County, Florida, and that the said newspaper has heretofore been continuously published in said \_\_\_\_\_ County, Florida, each \_\_\_\_\_ and has been entered as periodicals matter at the post office in \_\_\_\_\_, in said \_\_\_\_\_ County, Florida, for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he or she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ (year)\_\_\_\_, by \_\_\_\_\_, who is personally known to me or who has produced (type of identification) as identification.

\_\_\_\_\_(Signature of Notary Public)\_\_\_\_\_

\_\_\_\_\_(Print, Type, or Stamp Commissioned Name of Notary Public)\_\_\_\_\_

\_\_\_\_\_(Notary Public)\_\_\_\_\_

**History.**-s. 2, ch. 19290, 1939; CGL 1940 Supp. 4668(2); s. 6, ch. 67-254; s. 1, ch. 93-62; s. 291, ch. 95-147; s.23, ch 99-2; s. 3, ch. 99-6.

**Note.**-Former s. 49.05.

**50.061 Amounts chargeable.-**

(1) The publisher of any newspaper publishing any and all official public notices or legal advertisements shall charge therefore the rates specified in this section without rebate, commission or refund.

(2) The charge for publishing each such official public notice or legal advertisement shall be 70 cents per square inch for the first insertion and 40 cents per square inch for each subsequent insertion, except that:

(a) In all counties having a population of more than 304,000 according to the latest official decennial census, the charge for publishing each such official public notice or legal advertisement shall be 80 cents per square inch for the first insertion and 60 cents per square inch for each subsequent insertion.

(b) In all counties having a population of more than 450,000 according to the latest official decennial census, the charge for publishing each such official public notice or legal advertisement shall be 95 cents per square inch for the first insertion and 75 cents per square inch for each subsequent insertion.

(3) Where the regular established minimum commercial rate per square inch of the newspaper publishing such official public notices or legal advertisements is in excess of the rate herein stipulated, said minimum commercial rate per square inch may be charged for all such legal advertisements or official public notices for each insertion, except that a governmental agency publishing an official public notice or legal advertisement may procure publication by soliciting and accepting written bids from newspapers published in the county, in which case the specified charges in this section do not apply.

(4) All official public notices and legal advertisements shall be charged and paid for on the basis of 6-point type on 6-point body, unless otherwise specified by statute.

(5) Any person violating a provision of this section, either by allowing or accepting any rebate, commission, or refund, commits a misdemeanor of the second degree, punishable as provided in s. [775.082](#) or s. [775.083](#).

(6) Failure to charge the rates prescribed by this section shall in no way affect the validity of any official public notice or legal advertisement and shall not subject same to legal attack upon such grounds.

**History.**-s. 3, ch. 3022, 1877; RS 1298; GS 1729; RGS 2944; s. 1, ch. 12215, 1927; CGL 4668; ss. 1, 2, 2A, 2B, ch. 20264, 1941; s. 1, ch. 23663, 1947; s. 1, ch. 57-160; s. 1, ch. 63-50; s. 1, ch. 65-569; s. 6, ch. 67-254; s. 15, ch. 71-136; s. 35, ch. 73-332; s. 1, ch. 90-279.

**Note.**-Former s. 49.06.

**50.0711 Court docket fund; service charges; publications.-**

(1) The clerk of the court in each county may establish a court docket fund for the purpose of paying the cost of publication of the fact of the filing of any civil case in the circuit court of the county by the style and of the calendar relating to such cases. This court docket fund shall be funded by \$1 mandatory court cost for all civil actions, suits, or proceedings filed in the circuit court of the county. The clerk shall maintain such funds separate and apart, and the proceeds from this court cost shall not be diverted to any other fund or for any purpose other than that established in this section. The clerk of the court shall dispense the fund to the designated record newspaper in the county on a quarterly basis.

(2) A newspaper qualified under the terms of s. 50.011 shall be designated as the record newspaper for such publication by an order of the majority of the judges in the judicial circuit in which such county is located, and such order shall be filed and recorded with the clerk of the circuit court for such county. The designated record newspaper may be changed at the end of any fiscal year of the county by a majority vote of the judges of the judicial circuit of the county ordering such change 30 days prior to the end of the fiscal year, notice of which order shall be given to the previously designated record newspaper.

(3) The publishers of any designated record newspapers receiving payment from this court docket fund shall publish, without additional charge, the fact of the filing of any civil case, suit, or action filed in such county in the circuit. Such publication shall be in accordance with a schedule agreed upon between the record newspaper and the clerk of the court in such county.

(4) The publishers of any designated record newspapers receiving revenues from the court docket fund established in subsection (1) shall, without charge, accept legal advertisements for the purpose of service of process by publication under s. 49.011(4), (10), and (11) when such publication is required of persons authorized to proceed as indigent persons under s. 57.081.

**History.**--s. 46. ch. 2004-265.

**NOTICE OF FINAL AGENCY ACTION BY  
THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT**

Notice is given that the District's Final Agency Action is approval of the ERP STANDARD GENERAL on 17.95 acres to serve SINGLE-FAMILY RESIDENTIAL known as Lake Swoope Heights. The project is located in POLK County, Section/Township/Range S29/T27S/R26E, S32/T27S/R26E. The permit applicant is Tree-O Groves Inc. whose address is P.O. Box 937 Lake Alfred, FL 33850. The permit No. is 44030674.001.

The file(s) pertaining to the project referred to above is available for inspection Monday through Friday except for legal holidays, 8:00 a.m. to 5:00 p.m., at the Southwest Florida Water Management District 170 Century Boulevard, Bartow, Florida 33830-7700.

**NOTICE OF RIGHTS**

Any person whose substantial interests are affected by the District's action regarding this permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), and Chapter 28-106, Florida Administrative Code (F.A.C.), of the Uniform Rules of Procedure. *A request for hearing must (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or final action; (2) state all material facts disputed by each person requesting the hearing or state that there are no disputed facts; and (3) otherwise comply with Chapter 28-106, F.A.C.* A request for hearing must be filed with and received by the Agency Clerk of the District at the District's Brooksville address, 2379 Broad Street, Brooksville, FL 34604-6899 within 21 days of publication of this notice (or within 14 days for an Environmental Resource Permit with Proprietary Authorization for the use of Sovereign Submerged Lands). Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Sections 120.569 and 120.57, F.S.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the District's final action may be different from the position taken by it in this notice of final agency action. Persons whose substantial interests will be affected by any such final decision of the District on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's final action in this matter is not available prior to the filing of a request for hearing.

Ronald Wilson, PE  
Engineers of Central Florida, Inc.  
700 Overlook Drive  
Winter Haven, FL 33884

Tree-O Groves Inc.  
P.O. Box 937  
Lake Alfred, FL 33850



# Southwest Florida Water Management District

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Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

November 10, 2010

Polk County Board of County Commissioners  
P.O. Box 9005, Drawer PW02  
Bartow, FL 33831

Subject: **Notice of Final Agency Action for Approval**  
Environmental Resource Noticed General Permit  
Project Name: Old Polk City Road  
App ID/Permit No: 640377 / 47040155.000  
County: POLK  
Expiration Date: October 12, 2015  
Sec/Twp/Rge: 8/27S/26E, 3/27S/25E, 25/26S/25E, 30/26S/26E, 6/27S/26E,  
31/26S/26E, 29/26S/26E, 11/27S/25E, 32/26S/26E,  
1/27S/25E, 17/27S/26E, 7/27S/26E, 9/27S/26E, 36/26S/25E,  
2/27S/25E, 4/27S/26E, 18/27S/26E, 12/27S/25E,  
35/26S/25E, 5/27S/26E

Dear Permittee(s):

The District acknowledges your intent to use a Noticed General permit for the project referenced above. Plans and information received will be kept on file in the Tampa Service Office in support of this determination. The proposed construction must be completed before the expiration date indicated above. This permit includes approved construction drawings. These drawings are part of the permit and are available for viewing or downloading at [www.watermatters.org](http://www.watermatters.org).

The proposed construction is subject to the Rules of the Southwest Florida Water Management District, Chapter 40D-400, general conditions of Rule 40D-400.215 (Exhibit A enclosed), Subsections 62-4.242 (1)(a) & (b), (2), and (3), Rule 62-302.300, Florida Administrative Code (F.A.C.); and the specific condition of Subsection (FAC 62-341.448), which is enclosed.

Deviations from these conditions may subject you to enforcement action and possible penalties. You are responsible for conducting construction in a manner which satisfies all criteria. Be advised that general Condition Number 6 states that the Permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

Final approval is contingent upon no objection to the District's action being received by the District within the time frames described below.

You or any person whose substantial interests are affected by the District's action regarding a permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), and Chapter 28-106, F.A.C., of the Uniform Rules of Procedure. A request for hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no disputed facts, and (3) otherwise comply with Chapter 28-106, F.A.C. Copies of Sections 28-106.201 and 28-106.301, F.A.C. are enclosed for reference. A request for hearing must be filed with (received by) the Agency Clerk of the District at the District's Brooksville address within 21 days of receipt of this notice. Receipt is deemed to be the fifth day after the date on which this

notice is deposited in the United States mail. Failure to file a request for hearing within this time period shall constitute a waiver of any right you or such person may have to request a hearing under Sections 120.569 and 120.57, F.S. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's action in this matter is not available prior to the filing of a request for hearing.

Enclosed is a "Noticing Packet" that provides information regarding District Rule, 40D-1.1010, F.A.C., which addresses the notification of persons whose substantial interests may be affected by the District's action in this matter. The packet contains guidelines on how to provide notice of the District's action, and a notice that you may use.

If you have questions, please contact Kyle Morel, at the Tampa Service Office, extension 2048.

Sincerely,

**Alba E. Más, P.E.**

Authorized Signature  
Director, Tampa Regulation Department

Enclosures: Rule (FAC 62-341.448), F.A.C.  
Exhibit A  
Notice of Authorization to Commence Construction  
Notice of Packet (42.00-039)  
Section 28-106.201 and 28-106.301, F.A.C.

cc: LAURIE HAYES PE



**Specific Condition(s): (FAC 62-341.448)**

1. A general permit is hereby granted to counties and municipalities to pave existing county or municipally owned and maintained roads that lack a permanent pavement surface, such as concrete or asphalt. This includes: the repair and stabilization of such roads in preparation of paving; the repair or replacement of bridges and culverts that are part of the roadway; construction or alteration of associated stormwater management systems; other work reasonably necessary to pave the road; and the construction, alteration, operation, and maintenance of systems and works authorized under this general permit, provided all of the terms and conditions below are met. However, within the geographic area of the Northwest Florida Water Management District, the general permit shall only be applicable to municipalities.
  - (1) The existing road and any associated bridges:
    - (a) Must have been constructed prior to January 1, 2002, and in continuous use as a county or municipally owned and maintained road (including any associated bridge or bridges) thereafter. For the purposes of this general permit, county or municipal ownership shall include roads that have been presumed to be dedicated in accordance with Section 95.361, F.S.; and
    - (b) Must not: be located in, on, or over; directly discharge to; or significantly degrade Outstanding Florida Waters.
  - (2) The proposed road and any bridge work, together:
    - (a) Must not exceed two traffic lanes;
    - (b) Must not expand the number of existing traffic lanes, except that any single-lane bridges may be widened to two travel lanes, provided the bridge widening does not exceed that reasonably necessary to connect the bridge with the road being paved;
    - (c) Must not result in a total paved roadway surface (including travel lanes, safety shoulders, and bike paths) that is more than 32 feet wide, or 36 feet wide for bridges;
    - (d) Must be constructed, operated, and maintained within roadway and bridge right-of-way owned by the county or municipality, including where ownership is through presumed dedication in accordance with Section 95.361, F.S.;
    - (e) Must not realign the roadway;
    - (f) Must not involve any more dredging or filling of wetlands or other surface waters than is reasonably necessary to prepare the roadway for paving, including all work to repair, extend, or replace any culverts, other drainage structures, and bridges associated with the roadway, and to construct or reconfigure surface water management systems associated with the paving. However, the amount of such dredging and filling, both temporary and permanent, must not impact more than 0.5 acre of wetlands and other surface waters for a total and complete project, with the allowance of an additional 0.5 acre of work in roadside ditches constructed through uplands. A "total and complete project" shall consist of the total amount of work needed to pave, and prepare for paving, all unpaved segments of a single named or numbered (county or state road number) roadway. The sum of all wetland and other surface water impacts associated with phases of paving the named or numbered roadway must not exceed the above acreage limits. However, the total acreage limits for this general permit shall not include work conducted to prepare the roadway for paving when the preparation is done in accordance with:
      1. All the terms and conditions of routine custodial maintenance;
      2. An exemption adopted under Part IV of Chapter 373, F.S.;
      3. An exemption contained in Section 403.813(1), F.S.; or
      4. Any other general permit adopted under Part IV of Chapter 373, F.S.
    - (g) Must not adversely affect wetlands or other surface waters outside of the footprint of any dredging and filling;
    - (h) Must not reduce existing water conveyance or treatment capacity or adversely affect existing offsite drainage patterns;
    - (i) Must not cause adverse upstream or downstream flooding or drainage;
    - (j) Must not adversely affect receiving waters; and
    - (k) Must not be within the footprint of an approved Comprehensive Everglades Restoration Project boundary; if a final boundary has not been selected, the boundary from Chapter 9 of the *Central and Southern Florida Project Comprehensive Review Study Final Integrated Feasibility Report and Programmatic Environmental*

*Impact Statement*, U.S. Army Corps of Engineers and South Florida Water Management District, April 1999, which is hereby incorporated by reference, shall be used to define the approved boundary.

(3) Activities conducted under this general permit must comply with the general conditions for general permits contained in Rule 62-341.215, F.A.C., and all the specific conditions in paragraphs (a) through (k) below.

(a) Roadside swales, establishment of permanent vegetative cover, or other effective means of stormwater management within the right-of-way must be incorporated into the project, and must be designed, constructed, operated and maintained to prevent increases in pollution loading or changes in the point of discharge that can cause adverse impacts to receiving waters or offsite property.

(b) No debris from the removal of existing roadway, bridge, culvert, and other surface water management features shall be placed within wetlands or other surface waters.

(c) Creosote must not be a component of any pilings, pile jackets, headwalls, bulkheads, or other structural components used in roadway, bridge, culvert, or other surface water management structures.

(d) Any bridge or culvert must not cross a stream or other watercourse having a drainage area upstream of the work of more than ten (10) square miles.

(e) Bridges and other water conveyance features must be designed, constructed, operated, and maintained to convey normal flows and overtopping during a 25-year, 24-hour storm event.

(f) Best management practices for erosion and sediment control must be used to prevent water quality violations during and after construction. These shall include a construction-phase water management and erosion control plan that is designed and implemented to include site-specific measures adapted from practices and procedures described in the following publications that are adopted herein and incorporated by reference:

1. The guidelines set forth in Chapter 6 of *The Florida Development Manual: A Guide to Sound Land and Water Management*, Vol. II, Florida Department of Environmental Regulation, June 1988; and

2. The provisions set forth in *The Florida Stormwater, Erosion, and Sediment Control Inspector's Manual*, Florida Department of Environmental Protection and Florida Department of Transportation, Fifth Impression, June 2005.

(g) Temporary or permanent vegetative cover must be established on both sides of the pavement within the road right-of-way and along water conveyances as soon as practicable, but in no case more than seven (7) days after construction activities have ceased in portions of the site where construction activities have temporarily or permanently ceased.

(h) Activities conducted and authorized by this permit must be operated and maintained by the county or municipality for the life of the system.

(i) This general permit does not constitute a Works of the District permit from a water management district, nor obviate the need for obtaining such a permit where required by a water management district.

(j) Applicants are advised that drawings, any submitted construction plans, and supporting calculations must be signed, sealed, and dated by an appropriate registered professional in accordance with Sections 373.117 and 403.0877, F.S., and Chapters 471, 472, 481, or 492, F.S., when the design of the system requires the services of such registered professional. For purposes of this rule, an "appropriate registered professional" means a professional registered in Florida with the necessary expertise in the fields of hydrology, drainage, flood control, erosion and sediment control, and stormwater pollution control to design and certify stormwater management systems. Examples of appropriate registered professionals are professional engineers licensed under Chapter 471, F.S., professional landscape architects licensed under Chapter 481, F.S., professional surveyors and mappers licensed under Chapter 472, F.S., and professional geologists licensed under Chapter 492, F.S.

(k) The performance of routine custodial maintenance of structures and activities within the roadway alignment, such as replacement of culverts in kind to their former size, grade, and elevation, and the performance of activities qualifying for an exemption under Part IV of Chapter 373 or Section 403.813(1), F.S., such as maintenance of ditches and swales to prior design specifications in accordance with Section 403.813(1)(g) or (j), F.S., or under other general permits adopted under Part IV of Chapter 373, F.S., may be conducted to prepare the roadway for paving in advance of using this general permit, and any dredge and fill volumes associated with such work shall not be included within the limits established in paragraph (2)(f) of this general permit.

(4) In accordance with Section 403.813(1)(t), F.S., this general permit shall not require submittal of a fee and shall be binding on the Department, the Suwannee River Water Management District, the St. Johns River

Water Management District, the Southwest Florida Water Management District, and the South Florida Water Management District with no additional rulemaking by those Districts.

(5) Notices to use this general permit shall be submitted to the water management district established under Section 373.069, F.S., having regulatory jurisdiction over the geographic area in which the proposed project will be located using the form for noticing general permits for the applicable water management district as adopted in Rule 40B-1.901(13), 40C-4.900(1), 40D-1.659, or 40E-1.659, F.A.C. In addition to the information required on those forms, this notice must also include the materials required in paragraph (5)(a) or (b), below.

(a) For roads that are not subject to overtopping by a one percent-chance storm event and do not require: any fill to elevate the roadway (other than the base and pavement up to a maximum height of eight (8) inches, and sub-base work provided there is no net addition of fill); any grading of side slopes; any alteration, expansion, or modification of drainage structures and bridges; any work in wetlands or other surface waters; or more than minor shoulder work to level the shoulders to meet the new pavement:

1. A project description that describes the work to be done, including a statement signed by the responsible official in the county or municipality that the proposed activity will comply with the limitations in paragraph (5)(a) herein, and all the other terms and conditions of this general permit;
2. A location map in sufficient detail to enable persons who are unfamiliar with the site to find the road to be paved, including the beginning and ending limits of the proposed activity;
3. A fully dimensioned or scaled plan view, and fully dimensioned or scaled cross sectional views that clearly depict and distinguish the road right-of-way and the footprint of existing and proposed work at typical sections, including the width, height, and slopes of existing and proposed grades; thickness of sub-base, base, and pavement layers; and shoulder work; and
4. A copy of a Federal Emergency Management Agency flood insurance rate map or a map signed and sealed by an appropriate registered professional that demonstrates that the road segments to be paved are not subject to overtopping by a one percent-chance storm event.

(b) For all other roads to be paved under this general permit:

1. All the information requested in paragraph (5)(a) above, plus a summary of the total amount of proposed dredging and filling in wetlands or other surface waters (in square feet or acreage);
2. A fully dimensioned or scaled plan view that clearly depicts and distinguishes all areas of proposed dredging and filling, the limits of proposed surface water management systems, and the location of all culverts, other drainage structures, and bridges that are proposed to be altered;
3. Fully dimensioned or scaled cross sections that clearly depict and distinguish dredging and filling at typical sections, including at culvert, other drainage system, and bridge modifications;
4. Fully dimensioned or scaled typical cross sections of surface water management system alterations;
5. An erosion and sedimentation control plan demonstrating compliance with the provisions of paragraphs (3)(f) and (g) of this general permit; and
6. If design of the project requires the services of an appropriate registered professional in accordance with Sections 373.117 and 403.0877, F.S., and Chapter 471, 472, 481, or 492, F.S., all supporting drawings, materials, statements, construction plans, and calculations that are required to be signed, sealed, and dated by the registered professional.

(c) Notice to use this general permit is not required for subsequent routine custodial maintenance activities that may be required to the systems authorized under this general permit.

(6) Projects that have previously qualified under the exemption in Section 403.813(1)(t), F.S., following notice to the Department or water management district, but have not been fully implemented as of the effective date of this general permit, are authorized under this general permit to be completed under the terms of that exemption until February 22, 2008.

*Specific Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.414(9), 373.4145, 373.418, 403.805(1), 403.813(1)(t) FS. Law Implemented 373.118(1), 373.406(5), 373.413, 373.414(9), 373.4145, 373.416, 373.418, 373.419, 403.813(1)(t) FS. History-New 2-22-07, Amended 10-1-07.*

## EXHIBIT A

### GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this section are binding upon the Permittee for all noticed general permits in this chapter. These conditions are enforceable under part IV of Chapter 373, F.S.
2. The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. A violation of the permit is a violation of part IV of Chapter 373, F.S., and may result in suspension or revocation of the Permittee's right to conduct such activity under the general permit. The District may also begin legal proceedings seeking penalties or other remedies as provided by law for any violation of these conditions.
3. This general permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.
4. This general permit does not convey to the Permittee or create in the Permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the Permittee, or convey any rights or privileges other than those specified in the general permit and this chapter.
5. This general permit does not relieve the Permittee from liability and penalties when the permitted activity causes harm or injury to human health or welfare; animal, plant or aquatic life; or property. It does not allow the Permittee to cause pollution in contravention of Florida Statutes and District rules.
6. The Permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the Permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state owned lands.
7. The Board may modify or revoke the authorization to conduct activities pursuant to this noticed general permit at any time if it determines that a stormwater management system, dam, impoundment, reservoir, appurtenant work, or works has become a danger to the public health or safety of its operation has become inconsistent with the objectives of the District or is in violation of any rule or order of the District, or the provisions of this noticed general permit.
8. This permit shall not be transferred to a third party except pursuant to section 40D-4.351, F.A.C. The Permittee transferring the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located.
9. Upon reasonable notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to insure conformity with the plans and specifications approved by the permit.
10. The Permittee shall maintain any permitted system in accordance with the plans submitted and authorized by this permit.
11. A Permittee's right to conduct a specific activity under this noticed general permit is authorized for duration

of five years.

12. Construction, alteration, operation, maintenance, removal and abandonment approved by this general permit shall be conducted in a manner which does not cause violations of state water quality standards, including any antidegradation provisions of sections 62-4.242(1)(a) and (b), 62-4.242(2) and (3), and 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters. The Permittee shall implement best management practices for erosion, turbidity, and other pollution control to prevent violation of state water quality standards. Temporary erosion control measures such as sodding, mulching, and seeding shall be implemented and shall be maintained on all erodible ground areas prior to and during construction. Permanent erosion control measures such as sodding and planting of wetland species shall be completed within seven days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into wetlands or surface waters exists due to the permitted activity. Turbidity barriers shall remain in place and shall be maintained in a functional condition at all locations until construction is completed, soils are stabilized and vegetation has been established. Thereafter the Permittee shall be responsible for the removal of the barriers. The Permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
13. The Permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the general permit.
14. The Permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

SOUTHWEST FLORIDA  
WATER MANAGEMENT DISTRICT

**NOTICE OF  
AUTHORIZATION  
TO COMMENCE CONSTRUCTION**

Old Polk City Road  
PROJECT NAME

Government

PROJECT TYPE

POLK

COUNTY

8/27S/26E...  
See Permit for additional STR listings

SEC(S)/TWP(S)/RGE(S)

Polk County Board of County Commissioners

PERMITTEE

APPLICATION ID/PERMIT NO: 640377 / 47040155.000

DATE ISSUED: November 10, 2010



Alba E. Más, P.E.

Issuing Authority

**THIS NOTICE SHOULD BE CONSPICUOUSLY  
DISPLAYED AT THE SITE OF THE WORK**

**PART II HEARINGS INVOLVING  
DISPUTED ISSUES OF MATERIAL FACT**

**28-106.201 Initiation of Proceedings.**

(1) Unless otherwise provided by statute, initiation of proceedings shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document that requests an evidentiary proceeding and asserts the existence of a disputed issue of material fact. Each petition shall be legible and on 8 ½ by 11 inch white paper. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced.

(2) All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

(3) Upon receipt of a petition involving disputed issues of material fact, the agency shall grant or deny the petition, and if granted shall, unless otherwise provided by law, refer the matter to the Division of Administrative Hearings with a request that an administrative law judge be assigned to conduct the hearing. The request shall be accompanied by a copy of the petition and a copy of the notice of agency action.

(4) A petition shall be dismissed if it is not in substantial compliance with subsection (2) of this rule or it has been untimely filed. Dismissal of a petition shall, at least once, be without prejudice to petitioner's filing a timely amended petition curing the defect, unless it conclusively appears from the face of the petition that the defect cannot be cured.

(5) The agency shall promptly give written notice to all parties of the action taken on the petition, shall state with particularity its reasons if the petition is not granted, and shall state the deadline for filing an amended petition if applicable.

*Specific Authority 120.54(3), (5) F.S. Law Implemented 120.54(5), 120.569, 120.57 F.S. History-New 4-1-97, Amended 9-17-98.*

**PART III PROCEEDINGS AND HEARINGS  
NOT INVOLVING DISPUTED ISSUES OF  
MATERIAL FACT**

**28-106.301 Initiation of Proceedings**

(1) Initiation of a proceeding shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document which requests a proceeding. Each petition shall be legible and on 8 ½ by 11 inch white paper or on a form provided by the agency. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced.

(2) All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(e) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and

(f) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

(3) If the petition does not set forth disputed issues of material fact, the agency shall refer the matter to the presiding officer designated by the agency with a request that the matter be scheduled for a proceeding not involving disputed issues of material fact. The request shall be accompanied by a copy of the petition and a copy of the notice of agency action.

(4) A petition shall be dismissed if it is not in substantial compliance with subsection (2) of this Rule or it has been untimely filed. Dismissal of a petition shall, at least once, be without prejudice to petitioner's filing a timely amended petition curing the defect, unless it conclusively appears from the face of the petition that the defect cannot be cured.

(5) The agency shall promptly give written notice to all parties of the action taken on the petition, shall state with particularity its reasons if the petition is not granted, and shall state the deadline for filing an amended petition if applicable.

*Specific Authority 120.54(5) F.S. Law Implemented 120.54(5), 120.569, 120.57 F.S. History-New 4-1-97, Amended 9-17-98.*



An Equal  
Opportunity  
Employer

# Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: WaterMatters.org

#### Bartow Service Office

170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

#### Sarasota Service Office

6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

#### Tampa Service Office

7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

## NOTICING PACKET PUBLICATION INFORMATION

### PLEASE SEE THE NEXT PAGE OF THIS NOTICE FOR A LIST OF FREQUENTLY ASKED QUESTIONS (FAQ)

The District's action regarding the issuance or denial of a permit, a petition or qualification for an exemption only becomes closed to future legal challenges from members of the public ("third parties"), if 1.) "third parties" have been properly notified of the District's action regarding the permit or exemption, and 2.) no "third party" objects to the District's action within a specific period of time following the notification.

Notification of "third parties" is provided through publication of certain information in a newspaper of general circulation in the county or counties where the proposed activities are to occur. Publication of notice informs "third parties" of their right to challenge the District's action. If proper notice is provided by publication, "third parties" have a 21-day time limit in which to file a petition opposing the District's action. A shorter 14-day time limit applies to District action regarding Environmental Resource Permits linked with an authorization to use Sovereign Submerged Lands. However, if no notice to "third parties" is published, there is no time limit to a party's right to challenge the District's action. The District has not published a notice to "third parties" that it has taken or intends to take final action on your application. If you want to ensure that the period of time in which a petition opposing the District's action regarding your application is limited to the time frames stated above, you may publish, at your own expense, a notice in a newspaper of general circulation. A copy of the Notice of Agency Action the District uses for publication and guidelines for publishing are included in this packet.

#### Guidelines for Publishing a Notice of Agency Action

1. Prepare a notice for publication in the newspaper. The District's Notice of Agency Action, included with this packet, contains all of the information that is required for proper noticing. However, you are responsible for ensuring that the form and **the** content of your notice comply with the applicable statutory provisions.
2. Your notice must be published in accordance with Chapter 50, Florida Statutes. A copy of the statute is enclosed.
3. Select a newspaper that is appropriate considering the location of the activities proposed in your application, and contact the newspaper for further information regarding their procedures for publishing.
4. You only need to publish the notice for one day.
5. Obtain an "affidavit of publication" from the newspaper after your notice is published.
6. Immediately upon receipt send the **ORIGINAL** affidavit to the District at the address below, for the file of record. **Retain a copy of the affidavit for your records.**

Southwest Florida Water Management District  
Records and Data Supervisor  
2379 Broad Street  
Brooksville, Florida 34604-6899

**Note:** If you are advertising a notice of the District's proposed action, and the District's final action is different, publication of an additional notice may be necessary to prevent future legal challenges. If you need additional assistance, please contact us at ext. 4360, at the Brooksville number listed above. **(Your question may be on the FAQ list).**



## **FAQ ABOUT NOTICING**

1. **Q.** Do I have to do this noticing, and what is this notice for?  
**A.** You do not have to do this noticing. You need to publish a notice if you want to ensure that a "third party" cannot challenge the District's action on your permit, exemption, or petition at some future date. If you choose not to publish, there is no time limit to a third party's right to challenge the District's action.
  
2. **Q.** What do I need to send to the newspaper?  
**A.** The enclosed one page notice form entitled "Notice of Final Agency Action (or Proposed Agency Action) By The Southwest Florida Water Management District." You must fill in the blanks before sending it.
  
3. **Q.** Do I have to use the notice form, or can I make up my own form?  
**A.** You do not have to use our form. However, your notice must contain all information that is in the form.
  
4. **Q.** Do I send the newspaper the whole form (one page) or just the top portion that has blanks?  
**A.** Send the full page form which includes the NOTICE OF RIGHTS section on the bottom half.
  
5. **Q.** The section 50.051, F.S. (enclosed) proof of publication form of uniform affidavit has blanks in the text. Do I fill in these blanks and send that to the newspaper?  
**A.** No. That section shows the affidavit the newspaper will send you. They will fill in the blanks.
  
6. **Q.** If someone objects, is my permit or exemption no good?  
**A.** If you publish a notice and a "third party" files a request for administrative hearing within the allotted time, the matter is referred to an administrative hearing. While the case is pending, generally, you may not proceed with activities under the challenged agency action. When the hearing is complete, the administrative law judge's (ALJ) recommendation is returned to the District Governing Board, and the Governing Board will take final action on the ALJ's recommendation. There is no time limit for a "third party" to object and file a request for administrative hearing if you do not publish a notice.

## CHAPTER 50, FLORIDA STATUTES

### LEGAL AND OFFICIAL ADVERTISEMENTS

<a href="#">50.011</a>	Where and in what language legal notices to be published.
<a href="#">50.021</a>	Publication when no newspaper in county.
<a href="#">50.031</a>	Newspapers in which legal notices and process may be published.
<a href="#">50.041</a>	Proof of publication; uniform affidavits required.
<a href="#">50.051</a>	Proof of publication; form of uniform affidavit.
<a href="#">50.061</a>	Amounts chargeable.
<a href="#">50.0711</a>	Court docket fund; service charges; publications.

#### **50.011 Where and in what language legal notices to be published.-**

Whenever by statute an official or legal advertisement or a publication, or notice in a newspaper has been or is directed or permitted in the nature of or in lieu of process, or for constructive service, or in initiating, assuming, reviewing, exercising or enforcing jurisdiction or power, or for any purpose, including all legal notices and advertisements of sheriffs and tax collectors, the contemporaneous and continuous intent and meaning of such legislation all and singular, existing or repealed, is and has been and is hereby declared to be and to have been, and the rule of interpretation is and has been, a publication in a newspaper printed and published periodically once a week or oftener, containing at least 25 percent of its words in the English language, entered or qualified to be admitted and entered as periodicals matter at a post office in the county where published, for sale to the public generally, available to the public generally for the publication of official or other notices and customarily containing information of a public character or of interest or of value to the residents or owners of property in the county where published, or of interest or of value to the general public.

**History.**--s. 2, ch. 3022, 1877; RS 1296; GS 1727; s. 1, ch. 5610, 1907; RGS 2942; s. 1, ch. 12104, 1927; CGL 4666, 4901; s. 1, ch. 63-387; s. 6, ch. 67-254; s. 21, ch. 99-2.

**Note.**--Former s. 49.01.

#### **50.021 Publication when no newspaper in county.**

When any law, or order or decree of court, shall direct advertisements to be made in any county and there be no newspaper published in the said county, the advertisement may be made by posting three copies thereof in three different places in said county, one of which shall be at the front door of the courthouse, and by publication in the nearest county in which a newspaper is published.

**History.**--RS 1297; GS 1728; RGS 2943; CGL 4667; s. 6, ch. 67-254.

**Note.**--Former s. 49.02.

#### **50.031 Newspapers in which legal notices and process may be published.**

No notice or publication required to be published in a newspaper in the nature of or in lieu of process of any kind, nature, character or description provided for under any law of the state, whether heretofore or hereafter enacted, and whether pertaining to constructive service, or the initiating, assuming, reviewing, exercising or enforcing jurisdiction or power, by any court in this state, or any notice of sale of property, real or personal, for taxes, state, county or municipal, or sheriff's, guardian's or administrator's or any sale made pursuant to any judicial order, decree or statute or any other publication or notice pertaining to any affairs of the state, or any county, municipality or other political subdivision thereof, shall be deemed to have been published in accordance with the statutes providing for such publication, unless the same shall have been published for the prescribed period of time required for such publication, in a newspaper which at the time of such publication shall have been in existence for 1 year and shall have been entered as periodicals matter at a post office in the county where published, or in a newspaper which is a direct successor of a newspaper which together have been so published; provided, however, that nothing herein contained shall apply where in any county there shall be no newspaper in existence which shall have been published for the length of time above prescribed. No legal publication of any kind, nature or description, as herein defined, shall be valid or binding or held to be in compliance with the statutes providing for such publication unless the same shall have been published in accordance with the provisions of this section. Proof of such publication shall be made by uniform affidavit.

**History.**--ss. 1-3, ch. 14830, 1931; CGL 1936 Supp. 4274(1); s. 7, ch. 22858, 1945; s. 6, ch. 67-254; s. 1, ch. 74-221.

**Note.**--Former s. 49.03.

#### **50.041 Proof of publication; uniform affidavits required.**

(1) All affidavits of publishers of newspapers (or their official representatives) made for the purpose of establishing proof of publication of public notices or legal advertisements shall be uniform throughout the state.

(2) Each such affidavit shall be printed upon white bond paper containing at least 25 percent rag material and shall be 8 1/2 inches in width and of convenient length, not less than 5 1/2 inches. A white margin of not less than 2 1/2 inches shall be left at the right side of each affidavit form and upon or in this space shall be substantially pasted a clipping which shall be a true copy of the public notice or legal advertisement for which proof is executed.

(3) In all counties having a population in excess of 450,000 according to the latest official decennial census, in addition to the charges which are now or may hereafter be established by law for the publication of every official notice or legal advertisement, there may be a charge not to exceed \$2 for the preparation and execution of each such proof of publication or publisher's affidavit.

**History.**--s. 1, ch. 19290, 1939; CGL 1940 Supp. 4668(1); s. 1, ch. 63-49; s. 26, ch. 67-254; s. 1, ch. 76-58.

**Note.**--Former s. 49.04.

#### **50.051 Proof of publication; form of uniform affidavit.-**

The printed form upon which all such affidavits establishing proof of publication are to be executed shall be substantially as follows:

NAME OF NEWSPAPER  
Published (Weekly or Daily)  
(Town or City) (County) FLORIDA

STATE OF FLORIDA

COUNTY OF \_\_\_\_\_:

Before the undersigned authority personally appeared \_\_\_\_\_, who on oath says that he or she is \_\_\_\_\_ of the \_\_\_\_\_, a \_\_\_\_\_ newspaper published at \_\_\_\_\_ in \_\_\_\_\_ County, Florida; that the attached copy of advertisement, being a \_\_\_\_\_ in the matter of \_\_\_\_\_ in the \_\_\_\_\_ Court, was published in said newspaper in the issues of \_\_\_\_\_.

Affiant further says that the said \_\_\_\_\_ is a newspaper published at \_\_\_\_\_, in said \_\_\_\_\_ County, Florida, and that the said newspaper has heretofore been continuously published in said \_\_\_\_\_ County, Florida, each \_\_\_\_\_ and has been entered as periodicals matter at the post office in \_\_\_\_\_, in said \_\_\_\_\_ County, Florida, for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he or she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, (year)\_\_\_\_, by \_\_\_\_\_, who is personally known to me or who has produced (type of identification) as identification.

\_\_\_\_\_(Signature of Notary Public)\_\_\_\_\_

\_\_\_\_\_(Print, Type, or Stamp Commissioned Name of Notary Public)\_\_\_\_\_

\_\_\_\_\_(Notary Public)\_\_\_\_\_

**History.**-s. 2, ch. 19290, 1939; CGL 1940 Supp. 4668(2); s. 6, ch. 67-254; s. 1, ch. 93-62; s. 291, ch. 95-147; s.23, ch 99-2; s. 3, ch. 99-6.

**Note.**-Former s. 49.05.

**50.061 Amounts chargeable.-**

(1) The publisher of any newspaper publishing any and all official public notices or legal advertisements shall charge therefore the rates specified in this section without rebate, commission or refund.

(2) The charge for publishing each such official public notice or legal advertisement shall be 70 cents per square inch for the first insertion and 40 cents per square inch for each subsequent insertion, except that:

(a) In all counties having a population of more than 304,000 according to the latest official decennial census, the charge for publishing each such official public notice or legal advertisement shall be 80 cents per square inch for the first insertion and 60 cents per square inch for each subsequent insertion.

(b) In all counties having a population of more than 450,000 according to the latest official decennial census, the charge for publishing each such official public notice or legal advertisement shall be 95 cents per square inch for the first insertion and 75 cents per square inch for each subsequent insertion.

(3) Where the regular established minimum commercial rate per square inch of the newspaper publishing such official public notices or legal advertisements is in excess of the rate herein stipulated, said minimum commercial rate per square inch may be charged for all such legal advertisements or official public notices for each insertion, except that a governmental agency publishing an official public notice or legal advertisement may procure publication by soliciting and accepting written bids from newspapers published in the county, in which case the specified charges in this section do not apply.

(4) All official public notices and legal advertisements shall be charged and paid for on the basis of 6-point type on 6-point body, unless otherwise specified by statute.

(5) Any person violating a provision of this section, either by allowing or accepting any rebate, commission, or refund, commits a misdemeanor of the second degree, punishable as provided in s. [775.082](#) or s. [775.083](#).

(6) Failure to charge the rates prescribed by this section shall in no way affect the validity of any official public notice or legal advertisement and shall not subject same to legal attack upon such grounds.

**History.**-s. 3, ch. 3022, 1877; RS 1298; GS 1729; RGS 2944; s. 1, ch. 12215, 1927; CGL 4668; ss. 1, 2, 2A, 2B, ch. 20264, 1941; s. 1, ch. 23663, 1947; s. 1, ch. 57-160; s. 1, ch. 63-50; s. 1, ch. 65-569; s. 6, ch. 67-254; s. 15, ch. 71-136; s. 35, ch. 73-332; s. 1, ch. 90-279.

**Note.**-Former s. 49.06.

**50.0711 Court docket fund; service charges; publications.-**

(1) The clerk of the court in each county may establish a court docket fund for the purpose of paying the cost of publication of the fact of the filing of any civil case in the circuit court of the county by the style and of the calendar relating to such cases. This court docket fund shall be funded by \$1 mandatory court cost for all civil actions, suits, or proceedings filed in the circuit court of the county. The clerk shall maintain such funds separate and apart, and the proceeds from this court cost shall not be diverted to any other fund or for any purpose other than that established in this section. The clerk of the court shall dispense the fund to the designated record newspaper in the county on a quarterly basis.

(2) A newspaper qualified under the terms of s. 50.011 shall be designated as the record newspaper for such publication by an order of the majority of the judges in the judicial circuit in which such county is located, and such order shall be filed and recorded with the clerk of the circuit court for such county. The designated record newspaper may be changed at the end of any fiscal year of the county by a majority vote of the judges of the judicial circuit of the county ordering such change 30 days prior to the end of the fiscal year, notice of which order shall be given to the previously designated record newspaper.

(3) The publishers of any designated record newspapers receiving payment from this court docket fund shall publish, without additional charge, the fact of the filing of any civil case, suit, or action filed in such county in the circuit. Such publication shall be in accordance with a schedule agreed upon between the record newspaper and the clerk of the court in such county.

(4) The publishers of any designated record newspapers receiving revenues from the court docket fund established in subsection (1) shall, without charge, accept legal advertisements for the purpose of service of process by publication under s. 49.011(4), (10), and (11) when such publication is required of persons authorized to proceed as indigent persons under s. 57.081.

**History.**--s. 46, ch. 2004-265.

**NOTICE OF FINAL AGENCY ACTION BY  
THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT**

Notice is given that the District's Final Agency Action is approval of the ERP NOTICED GENERAL on 9.27 acres to serve COUNTY, STATE, CITY known as Old Polk City Road. The project is located in POLK County, Section/Township/Range 8/27S/26E, 3/27S/25E, 25/26S/25E, 30/26S/26E, 6/27S/26E, 31/26S/26E, 29/26S/26E, 11/27S/25E, 32/26S/26E, 1/27S/25E, 17/27S/26E, 7/27S/26E, 9/27S/26E, 36/26S/25E, 2/27S/25E, 4/27S/26E, 18/27S/26E, 12/27S/25E, 35/26S/25E, 5/27S/26E. The permit applicant is Polk County Board of County Commissioners who address is P.O. Box 9005, Drawer PW02 Bartow, FL 33831. The permit No. is 47040155.000.

The file(s) pertaining to the project referred to above is available for inspection Monday through Friday except for legal holidays, 8:00 a.m. to 5:00 p.m., at the Southwest Florida Water Management District 7601 Highway 301 North, Tampa, Florida 33637-6739.

**NOTICE OF RIGHTS**

Any person whose substantial interests are affected by the District's action regarding this permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), and Chapter 28-106, Florida Administrative Code (F.A.C.), of the Uniform Rules of Procedure. *A request for hearing must (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or final action; (2) state all material facts disputed by each person requesting the hearing or state that there are no disputed facts; and (3) otherwise comply with Chapter 28-106, F.A.C.* A request for hearing must be filed with and received by the Agency Clerk of the District at the District's Brooksville address, 2379 Broad Street, Brooksville, FL 34604-6899 within 21 days of publication of this notice (or within 14 days for an Environmental Resource Permit with Proprietary Authorization for the use of Sovereign Submerged Lands). Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Sections 120.569 and 120.57, F.S.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the District's final action may be different from the position taken by it in this notice of final agency action. Persons whose substantial interests will be affected by any such final decision of the District on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's final action in this matter is not available prior to the filing of a request for hearing.

Polk County Board of County Commissioners  
P.O. Box 9005, Drawer PW02  
Bartow, FL 33831

LAURIE HAYES PE  
PO BOX 9005 DRAWER CS-10  
BARTOW, FL 33831

## **APPENDIX D: Pond Design Calculations**

Existing Time of Concentration Calculations

Pre-Conditions Curve Numbers

Post-Conditions Curve Numbers

Pond Design - Stage Storage Calculations

Existing Peace Creek Model Reports

Existing Polk City Model Reports

Proposed Peace Creek Model Reports

Proposed Polk City Model Reports

Pond 1A & 1B Recovery Analysis

Ponds 2 - 8 Recovery Analysis

## Existing Time of Concentration Calculations



SNM

CR-557 Widening  
Existing Conditions Peace Creek Model (Basins 1-3)  
Polk County, Florida

Sub-Area Time of Concentration Details

Sub-Area Identifier/	Flow Length (ft)	Slope (ft/ft)	Mannings's n	End Area (sq ft)	Wetted Perimeter (ft)	Velocity (ft/sec)	Travel Time (hr)
-----							
NB2070_3							
SHEET	28	0.1790	0.150				0.020
SHALLOW	1700	0.0011	0.050				0.882
					Time of Concentration		.902
							=====
NB2020_3							
SHEET	36	0.1960	0.150				0.024
SHALLOW	1885	0.0016	0.050				0.811
					Time of Concentration		.835
							=====
NB2050_3							
SHEET	16	0.1840	0.150				0.013
SHALLOW	1136	0.0080	0.050				0.219
					Time of Concentration		.232
							=====
NB2055_3							
SHEET	100	0.0050	0.150				0.233
SHALLOW	1132	0.0260	0.050				0.121
					Time of Concentration		.354
							=====
NB0030_2							
SHEET	100	0.0050	0.150				0.233
SHALLOW	1560	0.0240	0.050				0.173
					Time of Concentration		.406
							=====
NB2120_3							
SHEET	86	0.0120	0.150				0.146
SHALLOW	715	0.0530	0.050				0.053
					Time of Concentration		.199
							=====
NB0040_2							
SHEET	100	0.0150	0.150				0.150
SHALLOW	250	0.0160	0.025				0.027
SHALLOW	1050	0.0280	0.050				0.108
					Time of Concentration		.285
							=====
NB0023_2							
SHEET	100	0.0020	0.011				0.042
SHALLOW	312	0.0138	0.025				0.036
SHALLOW	503	0.0417	0.050				0.042
					Time of Concentration		.12
							=====

NIR

CR 557 Widening  
Existing Conditions  
Polk County, Florida

Sub-Area Time of Concentration Details

Sub-Area Identifier/	Flow Length (ft)	Slope (ft/ft)	Mannings's n	End Area (sq ft)	Wetted Perimeter (ft)	Velocity (ft/sec)	Travel Time (hr)
NHH81180_7							
SHEET	24	0.0920	0.150				0.023
SHALLOW	1034	0.0008	0.050				0.629
					Time of Concentration		.652
							=====
NHH8181_7							
SHEET	36	0.0700	0.150				0.036
SHALLOW	446	0.0020	0.050				0.172
					Time of Concentration		.208
							=====
NHH81181_7							
SHEET	100	0.0030	0.150				0.286
SHALLOW	41	0.0500	0.050				0.003
SHALLOW	972	0.0030	0.050				0.306
					Time of Concentration		.595
							=====
NHH8116_6							
SHEET	66	0.0300	0.150				0.082
SHALLOW	1596	0.0018	0.050				0.648
					Time of Concentration		0.730
							=====
NHH8117_5							
SHEET	88	0.0450	0.150				0.087
SHALLOW	2032	0.0015	0.050				0.903
					Time of Concentration		.99
							=====
NHH81173_4							
SHEET	88	0.0450	0.150				0.087
SHALLOW	867	0.0012	0.050				0.431
					Time of Concentration		.518
							=====
NHH81172_4							
SHEET	33	0.1060	0.150				0.028
SHALLOW	755	0.0026	0.050				0.255
					Time of Concentration		.283
							=====
NO14212_4							
SHEET	40	0.1750	0.150				0.027
SHALLOW	927	0.0010	0.050				0.505
					Time of Concentration		.532
							=====
NHH81171_5							

NIR

CR 557 Widening  
Existing Conditions  
Polk County, Florida

Sub-Area Time of Concentration Details (continued)

Sub-Area Identifier/	Flow Length (ft)	Slope (ft/ft)	Mannings's n	End Area (sq ft)	Wetted Perimeter (ft)	Velocity (ft/sec)	Travel Time (hr)
SHEET	100	0.0120	0.150				0.164
SHALLOW	250	0.0120	0.050				0.039
					Time of Concentration		.203 =====
NO14220_4							
SHEET	18	0.1390	0.150				0.016
SHALLOW	159	0.0019	0.050				0.063
					Time of Concentration		0.1 =====

## Pre-Condition Curve Numbers

<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NB0023_B2		<b>MADE BY:</b> NIR		12/20/22
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/20/22

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.59	57.82
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	0.20	7.80
<b>TOTALS</b>			<b>0.79</b>	<b>65.62</b>

<b>COMPOSITE CN</b>	<b>83.06</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NB0030_B2		<b>MADE BY:</b> NIR		12/20/22
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/20/22

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.65	63.70
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.49	58.11
<b>TOTALS</b>			<b>2.14</b>	<b>121.81</b>

<b>COMPOSITE CN</b>	<b>56.92</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NB0040_B1		<b>MADE BY:</b> NIR		7/11/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		7/11/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	4.68	458.64
Impervious areas; Streets & roads	A/D	98	0.43	42.14
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	6.93	270.27
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	0.20	16.00
Woods and Wetlands Combination	A	88	0.13	11.44
Woods and Wetlands Combination	A/D	97	0.34	32.98
Residential, Medium Density (Pond 1A Footprint)	A	57	0.92	52.44
Residential, Medium Density (Pond 1B Footprint)	A	57	1.36	77.67
Upland Hardwood Forest (Pond 2 Footprint)	A	36	2.98	107.42
Wet Prairies (Pond 2 Footprint)	A	98	0.02	2.29
Woods and Wetlands Combination (Pond 2 Footprint)	A	39	0.07	2.72
<b>ONSITE TOTALS</b>			<b>18.07</b>	<b>1074.02</b>

<b>OFFSITE AREA</b>				
Residential Low Density < 2 Dwelling Units	A	50	2.10	105.00
Residential, Medium Density	A	57	0.03	1.71
Institutional	A	69	0.01	0.69
Tree Crops	A	44	7.85	345.40
Nurseries and Vineyards	A	57	2.17	123.69
Other Open Lands <Rural>	A	30	2.30	69.00
<b>OFFSITE TOTALS</b>			<b>14.46</b>	<b>645.49</b>
<b>TOTALS</b>			<b>32.53</b>	<b>1719.51</b>

<b>COMPOSITE CN</b>	<b>52.86</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NB2020_B4		<b>MADE BY:</b> NIR		11/21/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		11/21/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	1.12	109.99
Impervious areas; Streets & roads	A/D	98	0.44	43.11
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A	39	2.45	95.62
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A/D	80	0.71	56.52
Woods and Wetland Combination	A/D	97	0.76	73.74
Wetland Forested (Pond 4 Footprint)	A	98	0.01	1.08
Residential Medium Density (Pond 4 Footprint)	A	57	1.45	82.91
<b>ONSITE TOTALS</b>			<b>6.95</b>	<b>462.96</b>
<b>OFFSITE AREA</b>				
Residential Low Density; < 2 Dwelling Units	A	50	1.56	77.94
Residential Medium Density; 2-5 Dwelling Units	A	57	2.66	151.42
Residential Medium Density; 2-5 Dwelling Units	A/D	84	0.18	15.10
<b>OFFSITE TOTALS</b>			<b>4.40</b>	<b>244.46</b>
<b>TOTALS</b>			<b>11.34</b>	<b>707.41</b>
<b>COMPOSITE CN</b>				<b>62.38</b>



<b>PROJECT TITLE:</b>	CR 557 Widening			
<b>BASIN DESIGNATION:</b>	NB2050_B3	<b>MADE BY:</b>	NIR	10/18/2022
<b>BASIN ANALYSIS (PRE/POST):</b>	PRE	<b>CHECKED BY:</b>	SVC	10/28/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.15	14.53
Impervious areas; Streets & roads	A/D	98	0.62	61.13
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A	39	0.70	27.47
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A/D	80	0.66	52.88
Woods and Wetlands Combination	A/D	97	0.46	44.14
Tree Crops (Pond 3 Footprint)	A	44	2.42	106.41
Tree Crops (Pond 3 Footprint)	A/D	82	0.79	65.12
Woods and Wetlands Combination (Pond 3 Footprint)	A	88	0.04	3.29
Woods and Wetlands Combination (Pond 3 Footprint)	A/D	97	0.70	68.33
<b>TOTALS</b>			<b>6.55</b>	<b>443.31</b>

<b>COMPOSITE CN</b>	<b>67.71</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NB2055_B3		<b>MADE BY:</b> NIR		10/18/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		10/28/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.38	37.24
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A	39	0.99	38.46
<b>TOTALS</b>			<b>1.37</b>	<b>75.70</b>

<b>COMPOSITE CN</b>	<b>55.41</b>
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<b>PROJECT TITLE:</b>	CR 557 Widening			
<b>BASIN DESIGNATION:</b>	NB2070_B4	<b>MADE BY:</b>	NIR	11/21/2022
<b>BASIN ANALYSIS (PRE/POST):</b>	PRE	<b>CHECKED BY:</b>	SVC	11/21/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	1.05	102.48
Impervious areas; Streets & roads	A/D	98	0.92	90.51
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A	39	2.63	102.64
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A/D	80	1.42	113.52
Woods and Wetland Combination	A/D	97	0.81	78.10
		<b>ONSITE TOTALS</b>	<b>6.83</b>	<b>487.26</b>
<b>OFFSITE AREA</b>				
Residential Medium Density; 2-5 Dwelling Units	A	57	12.81	730.42
Residential Medium Density; 2-5 Dwelling Units	A/D	86	2.59	223.15
Cropland and Pastureland	A	49	0.09	4.28
Other Open Lands	A	30	0.13	3.96
Other Open Lands	A/D	78	0.21	16.71
		<b>OFFSITE TOTALS</b>	<b>15.84</b>	<b>978.52</b>
		<b>TOTALS</b>	<b>22.67</b>	<b>1465.77</b>
		<b>COMPOSITE CN</b>		<b>64.66</b>

<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NB2120_B3		<b>MADE BY:</b> NIR		10/18/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		10/28/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	1.23	120.54
Impervious areas; Streets & roads	A/D	98	0.05	4.90
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	A	39	2.04	79.56
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	0.31	24.80
Woods and Wetlands Combination	A	88	0.22	19.36
			<b>ONSITE TOTALS</b>	<b>3.85</b>
<b>OFFSITE AREA</b>				
Residential Medium Density	A	57	2.15	122.55
			<b>OFFSITE TOTALS</b>	<b>2.15</b>
			<b>TOTALS</b>	<b>6.00</b>
				<b>COMPOSITE CN</b>
				<b>61.95</b>

<b>PROJECT TITLE:</b>	CR 557 Widening		
<b>BASIN DESIGNATION:</b>	NHH8116_B7	<b>MADE BY:</b>	NIR 12/29/2022
<b>BASIN ANALYSIS (PRE/POST):</b>	PRE	<b>CHECKED BY:</b>	SVC 12/29/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.59	58.22
Impervious areas; Streets & roads	*D	98	1.43	140.51
Woods and Wetlands Combination	A	88	0.28	24.54
Woods and Wetlands Combination	*D	97	5.47	530.75
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	2.03	79.04
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	1.23	98.20
<b>TOTALS</b>			<b>11.03</b>	<b>931.27</b>

\*Combined soils within the basin were assumed to be hydrologic group D

<b>COMPOSITE CN</b>	<b>84.41</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH8117_B6		<b>MADE BY:</b> NIR		12/01/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/01/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT	
Impervious areas; Streets & roads	A	98	0.39	38.70	
Impervious areas; Streets & roads	*D	98	2.80	274.23	
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	2.34	91.35	
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	B	61	0.68	41.23	
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	5.31	424.94	
Woods and Wetlands Combination (Roadway)	*D	98	12.78	1252.74	
Cropland and Pastureland (Pond Footprint)	A/D	84	2.91	244.16	
Wetland Forested Mix (Pond Footprint)	B/D	98	2.24	219.55	
*Combined soils within the roadway were assumed to be hydrologic group D			<b>TOTALS</b>	<b>29.45</b>	<b>2586.92</b>

<b>COMPOSITE CN</b>	<b>87.83</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH8181_B8		<b>MADE BY:</b> NIR		1/02/2023
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		1/02/2023

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	*D	98	0.26	25.44
Woods & Wetlands Combination	*D	97	0.19	18.83
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	0.29	23.51
*Combined soils within the basin were assumed to be hydrologic group D			<b>TOTALS</b>	<b>67.78</b>

<b>COMPOSITE CN</b>	<b>90.66</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH81171_B6		<b>MADE BY:</b> NIR		12/01/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/01/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
Impervious areas; Streets & roads	*D	98	0.59	58.25
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	*D	80	1.08	86.39
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%)	B	61	1.21	73.62
Woods and Wetlands Combination	*D	97	0.09	8.73
*Combined soils within the roadway were assumed to be hydrologic group D			<b>TOTALS</b>	<b>2.97</b>
				<b>226.99</b>

<b>COMPOSITE CN</b>	<b>76.40</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH81172_B4		<b>MADE BY:</b> NIR		12/01/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/01/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A/D	98	0.44	42.75
Woods and Wetlands Combination	A/D	97	0.26	24.85
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	0.79	63.58
<b>TOTALS</b>			<b>1.49</b>	<b>131.18</b>

<b>COMPOSITE CN</b>	<b>88.21</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH81173_B5		<b>MADE BY:</b> NIR		12/01/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/01/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.39	37.82
Impervious areas; Streets & roads	A/D	98	0.24	23.69
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.31	51.02
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	0.46	37.01
<b>TOTALS</b>			<b>2.40</b>	<b>149.53</b>

<b>COMPOSITE CN</b>	<b>62.35</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH81180_B8		<b>MADE BY:</b> NIR		1/02/2023
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		1/02/2023

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	*D	98	0.76	74.14
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	2.14	171.03
Woods & Wetlands Combination	*D	97	1.47	142.18
Woods & Wetlands Combination (Pond Footprint)	C/D	97	2.32	225.09
Pine Flatwoods (Pond Footprint)	C/D	82	0.47	38.82
Residential Low Density < 2 Dwelling Units (Pond Footprint)	C/D	84	0.12	9.86
			<b>TOTALS</b>	<b>661.12</b>

\*Combined soils within the basin were assumed to be hydrologic group D

<b>COMPOSITE CN</b>	<b>90.92</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH81181_B8		<b>MADE BY:</b> NIR		1/02/2023
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		1/02/2023

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.36	34.83
Impervious areas; Streets & roads	*D	98	1.21	118.18
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	0.93	36.18
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	3.94	315.40
Woods & Wetlands Combination	*D	97	1.34	130.21
			<b>TOTALS</b>	<b>7.77</b>
				<b>634.80</b>

\*Combined soils within the basin were assumed to be hydrologic group D

<b>COMPOSITE CN</b>	<b>81.66</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NHH811811_B8		<b>MADE BY:</b> NIR		1/02/2023
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		1/02/2023

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	*D	98	0.02	2.25
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	0.07	5.97
<i>*Combined soils within the basin were assumed to be hydrologic group D</i>			<b>TOTALS</b>	<b>8.22</b>

<b>COMPOSITE CN</b>	<b>84.24</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> NO14212_B5		<b>MADE BY:</b> NIR		12/01/2022
<b>BASIN ANALYSIS (PRE/POST):</b> PRE		<b>CHECKED BY:</b> SVC		12/01/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.36	35.28
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.12	43.69
<b>TOTALS</b>			<b>1.48</b>	<b>78.97</b>

<b>COMPOSITE CN</b>	<b>53.35</b>
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<b>PROJECT TITLE:</b>	CR 557 Widening			
<b>BASIN DESIGNATION:</b>	NO14220_B5	<b>MADE BY:</b>	NIR	12/01/2022
<b>BASIN ANALYSIS (PRE/POST):</b>	PRE	<b>CHECKED BY:</b>	SVC	12/01/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.41	40.51
Impervious areas; Streets & roads	A/D	98	0.43	42.13
Woods and Wetlands Combination	A	88	0.24	21.34
Woods and Wetlands Combination	A/D	97	0.39	37.70
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	0.99	38.50
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	0.33	26.40
Cropland and Pastureland (Pond Footprint)	A	49	2.22	109.02
Other Open Lands, Rural (Pond Footprint)	A	30	0.23	6.80
Woods and Wetlands Combination (Pond Footprint)	A	88	0.37	32.9032
		<b>ONSITE TOTALS</b>	<b>5.62</b>	<b>355.32</b>
<b>OFFSITE AREA</b>				
Cropland and Pastureland	A	57	0.40	22.97
		<b>OFFSITE TOTALS</b>	<b>0.40</b>	<b>22.97</b>
		<b>TOTALS</b>	<b>6.02</b>	<b>378.28</b>
		<b>COMPOSITE CN</b>		<b>62.84</b>

## Post-Condition Curve Numbers



<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 1A		<b>MADE BY:</b> NIR		7/11/2022
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		7/12/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	0.48	47.28
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	0.15	5.67
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond 1A)	A	39	0.48	18.72
Pond Surface Water @ DHW		100	0.44	44.00
			<b>ONSITE TOTALS</b>	<b>115.67</b>
<b>OFFSITE AREA</b>				
Residential, Medium Density	A	57	0.02	1.14
Tree Crops	A	44	0.30	13.20
			<b>OFFSITE TOTALS</b>	<b>14.34</b>
			<b>TOTALS</b>	<b>130.01</b>
<b>COMPOSITE CN</b>				<b>69.60</b>

<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b>	Basin 1B	<b>MADE BY:</b>	NIR	7/11/2022
<b>BASIN ANALYSIS (PRE/POST):</b>	POST	<b>CHECKED BY:</b>	SVC	7/12/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	5.14	503.49
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.33	51.98
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond 1B)	A	39	0.71	27.69
Pond Surface Water @ DHW		100	0.65	65.00
		<b>ONSITE TOTALS</b>	<b>7.83</b>	<b>648.16</b>
<b>OFFSITE AREA</b>				
Residential Low Density < 2 Dwelling Units	A	50	2.03	101.50
Institutional	A	69	0.01	0.69
Tree Crops	A	44	7.55	332.20
		<b>OFFSITE TOTALS</b>	<b>9.59</b>	<b>434.39</b>
		<b>TOTALS</b>	<b>17.42</b>	<b>1082.55</b>
<b>COMPOSITE CN</b>			<b>62.14</b>	

<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 2		<b>MADE BY:</b> NIR		12/07/2022
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		12/07/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	7.54	738.92
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.45	56.62
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	A	39	1.65	64.25
Pond Surface Water		100	1.43	142.95
			<b>ONSITE TOTALS</b>	<b>12.07</b>
				<b>1002.75</b>
<b>OFFSITE AREA</b>				
Residential Low Density <2 Dwelling Units	A	50	2.22	111.00
Nurseries and Vineyards	A	57	2.17	123.69
Other Open Lands <Rural>	A	30	2.30	69.00
			<b>OFFSITE TOTALS</b>	<b>6.69</b>
				<b>303.69</b>
			<b>TOTALS</b>	<b>18.76</b>
				<b>1306.44</b>
<b>COMPOSITE CN</b>				<b>69.64</b>

<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 3		<b>MADE BY:</b> NIR		10/18/2022
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		10/28/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	3.90	382.13
Impervious areas; Streets & roads	A/D	98	3.93	385.40
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.05	40.99
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	1.12	89.61
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	A	39	0.52	20.13
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	A/D	80	0.45	36.18
Pond Surface Water		100	2.05	205.40
<b>TOTALS</b>			<b>13.03</b>	<b>1159.84</b>

<b>COMPOSITE CN</b>	<b>89.04</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 4		<b>MADE BY:</b> NIR		10/18/2022
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		10/28/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	4.49	440.45
Impervious areas; Streets & roads	A/D	98	1.59	156.23
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	2.20	85.97
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	0.50	40.20
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	A	39	0.62	24.12
Pond Surface Water		100	0.85	84.70
			<b>ONSITE TOTALS</b>	<b>10.26</b>
				<b>831.68</b>
<b>OFFSITE AREA</b>				
Residential Low Density; < 2 Dwelling Units	A	50	1.56	77.94
Residential Medium Density; 2-5 Dwelling Units	A	57	5.01	285.74
Residential Medium Density; 2-5 Dwelling Units	A/D	86	0.86	73.82
			<b>OFFSITE TOTALS</b>	<b>7.43</b>
				<b>437.49</b>
			<b>TOTALS</b>	<b>17.69</b>
				<b>1269.17</b>
<b>COMPOSITE CN</b>				<b>71.74</b>

<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 5		<b>MADE BY:</b> NIR		11/22/2022
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		11/22/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	4.36	427.31
Impervious areas; Streets & roads	A/D	98	2.30	225.39
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	2.11	82.30
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A/D	80	1.16	92.60
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	A	39	0.99	38.67
Pond Surface Water		100	1.83	183.40
		<b>ONSITE TOTALS</b>	<b>12.75</b>	<b>1049.67</b>
<b>OFFSITE AREA</b>				
Residential Medium Density; 2-5 Dwelling Units	A	57	10.46	596.12
Residential Medium Density; 2-5 Dwelling Units	A/D	86	1.91	164.21
Cropland and Pastureland	A	49	0.49	24.13
Other Open Lands	A	30	0.14	4.21
Other Open Lands	A/D	78	0.07	5.69
		<b>OFFSITE TOTALS</b>	<b>13.07</b>	<b>794.35</b>
		<b>TOTALS</b>	<b>25.83</b>	<b>1844.03</b>
		<b>COMPOSITE CN</b>		<b>71.40</b>

<b>PROJECT TITLE:</b>	CR 557 Widening		
<b>BASIN DESIGNATION:</b>	Basin 6	<b>MADE BY:</b>	NIR 12/05/2022
<b>BASIN ANALYSIS (PRE/POST):</b>	POST	<b>CHECKED BY:</b>	SVC 12/05/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
Impervious areas; Streets & roads	*D	98	8.70	852.43
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	0.56	21.89
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	B	61	0.95	58.10
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	5.95	475.83
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	A/D	80	0.96	76.51
Pond Surface Water		100	1.95	195.03
<b>TOTALS</b>			<b>19.07</b>	<b>1679.80</b>

\*Combined soils within the roadway were assumed to be hydrologic group D

<b>COMPOSITE CN</b>	<b>88.10</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 7		<b>MADE BY:</b> NIR		12/29/2022
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		12/29/2022

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	*D	98	8.35	818.21
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	7.83	626.07
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	*D	80	0.81	64.96
Pond Surface Water		100	1.43	142.83
<i>*Combined soils within the basin were assumed to be hydrologic group D</i>			<b>TOTALS</b>	<b>18.42</b>
				<b>1652.07</b>

<b>COMPOSITE CN</b>	<b>89.71</b>
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<b>PROJECT TITLE:</b> CR 557 Widening				
<b>BASIN DESIGNATION:</b> Basin 8		<b>MADE BY:</b> NIR		1/03/2023
<b>BASIN ANALYSIS (PRE/POST):</b> POST		<b>CHECKED BY:</b> SVC		1/03/2023

**BASIN RUNOFF CURVE NUMBER WORKSHEET**

LAND-USE DESCRIPTION	SOIL GROUP	CN	AREA (ac)	PRODUCT
<b>ONSITE AREA</b>				
Impervious areas; Streets & roads	A	98	2.32	227.79
Impervious areas; Streets & roads	*D	98	7.64	748.85
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	A	39	1.85	72.25
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	*D	80	5.87	469.30
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	*D	80	1.25	100.34
Pond Surface Water		100	1.65	165.21
			<b>TOTALS</b>	<b>20.59</b>
				<b>1783.75</b>

\*Combined soils within the basin were assumed to be hydrologic group D

<b>COMPOSITE CN</b>	<b>86.63</b>
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## Pond Stage Storage Calculations

<b>PROJECT TITLE:</b> CR 557 Widening	
<b>BASIN NAME:</b> Basin 1A & 1B	<b>MADE BY:</b> NIR <b>DATE:</b> 1/03/2023
<b>POND NAME/TYPE:</b> 1A & 1B Dry	<b>CHECKED BY:</b> SVC <b>DATE:</b> 1/03/2023

**Water Quality**

Total Basin 1A Area =	1.87 ac	Total Basin 1B Area =	17.42 ac
ImperviousArea =	0.48 ac	ImperviousArea =	5.14 ac
Pond Area at Bottom =	0.18 ac	Pond Area at Bottom =	0.32 ac

0.5 " Over DCIA =	0.23 Ac-Ft
<b>Required PAV =</b>	<b>0.23</b> Ac-Ft

**Pond 1-A Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
153.00 Out. Berm	0.65				2.04	
		0.00	0.00	0.00		
153.00 In. Berm	0.49				2.04	
		0.47	1.00	0.47		
152.00	0.44				1.57	
		0.39	2.00	0.78		
150.00 PAV	0.34				0.79	
		0.26	3.00	0.79		
147.00 Bottom	0.18				0.00	0.00

**Pond 1-B Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
153.00 Out. Berm	1.05				2.16	
		0.00	0.00	0.00		
153.00 In. Berm	0.76				2.16	
		0.70	1.00	0.70		
152.00	0.65				1.45	
		0.54	2.00	1.08		
150.00	0.43				0.38	
		0.38	1.00	0.38		
149.00 Bottom	0.32				0.00	

<b>PROJECT TITLE:</b> CR 557 Widening	
<b>BASIN NAME:</b> Basin 2	<b>MADE BY:</b> NIR <b>DATE:</b> 12/07/2022
<b>POND NAME/TYPE:</b> 2 Wet	<b>CHECKED BY:</b> SVC <b>DATE:</b> 12/07/2022

**Water Quality**

Total Basin 2 Area = 18.76 ac  
 ImperviousArea = 7.54 ac  
 Pond Area at NWL = 1.43 ac

1.0 " Over DCIA = 0.63 Ac-Ft  
**Required PAV = 0.63 Ac-Ft**

**Pond 2 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
135.00 Out. Berm	2.12				4.98	
		1.92	0.30	0.58		
134.70 In. Berm	1.71				4.40	
		1.66	1.00	1.66		
133.70	1.61				2.74	
		1.55	1.30	2.01		
132.40 PAV	1.48				0.73	
		1.45	0.50	0.73		
131.90 NWL	1.43				0.00	6.36
		1.29	3.00	3.86		
128.90 Littoral Shelf	1.14					2.50
		0.88	0.00	0.00		
128.90	0.61					2.50
		0.42	6.00	2.50		
122.90 Bottom	0.22					0.00

Littoral Shelf = 35% of NWL Area = 0.50 Ac-Ft  
 Littoral Shelf Area Provided = **0.54 Ac-Ft**

<b>PROJECT TITLE:</b> CR 557 Widening					
<b>BASIN NAME:</b> Basin 3		<b>MADE BY:</b> NIR		<b>DATE:</b> 10/18/2022	
<b>POND NAME/TYPE:</b> 3		Wet		<b>CHECKED BY:</b> SVC	
				<b>DATE:</b> 10/28/2022	

**Water Quality**

Total Basin 3 Area = 13.03 ac  
 ImperviousArea = 7.83 ac  
 Pond Area at NWL = 2.05 ac

1.0 " Over DCIA = 0.65 Ac-Ft  
**Required PAV = 0.65 Ac-Ft**

**Pond 3 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
137.10 Out. Berm	2.91				9.85	
		2.67	1.00	2.67		
136.10 In. Berm	2.43				7.18	
		2.37	1.00	2.37		
135.10	2.32				4.81	
		2.21	1.80	3.98		
133.30 PAV	2.10				0.83	
		2.08	0.40	0.83		
132.90 NWL	2.05				0.00	9.67
		1.89	3.00	5.66		
129.90 Littoral Shelf	1.72					4.01
		1.30	0.00	0.00		
129.90	0.88					4.01
		0.67	6.00	4.01		
123.90 Bottom	0.45					0.00

Littoral Shelf = 35% of NWL Area = 0.72 Ac-Ft  
 Littoral Shelf Area Provided = **0.83 Ac-Ft**

<b>PROJECT TITLE:</b> CR 557 Widening					
<b>BASIN NAME:</b> Basin 4		<b>MADE BY:</b> NIR		<b>DATE:</b> 11/21/2022	
<b>POND NAME/TYPE:</b> 4 Wet		<b>CHECKED BY:</b> SVC		<b>DATE:</b> 11/21/2022	

**Water Quality**

Total Basin 4 Area = 17.69 ac  
 ImperviousArea = 6.09 ac  
 Pond Area at NWL = 0.85 ac

1.0 " Over DCIA = 0.51 Ac-Ft  
**Required PAV = 0.51 Ac-Ft**

**Pond 4 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
136.00 Out. Berm	1.43				3.40	
		1.27	0.30	0.38		
135.70 In. Berm	1.10				3.02	
		1.06	1.00	1.06		
134.70	1.02				1.96	
		0.96	1.50	1.44		
133.20 PAV	0.90				0.52	
		0.87	0.60	0.52		
132.60 NWL	0.85				0.00	3.60
		0.74	3.00	2.21		
129.60 Littoral Shelf	0.63					1.39
		0.49	0.00	0.00		
129.60	0.34					1.39
		0.23	6.00	1.39		
123.60 Bottom	0.12					0.00

Littoral Shelf = 35% of NWL Area = 0.30 Ac-Ft  
 Littoral Shelf Area Provided = **0.34 Ac-Ft**

<b>PROJECT TITLE:</b> CR 557 Widening	
<b>BASIN NAME:</b> Basin 5	<b>MADE BY:</b> NIR <b>DATE:</b> 12/02/2022
<b>POND NAME/TYPE:</b> 5 Wet	<b>CHECKED BY:</b> SVC <b>DATE:</b> 12/02/2022

**Water Quality**

Total Basin 5 Area = 25.83 ac  
 ImperviousArea = 6.66 ac  
 Pond Area at NWL = 1.83 ac

1.0 " Over DCIA = 0.56 Ac-Ft  
**Required PAV = 0.56 Ac-Ft**

**Pond 5 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
136.00 Out. Berm	2.64				8.86	
		2.42	1.00	2.42		
135.00 In. Berm	2.19				6.44	
		2.14	1.00	2.14		
134.00	2.08				4.31	
		1.97	1.90	3.75		
132.10 PAV	1.87				0.56	
		1.85	0.30	0.56		
131.80 NWL	1.83				0.00	9.00
		1.68	3.00	5.03		
128.80 Littoral Shelf	1.52					3.97
		1.19	0.00	0.00		
128.80	0.86					3.97
		0.66	6.00	3.97		
122.80 Bottom	0.47					0.00

Littoral Shelf = 35% of NWL Area = 0.64 Ac-Ft  
 Littoral Shelf Area Provided = 0.66 Ac-Ft

		<b>PROJECT TITLE: CR 557 Widening</b>			
		<b>BASIN NAME: Basin 6</b>		<b>MADE BY: NIR</b>	<b>DATE: 12/29/2022</b>
		<b>POND NAME/TYPE: 6</b>	<b>Wet</b>	<b>CHECKED BY: SVC</b>	<b>DATE: 12/29/2022</b>

**Water Quality**

Total Basin 6 Area = 19.07 ac  
 ImperviousArea = 8.70 ac  
 Pond Area at NWL = 1.95 ac

1.0 " Over DCIA = 0.72 Ac-Ft  
**Required PAV = 0.72 Ac-Ft**

**Pond 6 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
136.00 Out. Berm	2.91				9.80	
		2.65	1.00	2.65		
135.00 In. Berm	2.38				7.15	
		2.32	1.00	2.32		
134.00	2.25				4.83	
		2.13	1.90	4.04		
132.10 PAV	2.00				0.79	
		1.98	0.40	0.79		
131.70 NWL	1.95				0.00	9.38
		1.76	3.00	5.29		
128.70 Littoral Shelf	1.58					4.09
		1.23	0.00	0.00		
128.70	0.89					4.09
		0.68	6.00	4.09		
122.70 Bottom	0.48					0.00

Littoral Shelf = 35% of NWL Area = 0.68 Ac-Ft  
 Littoral Shelf Area Provided = 0.69 Ac-Ft



		<b>PROJECT TITLE:</b> CR 557 Widening			
		<b>BASIN NAME:</b> Basin 7		<b>MADE BY:</b> NIR	
		<b>DATE:</b> 1/03/2023			
<b>POND NAME/TYPE:</b>		7	Wet	<b>CHECKED BY:</b> SVC	
				<b>DATE:</b> 1/03/2023	

**Water Quality**

Total Basin 7 Area = 18.42 ac  
 Impervious Area = 8.35 ac  
 Pond Area at NWL = 1.43 ac

1.0 " Over DCIA = 0.70 Ac-Ft  
**Required PAV = 0.70 Ac-Ft**

**Pond 7 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
136.00 Out. Berm	2.13				7.17	
		1.94	1.00	1.94		
135.00 In. Berm	1.74				5.23	
		1.70	1.00	1.70		
134.00	1.65				3.54	
		1.56	1.80	2.81		
132.20 PAV	1.48				0.73	
		1.45	0.50	0.73		
131.70 NWL	1.43				0.00	6.85
		1.30	3.00	3.89		
128.70 Littoral Shelf	1.16					2.96
		0.91	0.00	0.00		
128.70	0.65					2.96
		0.49	6.00	2.96		
122.70 Bottom	0.33					0.00

Littoral Shelf = 35% of NWL Area = 0.50 Ac-Ft  
 Littoral Shelf Area Provided = 0.51 Ac-Ft

<b>PROJECT TITLE:</b> CR 557 Widening	
<b>BASIN NAME:</b> Basin 8	<b>MADE BY:</b> NIR <b>DATE:</b> 1/03/2023
<b>POND NAME/TYPE:</b> 8 Wet	<b>HECKED BY:</b> SVC <b>DATE:</b> 1/03/2023

**Water Quality**

Total Basin 8 Area = 20.59 ac  
 ImperviousArea = 9.97 ac  
 Pond Area at NWL = 1.65 ac

1.0 " Over DCIA = 0.83 Ac-Ft  
**Required PAV = 0.83 Ac-Ft**

**Pond 8 Stage Storage Calculations**

ELEV. (ft)	AREA (ac)	AVG AREA (ac)	Delta D (ft)	Delta storage (ac-ft)	Sum Storage (ac-ft)	Permanent Pool Storage (ac-ft)
135.30 Out. Berm	2.58				6.35	
		2.33	0.00	0.00		
135.30 In. Berm	2.08				6.35	
		2.02	1.00	2.02		
134.30	1.95				4.33	
		1.83	1.90	3.49		
132.40 PAV	1.72				0.84	
		1.68	0.50	0.84		
131.90 NWL	1.65				0.00	7.26
		1.47	3.00	4.42		
128.90 Littoral Shelf	1.30					2.83
		0.98	0.00	0.00		
128.90	0.66					2.83
		0.47	6.00	2.83		
122.90 Bottom	0.29					0.00

Littoral Shelf = 35% of NWL Area = 0.58 Ac-Ft  
 Littoral Shelf Area Provided = 0.64 Ac-Ft

## Existing Peace Creek Model Reports

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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==== Basins =====  
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Name: B0001                      Node: NB0001                      Status: Onsite  
Group: B                            Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: B0001                      Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000              Time of Conc(min): 15.00  
                                            Time Shift(hrs): 0.00  
                                            Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.033	21.000	8.00	0.095	13.040	0.375	2.047
2.015	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0002                      Node: NB0002                      Status: Onsite  
Group: B                            Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: B0002                      Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000              Time of Conc(min): 15.00  
                                            Time Shift(hrs): 0.00  
                                            Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.562	21.000	8.00	0.095	13.040	0.375	2.047
1.222	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0003                      Node: NB0003                      Status: Onsite  
Group: B                            Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: B0003                      Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000              Time of Conc(min): 15.00  
                                            Time Shift(hrs): 0.00  
                                            Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.075	0.000	0.00	3.167	13.040	0.385	2.047
0.032	0.000	0.00	5.136	13.040	0.391	2.047
0.115	21.000	8.00	0.095	13.040	0.375	2.047
3.290	21.000	8.00	3.167	13.040	0.385	2.047
0.422	21.000	8.00	5.136	13.040	0.391	2.047
0.289	100.000	100.00	0.095	13.040	0.375	2.047
0.496	100.000	100.00	3.167	13.040	0.385	2.047

Name: B0004                      Node: NB0004                      Status: Onsite  
Group: B                            Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: B0004                      Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000              Time of Conc(min): 15.00  
                                            Time Shift(hrs): 0.00  
                                            Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.492	21.000	8.00	0.095	13.040	0.375	2.047
1.301	21.000	8.00	5.136	13.040	0.391	2.047

Dewberry Engineers, Inc.

Name: B0006                      Node: NB0006                      Status: Onsite  
 Group: B                          Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0006                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                Time of Conc(min): 15.00  
                                                  Time Shift(hrs): 0.00  
                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.677	21.000	8.00	0.095	13.040	0.375	2.047
2.142	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0007                      Node: NB0007                      Status: Onsite  
 Group: B                          Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0007                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                Time of Conc(min): 15.00  
                                                  Time Shift(hrs): 0.00  
                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.753	21.000	8.00	0.095	13.040	0.375	2.047
0.239	21.000	8.00	3.167	13.040	0.385	2.047
1.154	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0008                      Node: NB0008                      Status: Onsite  
 Group: B                          Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0008                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                Time of Conc(min): 15.00  
                                                  Time Shift(hrs): 0.00  
                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.066	21.000	8.00	0.095	13.040	0.375	2.047
1.743	21.000	8.00	3.167	13.040	0.385	2.047
0.233	21.000	8.00	5.136	13.040	0.391	2.047
0.027	100.000	100.00	0.095	13.040	0.375	2.047
0.045	100.000	100.00	3.167	13.040	0.385	2.047

Name: B0009                      Node: NB0009                      Status: Onsite  
 Group: B                          Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0009                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                Time of Conc(min): 15.00  
                                                  Time Shift(hrs): 0.00  
                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.908	21.000	8.00	0.095	13.040	0.375	2.047
0.741	21.000	8.00	3.167	13.040	0.385	2.047

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Name: B0010 Node: NB0010 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0010 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000 Time of Conc(min): 33.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.365	0.000	0.00	0.000	13.040	0.641	11.811
1.727	0.000	0.00	1.042	13.040	0.376	2.047
8.211	0.000	0.00	1.310	13.040	0.378	2.047
10.005	0.000	0.00	3.167	13.040	0.385	2.047
28.757	0.000	0.00	5.136	13.040	0.391	2.047
2.458	5.000	0.00	1.310	13.040	0.378	2.047
2.971	5.000	0.00	3.167	13.040	0.385	2.047
12.798	5.000	0.00	5.136	13.040	0.391	2.047
25.873	100.000	100.00	0.000	13.040	0.641	11.811
1.267	100.000	100.00	0.027	13.040	0.404	2.047
1.667	100.000	100.00	0.095	13.040	0.375	2.047
0.165	100.000	100.00	1.042	13.040	0.376	2.047
3.708	100.000	100.00	1.310	13.040	0.378	2.047
13.311	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0011 Node: NB0011 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0011 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000 Time of Conc(min): 23.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.800	0.000	0.00	1.310	13.040	0.378	2.047
3.713	0.000	0.00	3.167	13.040	0.385	2.047
1.814	0.000	0.00	4.416	13.040	0.374	2.047
35.299	0.000	0.00	5.136	13.040	0.391	2.047
0.130	5.000	0.00	5.136	13.040	0.391	2.047

Name: B0012 Node: NB0012 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0012 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000 Time of Conc(min): 15.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.470	21.000	8.00	3.167	13.040	0.385	2.047
6.743	21.000	8.00	5.136	13.040	0.391	2.047
0.710	100.000	100.00	3.167	13.040	0.385	2.047
0.217	100.000	100.00	5.136	13.040	0.391	2.047

Name: B0020 Node: NB0020 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Rainfall File: B0020  
 Rainfall Amount (in): 9.000

Storm Duration (hrs): 24.00  
 Time of Conc (min): 32.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
8.475	0.000	0.00	3.245	13.040	0.366	4.331
2.286	0.000	0.00	3.167	13.040	0.385	2.047
22.042	0.000	0.00	5.136	13.040	0.391	2.047
9.918	21.000	8.00	0.095	13.040	0.375	2.047
1.120	21.000	8.00	3.245	13.040	0.366	4.331
1.445	21.000	8.00	3.167	13.040	0.385	2.047
1.819	21.000	8.00	5.136	13.040	0.391	2.047
0.686	21.000	8.00	0.000	39.370	0.720	0.394
1.564	100.000	100.00	0.095	13.040	0.375	2.047
0.759	100.000	100.00	5.136	13.040	0.391	2.047
48.415	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0023  
 Group: B

Node: NB0023  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0023  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 17.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.010	0.000	0.00	5.136	13.040	0.391	2.047
0.796	47.000	43.00	3.167	13.040	0.385	2.047
16.118	47.000	43.00	5.136	13.040	0.391	2.047
1.037	100.000	100.00	3.167	13.040	0.385	2.047
0.406	100.000	100.00	5.136	13.040	0.391	2.047

Name: B0027  
 Group: B

Node: NB0027  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0027  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 15.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
11.864	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0028  
 Group: B

Node: NB0028  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0028  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 19.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.229	21.000	8.00	4.416	13.040	0.374	2.047
24.835	21.000	8.00	5.136	13.040	0.391	2.047

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
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Name: B0029                          Node: NB0029                          Status: Onsite  
Group: B                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
Rainfall File: B0029                          Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000                          Time of Conc(min): 20.00  
                                                                Time Shift(hrs): 0.00  
                                                                Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
31.873	0.000	0.00	5.136	13.040	0.391	2.047
0.122	100.000	100.00	5.136	13.040	0.391	2.047

Name: B0030                          Node: NB0030                          Status: Onsite  
Group: B                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
Rainfall File: B0030                          Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000                          Time of Conc(min): 33.00  
                                                                Time Shift(hrs): 0.00  
                                                                Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
2.548	0.000	0.00	1.310	13.040	0.378	2.047
9.169	0.000	0.00	3.167	13.040	0.385	2.047
43.629	0.000	0.00	5.136	13.040	0.391	2.047
1.025	5.000	0.00	0.094	13.040	0.366	2.047
0.918	5.000	0.00	0.217	13.040	0.396	2.047
2.463	5.000	0.00	3.167	13.040	0.385	2.047
4.650	5.000	0.00	5.136	13.040	0.391	2.047
0.012	10.000	5.00	5.136	13.040	0.391	2.047
1.755	100.000	100.00	0.000	13.040	0.409	2.047
0.671	100.000	100.00	0.000	13.040	0.641	11.811
12.297	100.000	100.00	0.000	13.040	0.852	11.811
0.497	100.000	100.00	0.094	13.040	0.366	2.047
4.525	100.000	100.00	0.217	13.040	0.396	2.047
1.483	100.000	100.00	1.310	13.040	0.378	2.047
1.951	100.000	100.00	3.167	13.040	0.385	2.047
21.544	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0031                          Node: NB0031                          Status: Onsite  
Group: B                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
Rainfall File: B0031                          Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000                          Time of Conc(min): 15.00  
                                                                Time Shift(hrs): 0.00  
                                                                Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.002	0.000	0.00	0.000	13.040	0.641	11.811
0.037	0.000	0.00	0.095	13.040	0.375	2.047
0.468	21.000	8.00	0.095	13.040	0.375	2.047
1.006	21.000	8.00	1.310	13.040	0.378	2.047
1.586	21.000	8.00	4.416	13.040	0.374	2.047
8.967	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0033                          Node: NB0033                          Status: Onsite  
Group: B                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                          Peaking Factor: 256.0



Existing Peace Creek Model (Basins 1-4)  
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Rainfall File: B0033  
 Rainfall Amount (in): 9.000

Storm Duration (hrs): 24.00  
 Time of Conc (min): 18.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
4.987	21.000	8.00	4.416	13.040	0.374	2.047
17.998	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0038  
 Group: B

Node: NB0038 Status: Onsite  
 Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: B0038  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 16.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.547	21.000	8.00	0.095	13.040	0.375	2.047
6.723	21.000	8.00	3.167	13.040	0.385	2.047
10.807	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0039  
 Group: B

Node: NB0039 Status: Onsite  
 Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: B0039  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 15.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.386	21.000	8.00	3.167	13.040	0.385	2.047
7.351	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0040  
 Group: B

Node: NB0040 Status: Onsite  
 Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: B0040  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 87.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
3.230	0.000	0.00	0.000	13.040	0.641	11.811
1.634	0.000	0.00	0.094	13.040	0.366	2.047
2.746	0.000	0.00	0.095	13.040	0.375	2.047
2.589	0.000	0.00	1.042	13.040	0.376	2.047
11.093	0.000	0.00	1.310	13.040	0.378	2.047
43.217	0.000	0.00	3.167	13.040	0.385	2.047
1.434	0.000	0.00	4.416	13.040	0.374	2.047
119.872	0.000	0.00	5.136	13.040	0.391	2.047
1.538	5.000	0.00	0.094	13.040	0.366	2.047
0.068	5.000	0.00	0.217	13.040	0.396	2.047
0.533	5.000	0.00	1.042	13.040	0.376	2.047
3.456	5.000	0.00	1.310	13.040	0.378	2.047
4.005	5.000	0.00	3.167	13.040	0.385	2.047
1.191	5.000	0.00	4.416	13.040	0.374	2.047
10.075	5.000	0.00	5.136	13.040	0.391	2.047

Existing Peace Creek Model (Basins 1-4)  
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0.594	5.000	2.00	1.164	12.992	0.378	2.047
4.030	5.000	2.00	1.031	13.040	0.386	2.165
2.618	5.000	2.00	1.310	13.040	0.378	2.047
8.784	5.000	2.00	5.136	13.040	0.391	2.047
2.831	10.000	5.00	5.136	13.040	0.391	2.047
1.847	21.000	8.00	1.100	12.992	0.380	4.331
0.463	21.000	8.00	1.164	12.992	0.378	2.047
5.706	21.000	8.00	0.000	13.040	0.384	2.047
0.375	21.000	8.00	0.000	13.040	0.852	11.811
2.254	21.000	8.00	0.095	13.040	0.375	2.047
2.394	21.000	8.00	1.031	13.040	0.386	2.165
8.025	21.000	8.00	1.310	13.040	0.378	2.047
24.428	21.000	8.00	3.167	13.040	0.385	2.047
2.142	21.000	8.00	4.416	13.040	0.374	2.047
60.417	21.000	8.00	5.136	13.040	0.391	2.047
0.738	21.000	8.00	0.000	39.370	0.720	0.394
0.755	47.000	43.00	3.167	13.040	0.385	2.047
2.361	47.000	43.00	5.136	13.040	0.391	2.047
0.071	50.000	45.00	0.095	13.040	0.375	2.047
0.338	50.000	45.00	5.136	13.040	0.391	2.047
2.543	62.000	56.00	1.164	12.992	0.378	2.047
12.569	62.000	56.00	5.136	13.040	0.391	2.047
6.891	77.000	72.00	1.164	12.992	0.378	2.047
2.385	100.000	100.00	0.000	13.040	0.384	2.047
11.369	100.000	100.00	0.000	13.040	0.409	2.047
40.322	100.000	100.00	0.000	13.040	0.641	11.811
23.682	100.000	100.00	0.000	13.040	0.852	11.811
18.879	100.000	100.00	0.027	13.040	0.404	2.047
197.272	100.000	100.00	0.094	13.040	0.366	2.047
4.228	100.000	100.00	0.095	13.040	0.375	2.047
1.471	100.000	100.00	0.217	13.040	0.396	2.047
1.779	100.000	100.00	1.042	13.040	0.376	2.047
3.226	100.000	100.00	1.031	13.040	0.386	2.165
46.917	100.000	100.00	1.310	13.040	0.378	2.047
3.914	100.000	100.00	3.167	13.040	0.385	2.047
0.236	100.000	100.00	5.136	13.040	0.391	2.047
658.097	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0042  
 Group: B

Node: NB0042  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0042  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 17.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.527	0.000	0.00	0.095	13.040	0.375	2.047
7.029	0.000	0.00	5.136	13.040	0.391	2.047
0.040	5.000	0.00	3.167	13.040	0.385	2.047
1.282	50.000	45.00	0.000	13.040	0.852	11.811
4.559	50.000	45.00	0.095	13.040	0.375	2.047
5.106	50.000	45.00	5.136	13.040	0.391	2.047
0.010	100.000	100.00	0.095	13.040	0.375	2.047
0.002	100.000	100.00	1.310	13.040	0.378	2.047

Name: B2010  
 Group: B

Node: NB2010  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B2010  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 30.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
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Existing Peace Creek Model (Basins 1-4)  
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2.504	0.000	0.00	0.000	13.040	0.641	11.811
5.314	0.000	0.00	1.310	13.040	0.378	2.047
27.521	0.000	0.00	3.167	13.040	0.385	2.047
25.244	0.000	0.00	5.136	13.040	0.391	2.047
1.910	21.000	8.00	0.000	13.040	0.641	11.811
0.815	21.000	8.00	1.310	13.040	0.378	2.047
5.600	100.000	100.00	0.000	13.040	0.641	11.811
4.522	100.000	100.00	0.000	13.040	0.852	11.811
0.355	100.000	100.00	3.167	13.040	0.385	2.047
13.790	100.000	100.00	0.000	39.370	0.720	0.394

Name: B2020                      Node: NB2020                      Status: Onsite  
 Group: B                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B2020                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000                      Time of Conc(min): 40.00  
                                                                                          Time Shift(hrs): 0.00  
                                                                                          Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
6.484	0.000	0.00	0.000	13.040	0.641	11.811
12.034	0.000	0.00	1.310	13.040	0.378	2.047
4.511	0.000	0.00	3.167	13.040	0.385	2.047
49.077	0.000	0.00	5.136	13.040	0.391	2.047
0.913	0.000	0.00	1.412	35.008	0.387	2.165
1.212	21.000	8.00	0.000	13.040	0.641	11.811
1.379	21.000	8.00	0.071	13.040	0.400	2.047
13.255	21.000	8.00	1.310	13.040	0.378	2.047
0.144	21.000	8.00	3.167	13.040	0.385	2.047
0.062	21.000	8.00	1.373	35.008	0.399	2.047
26.195	100.000	100.00	0.000	13.040	0.641	11.811
65.734	100.000	100.00	0.000	13.040	0.852	11.811
0.940	100.000	100.00	1.310	13.040	0.378	2.047
0.010	100.000	100.00	1.412	35.008	0.387	2.165

Name: B2022                      Node: NB2022                      Status: Onsite  
 Group: B                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B2022                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000                      Time of Conc(min): 15.00  
                                                                                          Time Shift(hrs): 0.00  
                                                                                          Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.842	0.000	0.00	0.000	13.040	0.641	11.811
0.766	100.000	100.00	0.000	13.040	0.641	11.811
0.048	100.000	100.00	1.412	35.008	0.387	2.165

Name: B2030                      Node: NB2030                      Status: Onsite  
 Group: B                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B2030                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000                      Time of Conc(min): 15.00  
                                                                                          Time Shift(hrs): 0.00  
                                                                                          Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.021	0.000	0.00	0.000	13.040	0.641	11.811

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0.537	0.000	0.00	1.412	35.008	0.387	2.165
0.399	100.000	100.00	0.000	13.040	0.641	11.811
2.578	100.000	100.00	1.412	35.008	0.387	2.165
0.722	100.000	100.00	0.000	39.370	0.720	0.394

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Name: B2040                               Node: NB2040                               Status: Onsite  
 Group: B                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                        Peaking Factor: 256.0  
 Rainfall File: B2040                                         Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                                     Time of Conc(min): 36.00  
                                                                                           Time Shift(hrs): 0.00  
                                                                                           Max Allowable Q(cfs): 999999.000

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Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
6.104	0.000	0.00	0.000	13.040	0.378	2.047
3.816	0.000	0.00	0.000	13.040	0.641	11.811
1.519	0.000	0.00	1.042	13.040	0.376	2.047
0.894	0.000	0.00	1.310	13.040	0.378	2.047
0.633	0.000	0.00	3.167	13.040	0.385	2.047
76.424	0.000	0.00	5.136	13.040	0.391	2.047
0.133	0.000	0.00	1.412	35.008	0.387	2.165
4.576	100.000	100.00	0.000	13.040	0.378	2.047
2.870	100.000	100.00	0.000	13.040	0.641	11.811
45.129	100.000	100.00	0.000	39.370	0.720	0.394

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Name: B2050                               Node: NB2050                               Status: Onsite  
 Group: B                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                        Peaking Factor: 256.0  
 Rainfall File: B2050                                         Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                                     Time of Conc(min): 13.00  
                                                                                           Time Shift(hrs): 0.00  
                                                                                           Max Allowable Q(cfs): 999999.000

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Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.719	0.000	0.00	0.000	13.040	0.641	11.811
3.264	0.000	0.00	1.042	13.040	0.376	2.047
3.164	0.000	0.00	3.167	13.040	0.385	2.047
11.336	0.000	0.00	5.136	13.040	0.391	2.047
1.737	0.000	0.00	1.412	35.008	0.387	2.165
5.227	100.000	100.00	0.000	13.040	0.641	11.811
1.299	100.000	100.00	0.000	13.040	0.852	11.811
0.252	100.000	100.00	1.042	13.040	0.376	2.047
0.022	100.000	100.00	1.412	35.008	0.387	2.165

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Name: B2055                               Node: NB2055                               Status: Onsite  
 Group: B                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                        Peaking Factor: 256.0  
 Rainfall File:                                                 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 9.000                                     Time of Conc(min): 13.00  
                                                                                           Time Shift(hrs): 0.00  
                                                                                           Max Allowable Q(cfs): 999999.000

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Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
31.878	0.000	0.00	5.136	13.040	0.391	2.047

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Name: B2070                               Node: NB2070                               Status: Onsite

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Existing Peace Creek Model (Basins 1-4)  
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Group: B

Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: B2070  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 54.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
3.557	0.000	0.00	0.000	13.040	0.366	2.047
1.928	0.000	0.00	0.000	13.040	0.641	11.811
8.639	0.000	0.00	0.071	13.040	0.400	2.047
0.136	0.000	0.00	0.095	13.040	0.375	2.047
29.360	0.000	0.00	0.217	13.040	0.396	2.047
7.268	0.000	0.00	1.042	13.040	0.376	2.047
8.526	0.000	0.00	2.674	13.040	0.376	2.047
13.214	0.000	0.00	3.245	13.040	0.366	4.331
2.671	0.000	0.00	4.416	13.040	0.374	2.047
19.858	0.000	0.00	5.136	13.040	0.391	2.047
4.769	21.000	8.00	0.000	13.040	0.641	11.811
11.545	21.000	8.00	0.000	13.040	0.852	11.811
10.984	21.000	8.00	0.071	13.040	0.400	2.047
4.568	21.000	8.00	0.217	13.040	0.396	2.047
11.285	21.000	8.00	1.042	13.040	0.376	2.047
18.151	21.000	8.00	1.310	13.040	0.378	2.047
2.882	21.000	8.00	2.674	13.040	0.376	2.047
1.781	21.000	8.00	3.245	13.040	0.366	4.331
2.131	21.000	8.00	3.167	13.040	0.385	2.047
12.631	21.000	8.00	1.373	35.008	0.399	2.047
0.791	21.000	8.00	0.000	39.370	0.720	0.394
0.923	100.000	100.00	0.000	13.040	0.366	2.047
34.526	100.000	100.00	0.000	13.040	0.641	11.811
21.789	100.000	100.00	0.000	13.040	0.852	11.811
2.250	100.000	100.00	0.071	13.040	0.400	2.047
0.745	100.000	100.00	0.217	13.040	0.396	2.047
0.971	100.000	100.00	1.042	13.040	0.376	2.047
0.465	100.000	100.00	3.245	13.040	0.366	4.331
168.171	100.000	100.00	0.000	39.370	0.720	0.394

Name: B2120  
 Group: B

Node: NB2120  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B2120  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 33.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
6.977	0.000	0.00	0.000	13.040	0.366	2.047
8.878	0.000	0.00	0.000	13.040	0.852	11.811
1.217	0.000	0.00	0.095	13.040	0.375	2.047
9.414	0.000	0.00	1.042	13.040	0.376	2.047
1.318	0.000	0.00	3.167	13.040	0.385	2.047
30.362	0.000	0.00	5.136	13.040	0.391	2.047
0.652	5.000	0.00	0.095	13.040	0.375	2.047
0.117	5.000	0.00	3.167	13.040	0.385	2.047
7.949	5.000	0.00	5.136	13.040	0.391	2.047
39.913	100.000	100.00	0.000	13.040	0.852	11.811
0.378	100.000	100.00	5.136	13.040	0.391	2.047

Name: NB0023\_B2  
 Group: B

Node: NB0023  
 Type: SCS Unit Hydrograph CN  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File:

Peaking Factor: 256.0  
 Storm Duration (hrs): 0.00

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Rainfall Amount (in): 0.000                      Time of Conc(min): 10.00  
Area (ac): 0.790                                  Time Shift (hrs): 0.00  
Curve Number: 83.06                              Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NB0030\_B2                                  Node: NB0030                                  Status: Onsite  
Group: B                                          Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                                  Peaking Factor: 256.0  
Rainfall File:                                          Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                              Time of Conc(min): 24.00  
Area (ac): 2.140                                          Time Shift (hrs): 0.00  
Curve Number: 56.92                                  Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NB0040\_B1                                  Node: NB0040                                  Status: Onsite  
Group: B                                          Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                                  Peaking Factor: 256.0  
Rainfall File:                                          Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                              Time of Conc(min): 17.00  
Area (ac): 32.530                                          Time Shift (hrs): 0.00  
Curve Number: 52.86                                  Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NB2020\_B4                                  Node: NB2020                                  Status: Onsite  
Group: B                                          Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                                  Peaking Factor: 256.0  
Rainfall File:                                          Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                              Time of Conc(min): 50.00  
Area (ac): 11.340                                          Time Shift (hrs): 0.00  
Curve Number: 62.38                                  Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NB2050\_B3                                  Node: NB2050                                  Status: Onsite  
Group: B                                          Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                                  Peaking Factor: 256.0  
Rainfall File:                                          Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                              Time of Conc(min): 14.00  
Area (ac): 6.550                                          Time Shift (hrs): 0.00  
Curve Number: 67.71                                  Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NB2055\_B3                                  Node: NB2055                                  Status: Onsite  
Group: B                                          Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                                  Peaking Factor: 256.0  
Rainfall File:                                          Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                              Time of Conc(min): 21.00  
Area (ac): 1.370                                          Time Shift (hrs): 0.00  
Curve Number: 55.41                                  Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NB2070\_B4                                  Node: NB2070                                  Status: Onsite

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Group: B

Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256	Peaking Factor: 256.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount (in): 0.000	Time of Conc(min): 54.00
Area(ac): 22.670	Time Shift(hrs): 0.00
Curve Number: 64.66	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

Name: NB2120\_B3  
 Group: B

Node: NB2120 Status: Onsite  
 Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256	Peaking Factor: 256.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount (in): 0.000	Time of Conc(min): 12.00
Area(ac): 6.000	Time Shift(hrs): 0.00
Curve Number: 61.95	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

==== Nodes =====

Name: GWSinkB Base Flow(cfs): 0.000 Init Stage(ft): 50.000  
 Group: B Warn Stage(ft): 55.000  
 Type: Time/Stage

Time (hrs)	Stage (ft)
0.00	50.000
300.00	50.000

Name: NB0001 Base Flow(cfs): 0.000 Init Stage(ft): 138.090  
 Group: B Warn Stage(ft): 143.090  
 Type: Stage/Area

Stage (ft)	Area (ac)
138.090	0.1000
144.100	0.3430
148.500	1.0870
148.600	2.0400
151.500	2.0480
166.500	2.0480

Name: NB0002 Base Flow(cfs): 0.000 Init Stage(ft): 139.590  
 Group: B Warn Stage(ft): 144.590  
 Type: Stage/Area

Stage (ft)	Area (ac)
138.090	0.1000
138.100	0.1890
139.000	0.2260
139.100	0.2860
146.100	1.7760
148.000	1.7840
163.000	1.7840

Name: NB0003 Base Flow(cfs): 0.000 Init Stage(ft): 141.600

Group: B  
 Type: Stage/Area

Warn Stage(ft): 146.600

Stage (ft)	Area (ac)
141.600	0.1000
144.200	0.7720
153.600	4.0980
154.000	4.3830
154.100	4.6980
157.100	4.7180

Name: NB0004  
 Group: B  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 139.090  
 Warn Stage(ft): 144.090

Stage (ft)	Area (ac)
138.090	0.1000
138.100	0.2060
145.900	1.0110
147.000	1.5810
147.100	1.7610
149.600	1.7930
164.600	1.7930

Name: NB0006  
 Group: B  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 139.090  
 Warn Stage(ft): 144.090

Stage (ft)	Area (ac)
138.090	0.1000
138.100	0.2630
141.400	0.5450
146.400	1.3980
151.000	2.2860
158.200	2.8180
173.200	2.8180

Name: NB0007  
 Group: B  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 139.090  
 Warn Stage(ft): 144.090

Stage (ft)	Area (ac)
138.090	0.1000
138.100	0.1760
141.200	0.3730
146.100	1.0970
150.700	1.9240
158.200	2.1460
173.200	2.1460

Name: NB0008  
 Group: B  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 138.090  
 Warn Stage(ft): 143.090

Stage (ft)	Area (ac)
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138.090	0.1000
144.000	0.3390
148.000	0.7800
158.200	2.1140
173.200	2.1140

Name: NB0009	Base Flow(cfs): 0.000	Init Stage(ft): 139.090
Group: B		Warn Stage(ft): 144.090
Type: Stage/Area		

Stage (ft)	Area (ac)
138.090	0.1000
150.000	1.4720
150.100	1.6440
151.200	1.6490

Name: NB0010	Base Flow(cfs): 0.000	Init Stage(ft): 129.600
Group: B		Warn Stage(ft): 135.100
Type: Stage/Area		

Stage (ft)	Area (ac)
120.400	0.1000
120.500	3.9750
121.000	4.3980
121.500	4.8360
122.000	5.2940
122.500	5.7550
123.000	6.2250
124.500	7.7190
125.000	8.2430
125.500	8.7670
126.000	9.3180
126.500	9.8690
127.000	10.4250
128.500	12.1990
129.000	12.8090
129.500	13.4340
130.000	14.0670
131.500	34.6870
132.000	38.4050
132.500	40.2970
133.000	42.0270
133.500	44.3810
134.000	45.9020
134.500	47.2020
135.000	48.7180
135.500	51.0990
136.500	55.6870
137.000	57.8400
137.500	59.6640
138.500	62.8820
139.000	64.6040
141.000	70.9650
141.500	72.6710
142.000	74.3230
142.500	75.7060
143.000	77.0700
144.000	79.5360
144.500	80.7150
145.000	81.8540
145.500	83.3210
146.000	84.8970
146.500	86.4360
147.000	87.8970
147.500	88.5350
148.000	89.0090

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148.500	89.4590
149.000	89.8760
149.500	90.2730
150.000	90.6580
150.500	91.0040
151.000	91.3410
151.500	91.6480
152.500	92.2150
153.000	92.4890
153.500	92.7600
154.000	93.0270
155.000	93.5410
155.500	93.7790
156.000	94.0080
157.500	94.6330
158.000	94.8370
158.500	95.0470
161.000	96.0230
162.500	96.5770
165.500	97.5940
166.000	97.7700
167.000	98.1620
167.500	98.3390
168.000	98.5180
168.500	98.7380
169.000	99.0140
169.500	99.2680
176.500	101.9020
177.000	102.0900
177.500	102.2750
178.000	102.4890
178.500	102.7220
179.500	103.4030
181.500	104.5130
182.000	104.7890
182.500	105.0860
183.000	105.3940
183.500	105.7510
184.000	106.1520
184.500	106.6680
185.000	107.4690
186.000	109.4780
186.500	111.1980
189.000	113.2830

Name: NB0011                      Base Flow(cfs): 0.000                      Init Stage(ft): 136.400  
 Group: B                              Warn Stage(ft): 141.400  
 Type: Stage/Area

Stage(ft)	Area(ac)
136.200	0.1000
137.200	0.1510
137.700	0.4250
138.200	0.8360
138.700	1.2660
139.200	1.7080
139.700	2.2060
140.700	3.3170
141.200	3.8480
141.700	4.4470
142.200	5.0710
142.700	5.7540
143.700	7.7670
144.700	9.4070
145.200	10.2200
145.700	11.0620
146.200	11.8380
147.700	13.9830
148.200	14.6990
149.700	16.9710

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

150.200	17.7570
150.700	18.5970
151.700	21.3240
152.200	22.4900
152.700	23.7370
153.200	25.0640
153.700	26.2360
154.200	27.1360
154.700	27.9760
155.200	28.7490
155.700	29.5310
156.700	31.1620
157.200	32.0360
157.700	33.0800
158.200	33.8950
158.700	34.3950
159.200	34.7780
159.700	34.9240
161.700	35.3850
163.700	35.8020
164.200	35.9020
166.200	36.2730
169.200	36.7760
169.700	36.8560
170.700	37.0520
171.200	37.1550
171.700	37.2570
172.200	37.3640
172.700	37.5070
175.200	38.1060
176.700	38.4460
178.200	38.7430
181.200	39.4550
181.700	39.5870
182.200	39.7540
182.700	39.9680
183.200	40.1790
183.700	40.4580
185.700	41.7520

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 Name: NB0012                      Base Flow(cfs): 0.000                      Init Stage(ft): 148.090  
 Group: B                              Warn Stage(ft): 153.090  
 Type: Stage/Area

Stage(ft)	Area(ac)
148.090	0.1000
148.100	1.0660
152.700	1.6390
154.200	2.2270
155.700	3.1800
156.800	4.1230
158.000	5.3550
173.300	8.1400
188.300	8.1400

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 Name: NB0020                      Base Flow(cfs): 0.000                      Init Stage(ft): 137.500  
 Group: B                              Warn Stage(ft): 141.100  
 Type: Stage/Area

Stage(ft)	Area(ac)
121.300	0.1000
121.400	23.2770
122.400	24.6950
123.900	26.8890
124.400	27.6380
124.900	28.3920

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126.900	31.5380
127.400	32.3570
127.900	33.1730
128.400	34.1670
129.400	35.8680
130.900	38.4860
131.400	39.3690
132.900	42.1070
134.400	44.9340
134.900	45.8940
135.400	46.8650
135.900	47.8420
136.900	54.3170
137.400	55.9640
137.900	57.3130
138.400	58.1950
139.400	59.7340
139.900	60.7030
140.400	61.7920
140.900	62.5860
141.400	63.2550
142.400	64.4810
142.900	65.1100
143.900	66.4600
144.400	67.2660
144.900	68.0680
145.400	68.9620
145.900	70.0120
146.400	71.3140
146.900	72.7190
147.400	74.2010
147.900	75.8160
148.400	77.4540
148.900	79.1270
150.400	85.2540
150.900	86.7360
151.400	88.2030
151.900	89.0010
152.900	90.3130
153.400	91.0100
154.400	93.6250
154.900	94.5910
155.400	95.3000
155.900	95.8120
159.400	98.5310

Name: NB0023                      Base Flow(cfs): 0.000                      Init Stage(ft): 130.620  
 Group: B                              Warn Stage(ft): 135.620  
 Type: Stage/Area

Stage (ft)	Area (ac)
130.200	0.1000
131.200	0.2120
131.700	0.5520
132.200	1.0340
132.700	1.2280
133.200	1.3140
133.700	1.4110
134.200	1.4690
134.700	1.5420
137.200	1.8000
137.700	1.8410
140.700	2.1930
147.200	2.9030
147.700	2.9490
149.700	3.2020
152.200	3.5610
152.700	3.6540
153.200	3.7930
153.700	4.0440

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154.200	4.7100
155.200	6.3670
156.200	7.7540
156.700	8.2900
157.200	8.9610
158.200	11.7510
159.200	14.3890
159.700	14.9430
160.200	15.7230
160.700	16.1200
161.200	16.2170
161.700	16.3070
162.200	16.3750
164.700	16.6150
165.200	16.6850
165.700	16.8860
166.200	17.2660
166.700	17.6130
167.200	17.9630
169.700	18.3670

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Name: NB0027	Base Flow(cfs): 0.000	Init Stage(ft): 140.910
Group: B		Warn Stage(ft): 145.910
Type: Stage/Area		

Stage(ft)	Area(ac)
140.090	0.1000
140.100	0.4910
143.900	0.9720
149.500	2.4050
154.800	4.0040
160.800	6.1570
165.400	8.0440
171.000	10.6280
183.500	11.8640
198.500	11.8640

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Name: NB0028	Base Flow(cfs): 0.000	Init Stage(ft): 140.700
Group: B		Warn Stage(ft): 145.700
Type: Stage/Area		

Stage(ft)	Area(ac)
140.090	0.1000
140.100	1.5790
143.000	2.5130
144.000	3.1480
144.100	3.4190
148.200	5.3510
152.100	7.5460
157.200	10.8780
162.300	14.7450
171.000	22.5060
184.000	25.0650
199.000	25.0650

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Name: NB0029	Base Flow(cfs): 0.000	Init Stage(ft): 158.100
Group: B		Warn Stage(ft): 163.100
Type: Stage/Area		

Stage(ft)	Area(ac)
158.100	0.1000
158.700	0.3360

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

159.700	1.5790
160.200	2.1530
160.700	2.7370
161.200	3.4360
161.700	4.4410
162.200	5.7780
163.200	9.5090
163.700	11.7430
164.200	13.4850
164.700	15.1280
165.200	16.6250
165.700	18.0840
166.200	19.6730
166.700	21.3380
167.200	22.6560
167.700	24.2400
168.200	26.8330
169.700	31.9410

Name: NB0030	Base Flow(cfs): 0.000	Init Stage(ft): 130.200
Group: B		Warn Stage(ft): 134.900
Type: Stage/Area		

Stage (ft)	Area (ac)
127.800	0.1000
128.400	21.8400
129.900	24.6290
130.400	40.2570
130.900	42.0840
131.400	42.8710
131.900	43.4680
132.400	44.2690
132.900	45.0850
133.400	45.8250
133.900	46.4530
134.400	47.0870
135.900	48.8500
136.400	49.4590
136.900	50.0740
137.400	50.7420
139.900	54.0770
140.400	54.7180
141.900	56.7580
143.900	59.4470
144.400	60.1570
145.400	61.3610
146.400	62.6300
146.900	63.2720
147.900	64.4920
148.400	65.1450
148.900	65.8050
149.400	66.4790
151.900	69.9400
153.900	72.7470
154.400	73.4480
154.900	74.1780
155.400	74.9270
156.400	76.4870
156.900	77.2750
157.400	78.0780
157.900	78.9040
158.400	79.7700
158.900	80.6190
159.400	81.5720
161.400	85.7000
161.900	86.7490
162.400	87.9490
162.900	89.2590
164.400	93.6960
164.900	95.1450

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

165.400	96.5240
166.400	99.4400
166.900	101.1430
168.400	105.3740
168.900	106.8850
170.900	109.1370

Name: NB0031	Base Flow(cfs): 0.000	Init Stage(ft): 141.000
Group: B		Warn Stage(ft): 146.000
Type: Stage/Area		

Stage (ft)	Area (ac)
140.090	0.1000
140.100	0.4050
149.600	2.1970
155.800	3.6520
161.400	5.2740
167.100	11.9480
171.200	12.0660
186.200	12.0660

Name: NB0033	Base Flow(cfs): 0.000	Init Stage(ft): 147.000
Group: B		Warn Stage(ft): 152.000
Type: Stage/Area		

Stage (ft)	Area (ac)
146.090	0.1000
146.100	0.8510
149.000	1.4380
151.000	2.0450
153.800	3.2300
156.600	4.7830
160.500	7.5700
164.400	11.0900
169.000	16.1820
176.800	22.9850
191.800	22.9850

Name: NB0038	Base Flow(cfs): 0.000	Init Stage(ft): 141.000
Group: B		Warn Stage(ft): 146.000
Type: Stage/Area		

Stage (ft)	Area (ac)
136.200	0.1000
140.100	0.9350
144.100	1.3700
145.400	1.8040
145.500	1.8430
145.600	1.9510
149.300	3.0380
152.200	4.0000
156.300	5.5150
160.400	7.2290
164.700	9.2160
169.000	11.4050
169.100	18.0770

Name: NB0039	Base Flow(cfs): 0.000	Init Stage(ft): 152.000
Group: B		Warn Stage(ft): 157.000
Type: Stage/Area		

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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Stage (ft)	Area (ac)
151.090	0.1000
151.100	0.1580
155.200	0.5060
158.400	1.1420
162.000	2.0920
164.300	2.8400
169.000	4.6860
169.100	8.7360
173.600	8.7370
188.600	8.7370

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Name: NB0040                      Base Flow(cfs): 0.000                      Init Stage(ft): 130.200  
Group: B                              Warn Stage(ft): 133.020  
Type: Stage/Area

Stage (ft)	Area (ac)
114.900	0.1000
115.000	595.2840
117.000	613.1370
121.000	649.3510
121.500	653.9330
124.500	681.6290
128.000	714.4280
128.500	719.1990
129.000	724.1600
129.500	733.3620
130.000	843.4620
130.500	954.8310
131.000	984.7260
131.500	1002.9240
132.000	1015.9340
132.500	1025.3560
133.000	1033.1890
133.500	1041.9350
134.000	1048.9820
135.000	1061.4810
135.500	1067.8510
136.000	1074.2840
137.000	1085.6050
137.500	1090.8490
138.000	1096.0560
138.500	1101.3270
139.000	1106.3630
139.500	1111.1890
140.000	1116.2320
140.500	1120.7730
141.000	1125.1730
142.500	1137.4990
143.000	1141.7660
143.500	1145.9900
145.500	1161.8830
146.000	1165.9760
146.500	1170.1430
147.500	1178.5390
149.000	1192.1500
150.000	1200.1390
151.500	1212.9990
152.000	1216.9490
152.500	1220.9480
153.000	1224.3860
153.500	1227.9450
154.000	1231.4910
155.000	1237.7270
155.500	1240.9140
157.000	1253.2360
158.000	1262.3570



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

158.500	1266.3140
159.000	1270.1480
159.500	1273.6750
161.000	1283.8400
162.500	1294.2360
163.000	1297.6260
163.500	1301.0360
164.000	1304.3230
164.500	1307.6200
165.500	1313.8640
166.000	1317.1070
167.500	1326.9780
168.000	1330.4140
168.500	1333.9210
169.000	1337.2450
169.500	1340.1600
170.000	1342.8050
170.500	1345.4270
171.000	1347.6490
171.500	1349.7990
172.000	1351.3790
172.500	1352.7160
173.500	1355.0080
174.000	1356.1460
174.500	1357.2160
175.500	1359.0290
176.000	1360.0130
176.500	1361.0640
177.000	1362.0770
177.500	1362.7630
179.000	1364.5360
179.500	1365.2570
180.000	1365.8890
180.500	1366.1460
181.000	1366.4280
181.500	1366.7300
182.000	1367.0340
183.000	1367.7000
184.000	1368.3350
184.500	1368.6810
185.000	1369.0570
185.500	1369.4420
186.000	1369.9020
186.500	1370.4080
187.500	1371.6940
188.000	1372.3850
189.500	1373.6060

Name: NB0042	Base Flow(cfs): 0.000	Init Stage(ft): 130.200
Group: B		Warn Stage(ft): 135.200
Type: Stage/Area		

Stage (ft)	Area (ac)
129.400	0.1000
130.400	0.3060
131.400	1.2630
131.900	1.6350
132.900	2.1840
133.400	2.4730
133.900	2.8470
134.400	3.1140
134.900	3.3750
135.400	3.5100
136.400	3.7180
136.900	3.8130
137.400	3.9110
138.400	4.0610
138.900	4.1290
139.400	4.2030
141.400	4.5930

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

142.400	4.7640
142.900	4.8360
143.400	4.9200
147.400	5.4550
149.900	5.8140
150.400	5.9040
151.400	6.1340
153.400	6.6250
153.900	6.7230
154.400	6.8180
154.900	6.9320
156.900	7.3870
157.400	7.5330
157.900	7.7140
158.400	7.8720
158.900	8.1010
160.900	9.6450
161.400	10.0140
161.900	10.3240
162.400	10.5530
163.400	10.8320
165.900	11.5970
167.400	12.1540
167.900	12.3380
170.900	13.6230
171.400	13.8300
171.900	14.0400
172.400	14.2920
175.900	16.0270
176.400	16.2670
177.400	16.8230
177.900	17.0940
179.900	18.5540

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Name: NB0043          Base Flow(cfs): 0.000          Init Stage(ft): 143.090
Group: B              Warn Stage(ft): 148.090
Type: Time/Stage

```

Time (hrs)	Stage (ft)
0.00	143.090
200.00	143.090

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-----
Name: NB0050          Base Flow(cfs): 0.000          Init Stage(ft): 129.420
Group: B              Warn Stage(ft): 133.600
Type: Time/Stage

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Time (hrs)	Stage (ft)
0.00	129.420
200.00	129.420

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-----
Name: NB0102          Base Flow(cfs): 0.000          Init Stage(ft): 139.200
Group: B              Warn Stage(ft): 144.200
Type: Time/Stage

```

Time (hrs)	Stage (ft)
0.00	139.200
200.00	139.200

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-----
Name: NB2010          Base Flow(cfs): 0.000          Init Stage(ft): 131.250
Group: B              Warn Stage(ft): 136.250
Type: Stage/Area

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Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

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Stage (ft)	Area (ac)
121.300	0.1000
121.400	5.8570
122.400	6.5880
122.900	6.9730
123.400	7.3610
123.900	7.7610
125.400	9.0320
125.900	9.4740
126.900	10.3900
127.400	10.8600
128.400	11.9360
129.400	12.9590
129.900	13.4880
130.400	14.0230
130.900	14.5620
131.400	17.4290
132.400	23.9280
132.900	26.3680
133.400	28.1640
133.900	29.3800
134.400	30.4130
134.900	31.5080
135.400	32.8160
135.900	34.1650
137.900	38.7650
138.400	39.9830
138.900	41.2340
139.400	42.3220
140.400	44.3080
140.900	45.4940
141.400	46.4180
141.900	47.0980
143.400	48.7740
143.900	49.3490
144.400	50.0220
144.900	50.8060
145.900	52.5180
146.900	54.0790
147.400	54.9540
147.900	55.8680
148.400	56.8030
148.900	57.8500
151.400	63.3250
152.400	65.5300
152.900	66.6710
153.400	67.8580
153.900	69.0690
154.400	70.3880
154.900	71.8780
156.400	76.9400
156.900	78.4250
157.400	79.6490
157.900	80.9450
158.400	82.4990
159.400	84.3930
160.900	86.0060
161.400	86.5190
162.900	87.5750

Name: NB2020  
 Group: B  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 129.600  
 Warn Stage(ft): 134.600

Stage (ft)	Area (ac)
128.790	78.5400

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

132.500	92.7060
133.000	100.1290
133.500	104.3640
134.000	106.9110
136.000	116.7190
136.500	118.8530
138.000	123.3220
138.500	124.7560
139.000	126.1360
139.500	127.6350
140.000	128.6750
140.500	129.5910
141.500	131.3460
143.000	133.9670
144.000	135.7560
144.500	136.6640
146.500	140.4360
147.000	141.3900
149.000	145.3580
149.500	146.3710
150.000	147.4010
150.500	148.4690
151.000	149.5560
152.500	152.8820
153.500	155.1200
154.000	156.2460
154.500	157.4230
155.000	158.5910
155.500	159.7690
156.000	161.0180
156.500	162.3550
158.000	167.3640
158.500	169.5020
159.500	172.0000
160.000	173.3430
161.000	175.7080
162.000	177.2500
162.500	178.1270
163.000	178.9420
165.000	181.9510

Name: NB2022                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.200  
 Group: B                              Warn Stage(ft): 137.200  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.800	0.1000
131.900	0.1030
132.400	0.8800
132.900	1.4290
133.400	1.5770
133.900	1.6160
134.400	1.6490
134.900	1.6560

Name: NB2030                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.200  
 Group: B                              Warn Stage(ft): 137.200  
 Type: Stage/Area

Stage (ft)	Area (ac)
130.900	0.1000
131.200	3.0180
131.700	3.0840
132.200	3.2490
132.700	3.5040
133.200	3.7140

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

133.700	3.9050
134.200	4.0310
134.700	4.1060
135.200	4.1450
135.700	4.1930

Name: NB2040	Base Flow(cfs): 0.000	Init Stage(ft): 132.200
Group: B		Warn Stage(ft): 137.200
Type: Stage/Area		

Stage (ft)	Area (ac)
116.100	0.1000
116.110	21.3630
118.100	24.4700
118.600	25.2730
119.100	26.0700
120.600	28.5620
121.100	29.4270
121.600	30.2770
123.100	32.9210
123.600	33.8190
124.100	34.7350
125.600	37.5290
126.600	39.4420
127.100	40.4170
127.600	41.4100
128.100	42.2130
128.600	43.2380
129.600	45.3240
130.100	46.4150
130.600	47.5160
131.100	48.6270
131.600	50.7670
132.100	53.6360
132.600	55.4410
133.100	57.0670
133.600	58.0530
134.100	58.9680
134.600	59.7890
135.100	60.5360
135.600	61.2740
136.600	63.4100
137.100	64.4440
138.100	65.8080
138.600	66.6250
139.100	67.5290
139.600	68.5560
140.100	69.7420
140.600	70.9190
141.600	72.9260
144.100	78.1590
144.600	79.2110
146.100	82.2260
148.600	87.3480
151.600	93.2940
152.600	95.3280
154.600	99.5560
155.100	100.6570
155.600	101.7630
156.100	102.8400
156.600	103.9650
158.100	107.6950
158.600	108.9660
159.100	110.2870
159.600	111.6980
160.100	113.2280
160.600	114.8000
161.100	116.4700
161.600	118.1730
162.600	122.0470

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

163.600	125.5240
164.100	127.0950
164.600	128.5580
166.600	132.6780
167.100	133.8070
168.100	136.8490
170.100	141.6260

Name: NB2050	Base Flow(cfs): 0.000	Init Stage(ft): 129.600
Group: B		Warn Stage(ft): 134.600
Type: Stage/Area		

Stage (ft)	Area (ac)
129.140	0.1000
131.400	4.5360
131.900	4.7000
132.400	5.2850
132.900	6.3600
133.400	7.1810
134.400	8.5900
134.900	9.2250
135.400	9.8810
135.900	10.5840
136.400	11.3530
136.900	11.6450
137.400	11.8840
139.400	12.7620
139.900	12.9720
140.400	13.1840
170.000	27.0200

Name: NB2055	Base Flow(cfs): 0.000	Init Stage(ft): 136.000
Group: B		Warn Stage(ft): 141.000
Type: Stage/Area		

Stage (ft)	Area (ac)
136.000	0.0100
142.000	0.0200
146.000	0.1110
152.000	0.8260
157.000	2.0370
161.000	4.0613
164.000	14.8240
166.000	22.2200
170.000	31.8780

Name: NB2070	Base Flow(cfs): 0.000	Init Stage(ft): 129.600
Group: B		Warn Stage(ft): 134.600
Type: Stage/Area		

Stage (ft)	Area (ac)
116.300	0.1000
116.400	126.6710
117.900	131.9470
120.400	140.9030
120.900	142.7210
121.400	144.5280
123.900	153.8360
124.400	155.7250
125.900	161.4710
126.400	163.4210
126.900	165.3870

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

127.400	167.3580
127.900	169.3520
128.400	171.7740
129.400	175.8680
129.900	177.9400
130.400	180.0050
130.900	182.1420
131.400	219.1650
131.900	232.3220
132.400	244.6820
132.900	260.1100
133.400	278.1120
133.900	289.7800
134.900	312.1110
135.400	324.0740
135.900	333.7170
136.400	341.2440
136.900	346.7320
137.400	351.6180
137.900	355.6810
138.400	359.2110
138.900	362.6730
139.400	365.9330
139.900	369.1440
140.400	372.2190
140.900	375.2260
141.400	378.0880
141.900	380.9260
142.400	383.5030
142.900	385.9180
143.400	387.9800
143.900	389.9190
144.400	391.4970
144.900	392.8040
145.400	394.0210
145.900	395.1990
146.400	396.3090
146.900	397.2970
148.400	400.0510
148.900	401.0870
149.400	402.0320
149.900	402.7160
151.400	403.4990
153.900	404.9230
154.400	405.2340
155.900	405.9940
157.400	406.5130

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Name: NB2112          Base Flow(cfs): 0.000      Init Stage(ft): 130.100
Group: B              Warn Stage(ft): 135.100
Type: Time/Stage
  
```

Time (hrs)	Stage (ft)
0.00	130.100
200.00	130.100

```

Name: NB2120          Base Flow(cfs): 0.000      Init Stage(ft): 131.000
Group: B              Warn Stage(ft): 136.000
Type: Stage/Area
  
```

Stage (ft)	Area (ac)
130.100	47.6900
133.200	50.4150
133.700	52.7320
134.200	55.6220
134.700	58.7430

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

135.200	60.9360
135.700	62.5450
136.200	63.9430
137.200	66.2630
137.700	67.3660
138.200	68.3400
138.700	69.2360
139.700	70.7350
140.200	71.4850
140.700	72.1990
141.200	72.8660
141.700	73.4780
142.200	74.0500
143.700	75.6810
144.200	76.2410
144.700	76.8310
146.200	78.3980
146.700	78.9160
147.200	79.5590
147.700	80.1360
148.200	80.7360
148.700	81.3940
149.200	82.4310
149.700	83.1550
150.700	83.7900
151.200	84.1200
152.200	84.8270
152.700	85.2000
153.200	85.5720
153.700	85.9530
154.200	86.3460
155.700	87.6170
159.200	90.5050
159.700	90.9940
160.200	91.5270
160.700	92.2910
161.200	93.2460
161.700	94.6610
162.200	95.8120
162.700	97.3910
163.200	98.2030
163.700	98.9380
164.200	99.5990
165.200	100.7230
168.200	104.0440
171.200	107.1730

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-----
Name: NB2124          Base Flow(cfs): 0.000      Init Stage(ft): 131.710
Group: B              Warn Stage(ft): 136.710
Type: Time/Stage
  
```

Time (hrs)	Stage (ft)
0.00	0.100
129.10	1.839

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-----
Name: NB2130          Base Flow(cfs): 0.000      Init Stage(ft): 129.600
Group: B              Warn Stage(ft): 134.600
Type: Time/Stage
  
```

Time (hrs)	Stage (ft)
0.00	129.600
200.00	129.600

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==== Cross Sections =====
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Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

0.100	141.090	0.035000
227.900	141.090	0.035000
228.000	146.090	0.035000

-----  
 Name: XB0008C                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	156.090	0.035000
0.100	151.090	0.035000
449.980	151.090	0.035000
450.080	156.090	0.035000

-----  
 Name: XB0009A                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	144.090	0.035000
0.100	139.090	0.035000
364.530	139.090	0.035000
364.630	144.090	0.035000

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 Name: XB0010A                                 Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	185.830	0.035000
221.000	184.400	0.035000
322.000	182.550	0.035000
393.000	180.200	0.035000
452.000	177.340	0.035000
546.000	174.280	0.035000
725.000	161.050	0.035000
861.000	154.750	0.035000
1047.000	147.990	0.035000
1247.000	142.380	0.035000
1290.000	140.700	0.035000
1391.000	140.300	0.035000
1470.000	141.360	0.035000
1494.000	141.340	0.035000
1499.000	140.800	0.035000
1517.100	141.470	0.035000
1534.000	140.750	0.035000
1548.000	141.420	0.035000
1557.000	140.540	0.035000
1569.000	141.350	0.035000
1586.000	141.390	0.035000
1638.000	139.870	0.035000
1651.000	140.070	0.035000
1659.000	140.940	0.035000
1684.000	140.400	0.035000
1705.000	141.040	0.035000
1712.000	140.630	0.035000
1741.000	140.950	0.035000
1801.000	139.400	0.035000
1815.000	140.400	0.035000
1887.000	140.600	0.035000
1998.000	140.500	0.035000
2044.000	139.900	0.035000
2056.000	140.350	0.035000
2082.000	139.350	0.035000
2093.000	140.100	0.035000

Existing Peace Creek Model (Basins 1-4)  
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2128.000	140.500	0.035000
2157.000	139.310	0.035000
2199.000	140.280	0.035000
2230.000	139.700	0.035000
2241.000	140.230	0.035000
2262.000	140.000	0.035000
2282.000	141.180	0.035000
2383.000	141.910	0.035000
2515.000	146.390	0.035000
2872.000	153.300	0.035000
2892.000	154.420	0.035000
2929.000	154.700	0.035000
3000.000	156.540	0.035000
3025.000	156.350	0.035000

Name: XB0012B                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	156.090	0.035000
0.100	151.090	0.035000
216.370	151.090	0.035000
216.470	156.090	0.035000

Name: XB0012C                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	156.090	0.035000
0.100	151.090	0.035000
289.960	151.090	0.035000
290.060	156.090	0.035000

Name: XB0020B                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	149.090	0.035000
0.100	144.090	0.035000
224.350	144.090	0.035000
224.450	149.090	0.035000

Name: XB0027B                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	176.090	0.035000
0.100	171.090	0.035000
1393.070	171.090	0.035000
1393.170	176.090	0.035000

Name: XB0028B                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	176.090	0.035000
0.100	171.090	0.035000
1393.070	171.090	0.035000
1393.170	176.090	0.035000

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
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0.000	176.090	0.035000
0.100	171.090	0.035000
1210.140	171.090	0.035000
1210.240	176.090	0.035000

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Name: XB0029A                                                          Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	166.700	0.035000
25.000	166.700	0.035000
134.000	165.700	0.035000
249.000	164.100	0.035000
334.000	163.700	0.035000
343.000	163.500	0.035000
430.000	163.400	0.035000
484.000	163.600	0.035000
537.000	164.200	0.035000
628.000	164.700	0.035000
683.000	165.380	0.035000
713.000	166.240	0.035000
766.000	166.750	0.035000
787.100	166.700	0.035000
803.000	166.240	0.035000
808.000	166.440	0.035000
855.000	166.400	0.035000
878.000	166.610	0.035000
917.000	166.400	0.035000
940.000	166.680	0.035000
1032.100	166.700	0.035000
1121.000	166.500	0.035000
1200.000	167.400	0.035000
1292.000	169.180	0.035000
1419.000	169.900	0.035000

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Name: XB0030A                                                          Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	169.450	0.035000
35.000	169.000	0.035000
81.000	168.950	0.035000
101.000	169.290	0.035000
123.000	169.100	0.035000
395.000	169.600	0.035000
597.000	169.100	0.035000
639.000	169.600	0.035000
723.000	168.400	0.035000
1027.000	166.200	0.035000
1205.000	164.500	0.035000
1294.000	163.900	0.035000
1438.000	163.300	0.035000
1528.000	163.600	0.035000
1631.000	164.400	0.035000
1690.000	165.150	0.035000
1724.000	166.150	0.035000
1749.000	166.380	0.035000
1795.000	166.000	0.035000
1835.000	166.510	0.035000
1941.000	166.700	0.035000

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Name: XB0031B                                                          Group: B  
Encroachment: No



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

2786.000	133.400	0.035000
3356.100	133.700	0.035000
3426.000	132.800	0.035000
3456.000	131.900	0.035000
3684.100	131.200	0.035000
3907.000	131.600	0.035000
3969.100	132.900	0.035000
3984.000	133.790	0.035000
4000.000	133.100	0.035000
4125.000	133.300	0.035000
4325.000	139.380	0.035000
4479.000	142.100	0.035000
4628.000	143.400	0.035000
4655.000	143.100	0.035000
4737.000	143.600	0.035000
4898.000	146.020	0.035000
5203.000	146.740	0.035000
5401.000	148.800	0.035000
5545.000	151.030	0.035000

Name: XB0040B  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	161.630	0.035000
8.000	161.600	0.035000
23.000	160.800	0.035000
83.000	158.990	0.035000
93.000	158.320	0.035000
98.100	157.510	0.035000
133.000	156.110	0.035000
190.000	153.090	0.035000
224.000	150.760	0.035000
229.000	150.680	0.035000
244.000	149.320	0.035000
249.000	149.220	0.035000
254.000	148.600	0.035000
275.000	147.230	0.035000
281.000	147.140	0.035000
341.000	143.200	0.035000
397.000	140.140	0.035000
412.000	138.940	0.035000
450.000	137.170	0.035000
470.000	135.950	0.035000
479.000	134.890	0.035000
492.000	134.620	0.035000
495.000	134.220	0.035000
510.000	133.500	0.035000
527.000	133.870	0.035000
588.000	132.860	0.035000
593.000	132.860	0.035000
598.000	133.310	0.035000
623.000	133.250	0.035000
698.000	134.370	0.035000
738.000	135.880	0.035000
753.000	137.760	0.035000
773.000	138.600	0.035000
849.000	140.390	0.035000
920.000	141.700	0.035000
1088.000	146.620	0.035000
1119.000	147.860	0.035000
1237.000	151.480	0.035000
1412.000	155.740	0.035000
1550.000	157.320	0.035000
1780.000	157.600	0.035000
1795.000	158.100	0.035000
1810.000	159.340	0.035000
1821.000	160.620	0.035000
1836.000	162.950	0.035000
1851.000	164.150	0.035000

Dewberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

1911.000	166.000	0.035000
2001.000	167.950	0.035000
2027.000	168.270	0.035000
2066.000	169.630	0.035000

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 Name: XB0040C                                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	162.630	0.035000
326.000	159.240	0.035000
533.000	155.350	0.035000
591.000	153.550	0.035000
613.000	151.780	0.035000
706.000	150.560	0.035000
751.000	149.100	0.035000
789.000	148.650	0.035000
881.000	144.300	0.035000
969.000	140.750	0.035000
1030.000	137.500	0.035000
1110.000	137.210	0.035000
1172.000	133.800	0.035000
1263.000	133.800	0.035000
1317.000	131.700	0.035000
1347.000	131.620	0.035000
1395.000	130.500	0.035000
1683.000	130.700	0.035000
1858.100	130.100	0.035000
1874.000	130.800	0.035000
1905.000	130.290	0.035000
3165.000	130.500	0.035000
3537.000	130.100	0.035000
3600.000	130.550	0.035000
3647.000	130.000	0.035000
3937.000	130.100	0.035000
3968.000	130.800	0.035000
4025.000	129.900	0.035000
4099.000	130.570	0.035000
4119.000	130.200	0.035000
4176.000	130.500	0.035000
4186.000	130.910	0.035000
4197.000	132.240	0.035000
4205.000	132.600	0.035000
4276.000	132.300	0.035000
4331.000	133.180	0.035000
4436.000	132.400	0.035000
4519.100	132.700	0.035000
4546.000	133.380	0.035000
4594.100	133.600	0.035000
4646.000	133.100	0.035000
4779.000	137.600	0.035000
5044.000	148.900	0.035000
5330.000	160.170	0.035000
5340.000	161.180	0.035000
5356.000	161.240	0.035000
5389.000	163.090	0.035000
5494.000	164.450	0.035000
5528.000	165.320	0.035000
5810.000	168.250	0.035000

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 Name: XB0042C                                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	168.950	0.035000
104.000	170.900	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

119.000	170.950	0.035000
144.000	171.650	0.035000
164.000	171.750	0.035000
194.000	172.600	0.035000
281.000	173.700	0.035000
369.000	175.710	0.035000
399.000	175.800	0.035000
569.000	178.600	0.035000
693.000	179.830	0.035000
777.000	179.300	0.035000
826.000	179.600	0.035000
1173.000	180.000	0.035000
1320.000	179.130	0.035000
1539.000	175.800	0.035000
1563.000	175.100	0.035000
1701.000	172.550	0.035000
1780.000	170.400	0.035000
1825.000	168.100	0.035000
1859.000	166.920	0.035000
1948.000	161.200	0.035000
1969.000	160.220	0.035000
1974.000	159.870	0.035000
1979.000	159.100	0.035000
2010.000	156.880	0.035000
2075.000	151.400	0.035000
2085.000	150.900	0.035000
2180.000	143.500	0.035000
2240.000	139.900	0.035000
2260.000	139.100	0.035000
2281.000	138.830	0.035000
2293.000	137.810	0.035000
2307.000	137.290	0.035000
2361.000	136.000	0.035000
2471.000	134.600	0.035000
2550.000	134.500	0.035000
2623.100	134.880	0.035000
2775.000	134.850	0.035000
2821.000	135.190	0.035000
2888.000	135.000	0.035000
2893.000	135.240	0.035000
2909.000	134.900	0.035000
2939.000	134.900	0.035000
3006.000	135.500	0.035000
3057.000	136.200	0.035000
3102.100	137.800	0.035000
3165.000	139.450	0.035000
3176.000	140.020	0.035000
3274.000	141.720	0.035000

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 Name: XB0043A                                            Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	152.340	0.035000
0.100	147.340	0.035000
347.720	147.340	0.035000
347.820	152.340	0.035000

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 Name: XB0046B                                            Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	148.030	0.035000
8.000	148.000	0.035000
14.000	147.900	0.035000
20.000	147.900	0.035000



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

25.000	147.800	0.035000
35.000	147.800	0.035000
41.000	147.700	0.035000
50.100	147.700	0.035000
91.000	147.700	0.035000
99.000	147.830	0.035000

Name: XB0105A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	164.500	0.035000
16.000	163.700	0.035000
57.000	163.800	0.035000
190.000	162.100	0.035000
466.000	157.700	0.035000
525.000	157.360	0.035000
560.000	156.100	0.035000
617.000	156.240	0.035000
724.000	155.100	0.035000
745.100	155.720	0.035000
765.000	154.480	0.035000
991.000	151.100	0.035000
1319.000	148.450	0.035000
1422.000	149.500	0.035000
1497.000	148.500	0.035000
1691.000	148.870	0.035000
1736.000	149.700	0.035000
1811.000	149.500	0.035000
1893.000	150.900	0.035000
1984.000	150.400	0.035000
2176.000	151.900	0.035000
2310.000	152.010	0.035000
2331.000	152.630	0.035000
2578.000	152.000	0.035000
2660.000	152.200	0.035000
2677.000	152.770	0.035000
2721.000	152.150	0.035000

Name: XB0137C Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	133.300	0.035000
25.000	133.200	0.035000
127.000	134.020	0.035000
137.000	134.500	0.035000
143.000	134.200	0.035000
184.000	134.400	0.035000
215.000	135.300	0.035000
225.000	135.100	0.035000
315.000	136.720	0.035000
326.000	136.400	0.035000
375.100	136.500	0.035000
397.000	137.580	0.035000
437.000	138.240	0.035000
487.000	138.170	0.035000
498.100	137.550	0.035000
513.000	138.030	0.035000
545.000	136.800	0.035000
643.000	137.550	0.035000
792.000	136.590	0.035000
888.000	136.850	0.035000
1009.100	138.600	0.035000
1123.000	141.600	0.035000
1163.000	143.460	0.035000

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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1189.000	144.100	0.035000
1261.000	147.080	0.035000
1391.000	151.600	0.035000
1513.000	156.800	0.035000
1761.000	168.900	0.035000
1795.000	169.900	0.035000
1876.100	173.300	0.035000
1999.000	176.580	0.035000
2070.000	177.800	0.035000
2080.000	178.300	0.035000
2176.000	179.350	0.035000
2244.000	179.400	0.035000
2265.000	179.800	0.035000
2281.000	180.710	0.035000
2303.000	180.810	0.035000
2354.000	179.700	0.035000
2455.000	179.600	0.035000
2589.000	178.300	0.035000
2600.000	178.580	0.035000
2642.000	177.600	0.035000
2940.000	175.300	0.035000
2968.000	175.610	0.035000
2997.000	175.300	0.035000
3027.000	175.730	0.035000
3046.000	175.400	0.035000
3129.000	175.400	0.035000
3280.000	175.800	0.035000

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Name: XB1000C  
Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	144.580	0.035000
23.000	144.800	0.035000
44.000	144.710	0.035000
64.000	145.090	0.035000
85.000	145.200	0.035000
106.000	145.720	0.035000
111.000	145.600	0.035000
126.000	146.000	0.035000
136.000	146.000	0.035000
149.000	146.450	0.035000
157.000	146.400	0.035000
188.000	147.460	0.035000
219.000	148.100	0.035000
290.100	150.820	0.035000
342.000	152.640	0.035000
362.000	153.750	0.035000
374.000	154.020	0.035000
404.100	155.510	0.035000
435.000	156.600	0.035000
490.000	159.000	0.035000
575.000	161.750	0.035000
595.000	162.200	0.035000
630.000	162.600	0.035000
688.000	162.370	0.035000

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Name: XB1030A  
Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	173.750	0.035000
13.100	173.070	0.035000
37.000	172.230	0.035000
49.000	171.570	0.035000
109.000	167.650	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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145.000	164.850	0.035000
182.100	162.220	0.035000
203.000	161.100	0.035000
238.000	158.850	0.035000
245.000	158.300	0.035000
258.000	157.970	0.035000
277.000	157.030	0.035000
317.100	154.700	0.035000
348.000	153.450	0.035000
404.000	151.880	0.035000
438.000	150.720	0.035000
470.000	150.100	0.035000
513.000	149.700	0.035000
535.000	149.900	0.035000
559.000	149.900	0.035000
621.000	150.800	0.035000
628.000	151.140	0.035000
633.000	151.830	0.035000
654.000	153.540	0.035000
686.000	155.720	0.035000
723.000	158.560	0.035000
734.000	159.600	0.035000
755.000	160.760	0.035000
760.000	161.360	0.035000
779.000	162.860	0.035000
803.000	163.730	0.035000
814.000	164.730	0.035000
826.000	164.660	0.035000
873.000	166.380	0.035000
896.000	167.400	0.035000
967.000	168.600	0.035000
1044.000	169.600	0.035000
1151.000	170.200	0.035000
1180.000	170.630	0.035000
1251.000	172.000	0.035000
1278.000	172.600	0.035000
1295.100	172.600	0.035000
1328.100	171.900	0.035000
1345.000	171.870	0.035000

Name: XB1035D  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	172.230	0.035000
38.000	172.150	0.035000
147.000	169.710	0.035000
237.000	164.670	0.035000
252.000	164.720	0.035000
402.000	156.900	0.035000
417.000	156.650	0.035000
532.000	151.190	0.035000
552.000	151.000	0.035000
569.000	149.370	0.035000
621.000	147.120	0.035000
682.000	143.540	0.035000
781.000	141.230	0.035000
860.000	141.200	0.035000
891.000	140.270	0.035000
908.000	141.150	0.035000
939.000	140.870	0.035000
987.000	141.640	0.035000
1073.000	141.600	0.035000
1119.000	142.160	0.035000
1326.000	141.310	0.035000
1350.000	140.400	0.035000
1364.000	141.110	0.035000
1401.000	141.530	0.035000
1622.000	140.850	0.035000
1712.000	141.900	0.035000



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

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434.000	164.520	0.035000
439.000	164.300	0.035000
454.000	164.200	0.035000
499.000	163.100	0.035000
536.000	162.570	0.035000
554.000	162.060	0.035000
564.000	162.300	0.035000
574.000	161.450	0.035000
584.000	161.000	0.035000
589.000	161.010	0.035000
593.000	160.630	0.035000
594.000	160.400	0.035000
605.000	160.230	0.035000
615.000	159.730	0.035000
638.000	159.230	0.035000
646.000	159.380	0.035000
651.000	158.900	0.035000
662.100	158.320	0.035000
692.000	157.740	0.035000
697.000	157.300	0.035000
702.000	157.250	0.035000
712.000	156.650	0.035000
722.000	156.500	0.035000
737.000	155.430	0.035000
753.000	154.910	0.035000
758.000	154.600	0.035000
808.000	153.300	0.035000
872.000	152.350	0.035000
899.000	152.250	0.035000
981.000	151.480	0.035000
1021.100	150.520	0.035000
1087.000	149.600	0.035000
1197.000	147.250	0.035000
1272.000	145.950	0.035000
1297.000	145.270	0.035000
1307.000	145.280	0.035000
1317.000	144.710	0.035000
1332.000	144.500	0.035000
1358.000	144.400	0.035000
1368.000	144.550	0.035000
1393.000	144.300	0.035000
1403.000	144.450	0.035000
1423.000	144.250	0.035000
1458.000	144.300	0.035000
1468.000	144.150	0.035000
1483.000	144.300	0.035000
1491.000	144.220	0.035000

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 Name: XB2020C  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
142.000	136.650	0.035000
241.100	136.300	0.035000
247.000	136.560	0.035000
252.000	136.300	0.035000
283.000	136.460	0.035000
309.000	136.200	0.035000
314.000	136.400	0.035000
366.000	136.190	0.035000
438.000	136.280	0.035000
443.000	136.530	0.035000
463.000	136.250	0.035000
560.000	136.510	0.035000
600.000	136.500	0.035000
605.000	136.300	0.035000
649.000	136.600	0.035000
711.000	136.500	0.035000
742.000	136.100	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

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792.000	135.950	0.035000
1040.000	135.900	0.035000
1062.000	135.650	0.035000
1103.000	135.880	0.035000
1213.000	135.700	0.035000
1227.000	135.900	0.035000
1421.000	136.050	0.035000
1538.000	135.900	0.035000
1685.000	136.290	0.035000
1754.000	136.100	0.035000
1775.000	135.800	0.035000
1866.000	136.190	0.035000
1936.000	136.000	0.035000
1975.000	136.200	0.035000
2256.000	136.200	0.035000
2349.000	135.710	0.035000
2458.000	135.700	0.035000
3026.000	136.140	0.035000
3089.000	135.940	0.035000
3094.000	136.200	0.035000
3236.000	136.000	0.035000
3277.000	136.300	0.035000
3307.000	136.100	0.035000
3406.000	136.280	0.035000
3549.000	136.190	0.035000
3555.000	136.000	0.035000
3569.000	136.200	0.035000
3754.000	136.100	0.035000
3839.000	135.650	0.035000
4116.000	136.490	0.035000
4132.000	136.250	0.035000
4206.000	136.350	0.035000

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 Name: XB2020D  
 Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	154.720	0.035000
399.000	148.970	0.035000
497.000	146.540	0.035000
604.000	142.200	0.035000
688.100	141.880	0.035000
805.000	139.720	0.035000
902.000	136.200	0.035000
1044.000	133.700	0.035000
1191.000	133.500	0.035000
1276.000	135.800	0.035000
1323.000	135.720	0.035000
1362.000	133.700	0.035000
1397.100	133.400	0.035000
1472.000	135.700	0.035000
1533.000	133.200	0.035000
1811.000	133.350	0.035000
1926.000	132.300	0.035000
2060.000	133.580	0.035000
2099.000	132.400	0.035000
2445.000	132.000	0.035000
2897.000	132.900	0.035000
2937.100	132.200	0.035000
3907.000	132.100	0.035000
4094.000	133.200	0.035000
4157.000	132.200	0.035000
4240.000	132.900	0.035000
4580.000	131.800	0.035000
5262.000	132.700	0.035000
5335.000	133.600	0.035000
5346.000	136.450	0.035000
5365.000	139.020	0.035000
5394.000	139.410	0.035000
5514.000	137.870	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

5547.000	138.780	0.035000
5557.100	137.920	0.035000
5584.000	139.050	0.035000
5595.000	138.200	0.035000
5688.000	137.720	0.035000
5721.000	138.830	0.035000
5764.000	138.180	0.035000
5803.000	139.500	0.035000
5836.000	137.780	0.035000
5848.000	138.410	0.035000
5897.000	144.450	0.035000
5968.000	149.900	0.035000
6053.000	154.060	0.035000
6124.000	155.860	0.035000
6376.000	158.100	0.035000
6991.000	158.170	0.035000
7026.000	160.250	0.035000

Name: XB2022A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	132.600	0.035000
44.000	132.900	0.035000
54.000	133.400	0.035000
75.000	133.850	0.035000
97.000	133.600	0.035000
117.000	133.740	0.035000
129.000	133.400	0.035000
137.000	133.600	0.035000
145.000	133.400	0.035000
168.000	133.380	0.035000
173.000	133.200	0.035000
211.000	132.900	0.035000
261.000	133.000	0.035000

Name: XB2030ADS Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	133.330	0.035000
4.000	133.120	0.035000
9.000	132.890	0.035000
14.000	132.570	0.035000
19.000	132.420	0.035000
24.000	132.240	0.035000
29.000	132.080	0.035000
34.000	131.980	0.035000
39.000	131.810	0.035000
44.000	131.600	0.035000
49.000	131.600	0.035000
54.000	131.500	0.035000
59.000	131.460	0.035000
64.000	131.370	0.035000
72.000	131.280	0.035000
77.000	131.340	0.035000
79.000	131.440	0.035000
84.000	131.440	0.035000
90.000	131.650	0.035000
94.000	131.970	0.035000
97.000	132.060	0.035000
102.000	131.870	0.035000
104.000	131.990	0.035000
109.000	131.810	0.035000
112.000	131.680	0.035000
115.000	131.800	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

121.000	132.060	0.035000
122.000	132.070	0.035000
127.000	131.850	0.035000
131.000	132.170	0.035000
132.000	132.220	0.035000
138.000	131.100	0.035000
145.000	131.100	0.035000
156.000	131.100	0.035000
162.000	131.360	0.035000
168.000	132.290	0.035000
168.100	132.300	0.035000
174.000	132.110	0.035000
177.000	132.330	0.035000
180.000	132.600	0.035000
186.000	133.410	0.035000
187.000	133.460	0.035000
192.000	133.900	0.035000
194.000	133.960	0.035000

Name: XB2030AUS Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	133.450	0.035000
4.000	133.430	0.035000
9.000	133.350	0.035000
9.100	133.340	0.035000
19.000	132.860	0.035000
24.000	132.760	0.035000
29.000	132.440	0.035000
39.000	131.910	0.035000
44.000	131.890	0.035000
49.000	131.720	0.035000
49.100	131.700	0.035000
54.000	131.680	0.035000
59.000	131.480	0.035000
64.000	131.300	0.035000
67.000	131.320	0.035000
70.000	131.440	0.035000
72.000	131.440	0.035000
77.000	131.240	0.035000
80.000	131.240	0.035000
82.000	131.220	0.035000
83.000	131.200	0.035000
87.000	131.160	0.035000
90.000	131.160	0.035000
95.000	131.380	0.035000
97.000	131.390	0.035000
102.000	131.680	0.035000
104.000	131.710	0.035000
106.000	131.680	0.035000
109.000	131.470	0.035000
112.000	131.500	0.035000
115.000	131.490	0.035000
120.000	131.780	0.035000
121.100	131.880	0.035000
127.000	131.960	0.035000
131.000	131.500	0.035000
133.000	131.100	0.035000
149.000	131.100	0.035000
151.000	131.100	0.035000
156.000	131.980	0.035000
158.000	132.000	0.035000
162.000	132.000	0.035000
168.000	132.440	0.035000
168.100	132.490	0.035000
174.000	132.800	0.035000
177.000	132.980	0.035000
180.000	133.310	0.035000
186.000	134.000	0.035000





Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

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374.000	133.650	0.035000
379.000	133.850	0.035000
415.000	132.900	0.035000
420.000	132.950	0.035000
425.000	133.350	0.035000
435.000	133.490	0.035000
445.000	133.300	0.035000
454.000	133.550	0.035000

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 Name: XB2040A  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	133.000	0.035000
44.000	132.900	0.035000
100.000	132.400	0.035000
132.000	132.300	0.035000
155.000	132.300	0.035000
210.000	132.700	0.035000
258.000	133.500	0.035000
303.100	133.900	0.035000
403.000	136.010	0.035000
529.000	139.950	0.035000
777.000	146.960	0.035000
823.000	148.020	0.035000
885.000	149.570	0.035000
934.000	150.840	0.035000
1055.000	153.200	0.035000
1084.000	154.030	0.035000
1100.000	154.200	0.035000
1161.000	155.380	0.035000
1187.000	155.600	0.035000
1203.000	156.890	0.035000
1207.000	157.000	0.035000
1240.000	157.300	0.035000
1250.000	156.860	0.035000
1270.000	157.000	0.035000
1309.000	158.140	0.035000
1340.000	158.500	0.035000
1412.000	160.000	0.035000
1448.000	160.100	0.035000
1512.000	161.000	0.035000
1532.000	161.400	0.035000
1542.000	161.400	0.035000
1576.000	161.900	0.035000
1636.000	162.500	0.035000
1662.000	162.600	0.035000
1689.000	163.000	0.035000
1714.000	163.100	0.035000
1786.000	164.000	0.035000
1812.000	164.000	0.035000
1859.000	164.200	0.035000
1924.100	164.700	0.035000
2057.000	164.700	0.035000

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 Name: XB2040B  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	133.000	0.035000
77.000	132.800	0.035000
98.000	133.180	0.035000
119.000	133.160	0.035000
126.000	133.300	0.035000
139.000	133.080	0.035000
169.000	133.000	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

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201.000	133.200	0.035000
211.000	133.460	0.035000
227.000	133.100	0.035000
260.000	133.200	0.035000
267.000	133.320	0.035000
273.000	133.100	0.035000
282.000	133.170	0.035000
315.000	132.800	0.035000
331.000	132.750	0.035000
350.000	132.800	0.035000
364.000	132.980	0.035000
379.000	132.760	0.035000
408.000	132.900	0.035000
427.000	132.700	0.035000
444.000	132.780	0.035000
449.000	132.600	0.035000
470.000	132.710	0.035000
476.000	132.980	0.035000
483.000	133.550	0.035000

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Name: XB2050ADS                      Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	132.780	0.035000
5.000	132.730	0.035000
10.000	132.750	0.035000
15.000	132.800	0.035000
20.000	132.830	0.035000
25.000	132.820	0.035000
31.000	132.900	0.035000
36.000	132.900	0.035000
41.000	132.800	0.035000
46.000	132.830	0.035000
51.000	132.900	0.035000
56.000	132.900	0.035000
61.000	132.700	0.035000
66.000	132.420	0.035000
71.000	131.500	0.035000
75.000	131.500	0.035000
76.000	131.500	0.035000
77.000	132.320	0.035000
81.000	132.480	0.035000
86.000	132.770	0.035000
91.000	133.120	0.035000
96.000	133.400	0.035000
101.000	133.570	0.035000
106.000	133.720	0.035000
111.000	133.710	0.035000
116.100	133.800	0.035000
121.000	133.700	0.035000
126.000	133.700	0.035000
136.000	133.500	0.035000
141.000	133.500	0.035000
146.000	133.470	0.035000
151.000	133.500	0.035000
158.000	133.500	0.035000
161.000	133.490	0.035000
167.000	133.500	0.035000
172.000	133.570	0.035000
182.000	133.640	0.035000
187.000	133.630	0.035000
192.000	133.600	0.035000
197.000	133.510	0.035000
198.000	133.500	0.035000

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Name: XB2050AUS                      Group: B  
 Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	132.800	0.035000
5.100	132.800	0.035000
10.000	132.790	0.035000
15.000	132.800	0.035000
20.000	132.860	0.035000
25.000	132.850	0.035000
30.000	132.900	0.035000
35.000	132.870	0.035000
40.000	132.770	0.035000
45.000	132.800	0.035000
50.000	132.900	0.035000
55.000	132.900	0.035000
60.000	132.700	0.035000
65.000	132.450	0.035000
70.000	131.500	0.035000
75.000	131.500	0.035000
80.000	132.520	0.035000
85.000	132.810	0.035000
88.000	133.010	0.035000
90.000	133.190	0.035000
95.000	133.460	0.035000
100.000	133.640	0.035000
105.000	133.760	0.035000
111.000	133.750	0.035000
116.000	133.770	0.035000
121.000	133.700	0.035000
126.000	133.700	0.035000
136.000	133.500	0.035000
141.000	133.500	0.035000
146.000	133.440	0.035000
151.000	133.500	0.035000
156.000	133.500	0.035000
161.000	133.520	0.035000
166.000	133.510	0.035000
171.000	133.600	0.035000
176.000	133.600	0.035000
181.000	133.680	0.035000
186.000	133.660	0.035000
196.000	133.540	0.035000
198.000	133.530	0.035000

Name: XB2050D                                          Group: B  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
8.000	136.400	0.035000
23.000	136.540	0.035000
43.000	136.420	0.035000
63.000	136.590	0.035000
99.000	136.540	0.035000
125.000	136.400	0.035000
130.000	136.550	0.035000
135.000	136.450	0.035000
145.100	136.580	0.035000
150.000	136.400	0.035000
176.000	136.580	0.035000
202.000	136.360	0.035000
228.000	136.400	0.035000
233.000	136.550	0.035000
269.000	136.360	0.035000
274.000	136.450	0.035000
279.000	136.300	0.035000
306.000	136.540	0.035000
311.000	136.300	0.035000
363.000	136.630	0.035000

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

374.000	136.570	0.035000
379.000	136.380	0.035000
405.000	136.470	0.035000
427.000	136.300	0.035000
434.000	136.500	0.035000
474.000	136.500	0.035000
485.000	136.680	0.035000
500.100	136.580	0.035000
517.000	136.720	0.035000
533.000	136.450	0.035000
551.000	136.660	0.035000
561.100	136.400	0.035000
577.000	136.550	0.035000
582.000	136.300	0.035000
594.000	136.410	0.035000
609.000	136.200	0.035000
639.000	136.150	0.035000
645.000	136.280	0.035000
663.000	136.000	0.035000
701.100	136.000	0.035000
706.000	136.250	0.035000
717.000	136.000	0.035000
772.000	136.070	0.035000
780.000	135.900	0.035000
799.000	135.900	0.035000
841.000	136.000	0.035000
884.100	136.300	0.035000
906.000	136.270	0.035000
912.000	136.450	0.035000
924.000	136.400	0.035000
929.100	136.580	0.035000
935.000	136.400	0.035000
950.000	136.400	0.035000
963.000	136.500	0.035000
974.000	136.770	0.035000
981.000	136.600	0.035000
999.000	136.530	0.035000

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 Name: XB2050E                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
30.000	135.400	0.035000
40.000	134.850	0.035000
50.000	134.580	0.035000
67.000	134.600	0.035000
86.000	134.840	0.035000
100.000	134.500	0.035000
152.000	135.100	0.035000
178.000	135.000	0.035000
194.000	135.450	0.035000
208.000	135.550	0.035000

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 Name: XB2050F                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	135.550	0.035000
21.000	135.370	0.035000
36.000	134.900	0.035000
83.100	134.100	0.035000
182.000	133.400	0.035000
260.000	133.180	0.035000
292.000	132.700	0.035000
317.000	132.800	0.035000

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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350.000	133.300	0.035000
388.000	133.100	0.035000

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Name: XB2070B                                 Group: B  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	156.950	0.035000
44.000	156.700	0.035000
72.000	157.000	0.035000
98.000	157.680	0.035000
123.000	157.450	0.035000
179.000	155.840	0.035000
252.000	155.350	0.035000
281.000	154.240	0.035000
341.000	153.300	0.035000
436.000	151.250	0.035000
493.000	149.400	0.035000
550.000	148.080	0.035000
611.000	146.080	0.035000
812.000	138.440	0.035000
878.000	136.640	0.035000
922.000	135.800	0.035000
1038.100	135.400	0.035000
1210.000	136.600	0.035000
1280.100	136.700	0.035000
1414.000	135.700	0.035000
1612.000	133.200	0.035000
1656.000	133.470	0.035000
1851.100	132.900	0.035000
2174.000	133.500	0.035000
2474.000	133.400	0.035000
2603.000	133.900	0.035000
2628.000	134.500	0.035000
2652.000	133.700	0.035000
2730.000	133.500	0.035000
2804.000	133.700	0.035000
2840.000	133.350	0.035000
2873.000	133.600	0.035000
3094.000	133.500	0.035000
3271.000	132.700	0.035000
3585.000	132.900	0.035000
3648.000	132.300	0.035000
3669.000	132.720	0.035000
3714.000	132.390	0.035000
3772.000	133.080	0.035000
3909.000	132.900	0.035000
4023.000	133.200	0.035000
4281.000	134.700	0.035000
4388.000	135.900	0.035000
4548.000	136.600	0.035000
4626.000	137.900	0.035000
4860.000	140.600	0.035000
5143.000	146.300	0.035000
5263.000	148.100	0.035000
5329.000	148.900	0.035000
5596.000	149.800	0.035000

---

Name: XB2070C                                 Group: B  
Encroachment: No

---

Station(ft)	Elevation(ft)	Manning's N
0.000	136.750	0.035000
112.000	136.720	0.035000
196.000	135.800	0.035000
257.000	136.380	0.035000

---

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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383.000	135.960	0.035000
431.000	136.800	0.035000
542.000	137.200	0.035000
782.000	141.200	0.035000
971.000	143.300	0.035000
1464.000	143.940	0.035000
1519.000	144.500	0.035000
1592.000	143.230	0.035000
1640.000	143.560	0.035000
1847.000	142.100	0.035000
2089.000	141.380	0.035000
2137.000	140.550	0.035000
2195.000	140.860	0.035000
2497.000	139.780	0.035000
2615.000	138.000	0.035000
2804.000	137.100	0.035000
2999.000	139.100	0.035000
3265.000	146.350	0.035000
3307.000	146.300	0.035000
3393.000	147.700	0.035000
3487.000	146.300	0.035000
3575.100	143.790	0.035000
3637.000	142.800	0.035000
3685.000	142.600	0.035000
3746.000	143.490	0.035000
3767.000	142.850	0.035000
3862.000	142.600	0.035000
4034.000	140.800	0.035000
4207.000	141.600	0.035000
4365.000	145.100	0.035000
4493.100	146.100	0.035000
4594.000	144.400	0.035000
4672.000	144.000	0.035000
4835.100	145.720	0.035000
5137.000	140.300	0.035000
5245.000	140.000	0.035000
5739.000	146.900	0.035000
5779.000	146.460	0.035000
5887.000	143.470	0.035000
5933.000	143.770	0.035000
5996.000	144.900	0.035000
6055.000	147.600	0.035000
6108.000	149.150	0.035000
6302.000	152.400	0.035000
6512.000	155.200	0.035000
6776.000	156.950	0.035000

-----  
 Name: XB2112B  
 Encroachment: No

Group: B

---

Station(ft)	Elevation(ft)	Manning's N
0.000	137.100	0.035000
54.000	137.100	0.035000
211.000	134.800	0.035000
307.000	133.800	0.035000
427.000	133.000	0.035000
483.000	133.000	0.035000
578.000	132.400	0.035000
856.100	132.400	0.035000
956.000	132.000	0.035000
1063.100	132.000	0.035000
1181.100	131.670	0.035000
1230.000	131.670	0.035000
1322.000	132.530	0.035000
1350.000	133.180	0.035000
1388.000	133.480	0.035000
1419.000	133.100	0.035000
1439.000	133.500	0.035000
1472.000	133.400	0.035000
1493.100	133.700	0.035000

Existing Peace Creek Model (Basins 1-4)  
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1499.000	133.500	0.035000
1504.000	133.800	0.035000
1510.000	133.460	0.035000
1521.000	133.300	0.035000
1537.000	133.650	0.035000
1577.000	133.000	0.035000
1635.000	133.160	0.035000
1640.000	132.940	0.035000
1661.000	133.560	0.035000
1671.000	133.400	0.035000
1677.000	133.610	0.035000
1701.000	132.950	0.035000
1722.000	132.760	0.035000
1950.000	132.900	0.035000
2079.000	134.000	0.035000
2125.000	134.700	0.035000
2145.000	135.480	0.035000
2156.000	135.200	0.035000
2176.000	135.600	0.035000
2192.000	135.400	0.035000
2213.000	135.900	0.035000
2288.000	135.700	0.035000
2320.000	136.400	0.035000
2364.000	136.400	0.035000
2382.000	136.640	0.035000
2396.000	136.440	0.035000
2414.000	135.800	0.035000
2594.000	135.500	0.035000
2665.000	135.000	0.035000
2721.000	134.300	0.035000

-----  
 Name: XB2112C  
 Encroachment: No

Group: B

---

Station(ft)	Elevation(ft)	Manning's N
0.000	131.550	0.035000
111.000	131.000	0.035000
225.000	131.600	0.035000
332.000	131.700	0.035000
399.000	132.250	0.035000
427.000	132.700	0.035000
580.000	132.700	0.035000
627.000	132.900	0.035000
658.000	133.300	0.035000
680.000	133.000	0.035000
767.000	133.900	0.035000
839.000	134.200	0.035000
863.000	134.500	0.035000
899.000	134.580	0.035000
934.000	134.200	0.035000
1091.000	134.500	0.035000

-----  
 Name: XB2120A  
 Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	149.800	0.035000
165.000	149.700	0.035000
176.000	149.750	0.035000
188.000	150.200	0.035000
225.000	149.600	0.035000
268.000	149.300	0.035000
331.000	149.200	0.035000
363.000	149.700	0.035000
382.000	149.400	0.035000
412.000	149.200	0.035000



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

449.000	149.200	0.035000
486.000	148.900	0.035000
537.100	148.600	0.035000
543.000	148.700	0.035000
548.000	148.500	0.035000
599.000	147.660	0.035000
645.000	146.360	0.035000
692.000	144.490	0.035000
733.000	143.050	0.035000
754.000	142.150	0.035000
817.000	140.170	0.035000
955.000	137.050	0.035000
983.000	136.700	0.035000
1080.000	134.850	0.035000
1091.000	134.700	0.035000
1139.000	134.680	0.035000
1159.000	134.190	0.035000
1169.000	135.650	0.035000
1174.000	136.150	0.035000
1186.000	136.530	0.035000

Name: XB2120B  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	134.500	0.035000
131.000	134.400	0.035000
148.100	134.700	0.035000
165.000	134.380	0.035000
177.000	133.410	0.035000
189.000	134.460	0.035000
192.100	134.550	0.035000
285.000	134.400	0.035000
325.000	134.700	0.035000
390.000	134.700	0.035000
438.000	135.000	0.035000
464.000	135.580	0.035000
486.000	135.500	0.035000
542.000	134.900	0.035000
607.000	134.900	0.035000
643.000	134.500	0.035000
694.000	134.400	0.035000
854.000	135.500	0.035000
957.000	135.800	0.035000
1049.100	135.700	0.035000
1089.000	136.600	0.035000
1114.000	136.800	0.035000
1131.000	137.700	0.035000
1190.000	137.500	0.035000
1292.000	138.300	0.035000
1392.000	138.500	0.035000
1457.000	139.000	0.035000
1560.000	140.670	0.035000
1595.000	141.640	0.035000
1611.000	142.300	0.035000
1631.100	143.470	0.035000
1642.000	143.800	0.035000
1658.000	143.330	0.035000
1678.000	143.100	0.035000
1882.000	146.700	0.035000
1996.000	148.280	0.035000
2114.000	149.400	0.035000
2234.000	149.800	0.035000

Name: XB2120C  
 Encroachment: No

Group: B



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

0.000	140.290	0.035000
0.100	135.290	0.035000
711.790	135.290	0.035000
711.890	140.290	0.035000

==== Operating Tables =====

Name: MarthaOp                      Group: B  
 Type: Bottom Clip  
 Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)
0.00	0.00
300.00	0.00

Name: MaudeOp                      Group: B  
 Type: Bottom Clip  
 Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)
0.00	0.00
300.00	0.00

Name: P-5                              Group: B  
 Type: Top Clip  
 Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	60.00
4.01	60.00
4.51	60.00
5.01	60.00
5.11	48.00
5.51	0.00

Name: P-6                              Group: B  
 Type: Top Clip  
 Function: US Depth Above Invert vs. Depth of Clip

Per SWFWMD guidance During Flood Events, structure should be open 1 foot (top clip) = 18"

US Depth(ft)	Clip Depth(in)
0.00	30.00
1.31	30.00
1.56	30.00
2.51	30.00
2.61	30.00
2.71	18.00
3.31	18.00
4.31	18.00

Name: P-7                              Group: B  
 Type: Top Clip  
 Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
--------------	----------------

0.00	36.00
3.01	36.00
6.01	36.00
6.26	36.00
7.51	36.00
7.61	18.00
8.61	0.00

Name: P-8a                      Group: B  
Type: Top Clip  
Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	72.00
3.51	72.00
8.26	72.00
8.51	72.00
9.51	72.00
9.61	36.00
10.71	0.00

Name: P-8d                      Group: B  
Type: Top Clip  
Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	72.00
3.51	72.00
8.26	72.00
8.51	72.00
9.51	72.00
9.61	36.00
10.71	0.00

Name: SilverOp                 Group: B  
Type: Top Clip  
Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)
0.00	24.00
300.00	24.00

==== Pipes =====

Name: RB0010B	From Node: NB0010	Length(ft): 100.00
Group: B	To Node: NB0040	Count: 2
UPSTREAM	DOWNSTREAM	Friction Equation: Average Conveyance
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.50
Invert(ft): 129.600	129.400	Exit Loss Coef: 1.00
Manning's N: 0.024000	0.024000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dn
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:

Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Projecting

Name: RB0042A	From Node: NB0042	Length(ft): 120.00
Group: B	To Node: NB0050	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.20
Invert(ft): 131.090	130.990	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RB0042B	From Node: NB0042	Length(ft): 35.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Rectangular	Rectangular	Solution Algorithm: Automatic
Span(in): 48.00	48.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 130.200	130.000	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 90° and 15° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 90° and 15° wingwall flares

Name: RB2020A_CD03	From Node: NB2020	Length(ft): 67.00
Group: B	To Node: NB2070	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 129.270	129.500	Exit Loss Coef: 1.00
Manning's N: 0.024000	0.024000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Headwall

Pipe inverts from survey 2022

```

-----
Name: RB2020B_CD03      From Node: NB2020      Length(ft): 67.00
Group: B                To Node: NB2070      Count: 1
                        Friction Equation: Automatic
                        Solution Algorithm: Automatic
                        Flow: Both
                        Entrance Loss Coef: 0.50
                        Exit Loss Coef: 1.00
                        Bend Loss Coef: 0.00
                        Outlet Ctrl Spec: Use dc or tw
                        Inlet Ctrl Spec: Use dc
                        Stabilizer Option: None

      UPSTREAM          DOWNSTREAM
Geometry: Circular      Circular
Span(in): 36.00         36.00
Rise(in): 36.00         36.00
Invert(ft): 129.470     129.640
Manning's N: 0.024000   0.024000
Top Clip(in): 0.000     0.000
Bot Clip(in): 0.000     0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Headwall

Updated with survey, 2021.

```

-----
Name: RB2050B_CD02      From Node: NB2050      Length(ft): 65.00
Group: B                To Node: NB2070      Count: 1
                        Friction Equation: Automatic
                        Solution Algorithm: Automatic
                        Flow: Both
                        Entrance Loss Coef: 0.50
                        Exit Loss Coef: 1.00
                        Bend Loss Coef: 0.00
                        Outlet Ctrl Spec: Use dc or tw
                        Inlet Ctrl Spec: Use dc
                        Stabilizer Option: None

      UPSTREAM          DOWNSTREAM
Geometry: Circular      Circular
Span(in): 36.00         36.00
Rise(in): 36.00         36.00
Invert(ft): 129.480     129.970
Manning's N: 0.012000   0.012000
Top Clip(in): 0.000     0.000
Bot Clip(in): 0.000     0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Updated with survey, 2021.

```

-----
Name: RB2050C_CD02      From Node: NB2050      Length(ft): 65.00
Group: B                To Node: NB2070      Count: 1
                        Friction Equation: Automatic
                        Solution Algorithm: Automatic
                        Flow: Both
                        Entrance Loss Coef: 0.20
                        Exit Loss Coef: 1.00
                        Bend Loss Coef: 0.00
                        Outlet Ctrl Spec: Use dc or tw
                        Inlet Ctrl Spec: Use dc
                        Stabilizer Option: None

      UPSTREAM          DOWNSTREAM
Geometry: Circular      Circular
Span(in): 36.00         36.00
Rise(in): 36.00         36.00
Invert(ft): 129.590     129.970
Manning's N: 0.012000   0.012000
Top Clip(in): 0.000     0.000
Bot Clip(in): 0.000     0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Updated with survey, 2021.

```

-----
Name: RB2070A           From Node: NB2070      Length(ft): 23.00
Group: B                To Node: NB2130      Count: 1
  
```

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
			Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.20
Rise(in):	24.00	24.00	Exit Loss Coef: 1.00
Invert(ft):	128.820	128.820	Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

==== Channels =====

Name: RB2030A	From Node: NB2030	Length(ft): 65.00
Group: B	To Node: NB2040	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	131.500	131.400	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 2.000
Bot Clip(ft):			Exit Loss Coef: 1.000
Main XSec:	XB2030AUS	XB2030ADS	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----

Name: RB2050A	From Node: NB2050	Length(ft): 241.00
Group: B	To Node: NB2040	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	131.500	131.500	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 2.000
Bot Clip(ft):			Exit Loss Coef: 1.000
Main XSec:	XB2050AUS	XB2050ADS	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

==== Drop Structures =====

Name: RB0008A                      From Node: NB0008                      Length(ft): 36.00  
 Group: B                              To Node: NB0020                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 137.590	137.110	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 2 for Drop Structure RB0008A \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 24.00	Invert(ft): 140.590
Rise(in): 4.80	Control Elev(ft): 140.590

TABLE

\*\*\* Weir 2 of 2 for Drop Structure RB0008A \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 140.990
Rise(in): 28.00	Control Elev(ft): 140.990

TABLE

Name: RB0012A                      From Node: NB0012                      Length(ft): 289.00  
 Group: B                              To Node: NB0020                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.200
Invert(ft): 145.090	137.090	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 2 for Drop Structure RB0012A \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 42.00	Invert(ft): 150.590
Rise(in): 3.60	Control Elev(ft): 150.590

TABLE

\*\*\* Weir 2 of 2 for Drop Structure RB0012A \*\*\*



TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 37.00 Invert(ft): 150.890  
 Rise(in): 28.00 Control Elev(ft): 150.890

Name: RB0020A From Node: NB0020 Length(ft): 40.00  
 Group: B To Node: NB0040 Count: 1

UPSTREAM	DOWNSSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.500
Invert(ft): 134.610	134.000	Exit Loss Coef: 1.000
Manning's N: 0.024000	0.024000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Projecting

\*\*\* Weir 1 of 1 for Drop Structure RB0020A \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 36.00 Invert(ft): 137.530  
 Rise(in): 36.00 Control Elev(ft): 137.530

Name: RB0027A From Node: NB0027 Length(ft): 213.00  
 Group: B To Node: NB0040 Count: 1

UPSTREAM	DOWNSSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 134.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0027A \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 37.00 Invert(ft): 140.910  
 Rise(in): 28.00 Control Elev(ft): 140.910

Name: RB0028A                      From Node: NB0028                      Length(ft): 262.00  
 Group: B                              To Node: NB0040                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 137.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0028A \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 140.700
Rise(in): 28.00	Control Elev(ft): 140.700

Name: RB0031A                      From Node: NB0031                      Length(ft): 218.00  
 Group: B                              To Node: NB0040                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 134.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0031A \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 141.320
Rise(in): 28.00	Control Elev(ft): 141.320

Name: RB0033A                      From Node: NB0033                      Length(ft): 339.00  
 Group: B                              To Node: NB0040                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 140.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw

Top Clip(in): 0.000                    0.000                    Inlet Ctrl Spec: Use dc  
 Bot Clip(in): 0.000                    0.000                    Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0033A \*\*\*

TABLE

Count: 1                                    Bottom Clip(in): 0.000  
 Type: Horizontal                        Top Clip(in): 0.000  
 Flow: Both                                Weir Disc Coef: 3.200  
 Geometry: Rectangular                  Orifice Disc Coef: 0.600  
  
 Span(in): 37.00                            Invert(ft): 147.090  
 Rise(in): 28.00                          Control Elev(ft): 147.090

Name: RB0038A	From Node: NB0038	Length(ft): 216.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 134.090	132.880	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0038A \*\*\*

TABLE

Count: 1                                    Bottom Clip(in): 0.000  
 Type: Horizontal                        Top Clip(in): 0.000  
 Flow: Both                                Weir Disc Coef: 3.200  
 Geometry: Rectangular                  Orifice Disc Coef: 0.600  
  
 Span(in): 37.00                            Invert(ft): 142.810  
 Rise(in): 28.00                          Control Elev(ft): 142.810

Name: RB0039A	From Node: NB0039	Length(ft): 352.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 145.090	133.650	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0039A \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 37.00 Invert(ft): 152.340  
 Rise(in): 24.00 Control Elev(ft): 152.340

Name: RB2055A\_CD01 From Node: NB2055 Length(ft): 51.00  
 Group: B To Node: NB2120 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 134.990	134.320	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Updated with survey info, 2021.

\*\*\* Weir 1 of 1 for Drop Structure RB2055A\_CD01 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 37.00 Invert(ft): 138.400  
 Rise(in): 24.00 Control Elev(ft): 138.400

==== Weirs =====

Name: RB0002A From Node: NB0002  
 Group: B To Node: NB0020  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: XB0002A  
 Invert(ft): 141.090  
 Control Elevation(ft): 141.090  
 Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.400  
 Orifice Discharge Coef: 0.600

Name: RB0003A From Node: NB0003  
 Group: B To Node: NB0020  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: XB0003A  
 Invert(ft): 153.400  
 Control Elevation(ft): 153.400

Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0004A                      From Node: NB0004  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0004A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0006A                      From Node: NB0006  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0006A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0007A                      From Node: NB0007  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0007A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0008B                      From Node: NB0008  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0008B  
                                  Invert (ft): 141.090  
Control Elevation(ft): 141.090  
Struct Opening Dim(ft): 9999.00  
TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0008C                      From Node: NB0008  
Group: B                            To Node: NB0012  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB0008C  
                                  Invert(ft): 151.090  
Control Elevation(ft): 151.090  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0009A                      From Node: NB0009  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0009A  
                                  Invert(ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0010A                      From Node: NB0010  
Group: B                            To Node: NB0011  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB0010A  
                                  Invert(ft): 139.310  
Control Elevation(ft): 139.310  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0012B                      From Node: NB0012  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0012B  
                                  Invert(ft): 151.090  
Control Elevation(ft): 151.090  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000

Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0012C                      From Node: NB0012  
Group: B                            To Node: NB0038  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0012C  
                                  Invert (ft): 151.090  
Control Elevation(ft): 151.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0020B                      From Node: NB0020  
Group: B                            To Node: NB0001  
Flow: Both                         Count: 1  
Type: Vertical: Paved             Geometry: Irregular

                                  XSec: XB0020B  
                                  Invert (ft): 144.090  
Control Elevation(ft): 144.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0027B                      From Node: NB0027  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: XB0027B  
                                  Invert (ft): 171.090  
Control Elevation(ft): 171.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0028B                      From Node: NB0028  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: XB0028B  
                                  Invert (ft): 171.090  
Control Elevation(ft): 171.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

-----  
Name: RB0029A                      From Node: NB0029  
Group: B                            To Node: NB2055  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

      XSec: XB0029A  
          Invert (ft): 163.400  
Control Elevation(ft): 163.400  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.200  
      Orifice Discharge Coef: 0.600

-----  
Name: RB0030A                      From Node: NB0030  
Group: B                            To Node: NB0029  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

      XSec: XB0030A  
          Invert (ft): 163.300  
Control Elevation(ft): 163.300  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.200  
      Orifice Discharge Coef: 0.600

-----  
Name: RB0031B                      From Node: NB0031  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

      XSec: XB0031B  
          Invert (ft): 167.090  
Control Elevation(ft): 167.090  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.400  
      Orifice Discharge Coef: 0.600

-----  
Name: RB0033B                      From Node: NB0033  
Group: B                            To Node: NB0031  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

      XSec: XB0033B  
          Invert (ft): 149.090  
Control Elevation(ft): 149.090  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.400  
      Orifice Discharge Coef: 0.600



---

Name: RB0038B                      From Node: NB0038  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0038B  
                                  Invert (ft): 169.090  
Control Elevation (ft): 169.090  
Struct Opening Dim (ft): 9999.00

                                  TABLE

                                  Bottom Clip (ft): 0.000  
                                  Top Clip (ft): 0.000  
                                  Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0040A                      From Node: NB0040  
Group: B                            To Node: NB0010  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0040A  
                                  Invert (ft): 131.200  
Control Elevation (ft): 131.200  
Struct Opening Dim (ft): 9999.00

                                  TABLE

                                  Bottom Clip (ft): 0.000  
                                  Top Clip (ft): 0.000  
                                  Weir Discharge Coef: 1.200  
Orifice Discharge Coef: 0.600

---

Name: RB0040B                      From Node: NB0040  
Group: B                            To Node: NB0023  
Flow: Both                         Count: 1  
Type: Vertical: Paved            Geometry: Irregular

                                  XSec: XB0040B  
                                  Invert (ft): 132.860  
Control Elevation (ft): 132.860  
Struct Opening Dim (ft): 9999.00

                                  TABLE

                                  Bottom Clip (ft): 0.000  
                                  Top Clip (ft): 0.000  
                                  Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0040C                      From Node: NB0040  
Group: B                            To Node: NB0030  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0040C  
                                  Invert (ft): 129.900  
Control Elevation (ft): 129.900  
Struct Opening Dim (ft): 9999.00

                                  TABLE

                                  Bottom Clip (ft): 0.000  
                                  Top Clip (ft): 0.000  
                                  Weir Discharge Coef: 1.200  
Orifice Discharge Coef: 0.600

---

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

---

Name: RB0042C                      From Node: NB0042  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0042C  
                                  Invert (ft): 134.500  
Control Elevation(ft): 134.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB0043A                      From Node: NB0043  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB0043A  
                                  Invert (ft): 147.340  
Control Elevation(ft): 147.340  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0105A                      From Node: NB0102  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0105A  
                                  Invert (ft): 148.450  
Control Elevation(ft): 148.450  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB2020C                      From Node: NB2020  
Group: B                            To Node: NB2070  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB2020C  
                                  Invert (ft): 135.650  
Control Elevation(ft): 135.650  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB2020D                      From Node: NB2020  
Group: B                            To Node: NB2010

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Flow: Both                                  Count: 1  
 Type: Vertical: Fread                      Geometry: Irregular

                                                        XSec: XB2020D  
                                                         Invert (ft): 131.800  
 Control Elevation(ft): 131.800  
 Struct Opening Dim(ft): 9999.00

TABLE

                                                        Bottom Clip(ft): 0.000  
                                                         Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.400  
 Orifice Discharge Coef: 0.600

Name: RB2022A                              From Node: NB2022  
 Group: B                                      To Node: NB2020  
 Flow: Both                                  Count: 1  
 Type: Vertical: Fread                      Geometry: Irregular

                                                        XSec: XB2022A  
                                                         Invert (ft): 132.600  
 Control Elevation(ft): 132.600  
 Struct Opening Dim(ft): 9999.00

TABLE

                                                        Bottom Clip(ft): 0.000  
                                                         Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.400  
 Orifice Discharge Coef: 0.600

Name: RB2030B                              From Node: NB2030  
 Group: B                                      To Node: NB2020  
 Flow: Both                                  Count: 1  
 Type: Vertical: Fread                      Geometry: Irregular

                                                        XSec: XB2030B  
                                                         Invert (ft): 132.200  
 Control Elevation(ft): 132.200  
 Struct Opening Dim(ft): 9999.00

TABLE

                                                        Bottom Clip(ft): 0.000  
                                                         Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.400  
 Orifice Discharge Coef: 0.600

Name: RB2030C                              From Node: NB2030  
 Group: B                                      To Node: NB2022  
 Flow: Both                                  Count: 1  
 Type: Vertical: Fread                      Geometry: Irregular

                                                        XSec: XB2030C  
                                                         Invert (ft): 132.600  
 Control Elevation(ft): 132.600  
 Struct Opening Dim(ft): 9999.00

TABLE

                                                        Bottom Clip(ft): 0.000  
                                                         Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.400  
 Orifice Discharge Coef: 0.600

Name: RB2040A                              From Node: NB2040  
 Group: B                                      To Node: NB2020  
 Flow: Both                                  Count: 1  
 Type: Vertical: Fread                      Geometry: Irregular

XSec: XB2040A  
Invert (ft): 132.300  
Control Elevation(ft): 132.300  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2040B                      From Node: NB2040  
Group: B                            To Node: NB2022  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2040B  
Invert (ft): 132.600  
Control Elevation(ft): 132.600  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB2050D                     From Node: NB2050  
Group: B                            To Node: NB2070  
Flow: Both                         Count: 1  
Type: Vertical: Paved            Geometry: Irregular

XSec: XB2050D  
Invert (ft): 135.900  
Control Elevation(ft): 135.900  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB2050E                     From Node: NB2050  
Group: B                            To Node: NB2020  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2050E  
Invert (ft): 134.500  
Control Elevation(ft): 134.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2050F                     From Node: NB2050  
Group: B                            To Node: NB2030  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2050F

Invert(ft): 132.700  
Control Elevation(ft): 132.700  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2070B                      From Node: NB2070  
Group: B                            To Node: NB2130  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2070B  
Invert(ft): 132.300  
Control Elevation(ft): 132.300  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2112C                     From Node: NB2112  
Group: B                            To Node: NB2120  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2112C  
Invert(ft): 131.000  
Control Elevation(ft): 131.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 1.800  
Orifice Discharge Coef: 0.600

---

Name: RB2120A                     From Node: NB2120  
Group: B                            To Node: NB2070  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2120A  
Invert(ft): 134.190  
Control Elevation(ft): 134.190  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2120B                     From Node: NB2120  
Group: B                            To Node: NB2130  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2120B  
Invert(ft): 133.410  
Control Elevation(ft): 133.410

---

Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB2120C                      From Node: NB2120  
Group: B                            To Node: NB2050  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular  
  
XSec: XB2120C  
Invert(ft): 136.050  
Control Elevation(ft): 136.050  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB2124B                      From Node: NB2124  
Group: B                            To Node: NB2120  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular  
  
XSec: XB2124B  
Invert(ft): 135.290  
Control Elevation(ft): 135.290  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

==== Percolation Links =====

Name: RB0003B                      From Node: NB0003                      Flow: Both  
Group: B                            To Node: GWSinkB                      Count: 1  
  
Surface Area Option: User Specified  
Bottom Elev(ft): 141.600                      Surface Area(ac): 0.780  
Vertical Flow Termination: Horizontal Flow Algorithm  
Aquifer Base Elev(ft): 70.000                      Perimeter 1(ft): 1550.000  
Water Table Elev(ft): 140.390                      Perimeter 2(ft): 1927.000  
Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 4270.000  
Horiz Conductivity(ft/day): 19.559                      Distance 1 to 2(ft): 60.000  
Vert Conductivity(ft/day): 13.039                      Distance 2 to 3(ft): 600.000  
Effective Porosity(dec): 0.256                      Num Cells 1 to 2: 12  
Suction Head(in): 2.047                      Num Cells 2 to 3: 60  
Layer Thickness(ft): 1.210

---

Name: RB0008D                      From Node: NB0008                      Flow: Both  
Group: B                            To Node: GWSinkB                      Count: 1  
  
Surface Area Option: User Specified  
Bottom Elev(ft): 138.090                      Surface Area(ac): 0.070  
Vertical Flow Termination: Horizontal Flow Algorithm

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Aquifer Base Elev(ft): 70.000	Perimeter 1(ft): 288.000
Water Table Elev(ft): 133.190	Perimeter 2(ft): 665.000
Ann Recharge Rate(in/year): 0.000	Perimeter 3(ft): 2218.000
Horiz Conductivity(ft/day): 19.559	Distance 1 to 2(ft): 60.000
Vert Conductivity(ft/day): 13.039	Distance 2 to 3(ft): 600.000
Effective Porosity(dec): 0.256	Num Cells 1 to 2: 12
Suction Head(in): 2.047	Num Cells 2 to 3: 60
Layer Thickness(ft): 4.900	

Name: RB0012D                      From Node: NB0012                      Flow: Both  
 Group: B                              To Node: GWSinkB                      Count: 1

Surface Area Option: User Specified	
Bottom Elev(ft): 148.090	Surface Area(ac): 0.930
Vertical Flow Termination: Horizontal Flow Algorithm	
Aquifer Base Elev(ft): 70.000	Perimeter 1(ft): 1054.000
Water Table Elev(ft): 143.910	Perimeter 2(ft): 1426.000
Ann Recharge Rate(in/year): 0.000	Perimeter 3(ft): 3111.000
Horiz Conductivity(ft/day): 19.559	Distance 1 to 2(ft): 60.000
Vert Conductivity(ft/day): 13.039	Distance 2 to 3(ft): 600.000
Effective Porosity(dec): 0.256	Num Cells 1 to 2: 12
Suction Head(in): 2.047	Num Cells 2 to 3: 60
Layer Thickness(ft): 4.180	

Name: RB0029B                      From Node: NB0029                      Flow: Both  
 Group: B                              To Node: GWSinkB                      Count: 1

Surface Area Option: User Specified	
Bottom Elev(ft): 158.100	Surface Area(ac): 0.280
Vertical Flow Termination: Horizontal Flow Algorithm	
Aquifer Base Elev(ft): 70.000	Perimeter 1(ft): 283.000
Water Table Elev(ft): 154.170	Perimeter 2(ft): 660.000
Ann Recharge Rate(in/year): 0.000	Perimeter 3(ft): 4429.000
Horiz Conductivity(ft/day): 19.559	Distance 1 to 2(ft): 60.000
Vert Conductivity(ft/day): 13.039	Distance 2 to 3(ft): 600.000
Effective Porosity(dec): 0.302	Num Cells 1 to 2: 12
Suction Head(in): 2.047	Num Cells 2 to 3: 60
Layer Thickness(ft): 3.930	

==== Hydrology Simulations =====

Name: PC100y1d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC100

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 9.00

Time(hrs)	Print Inc(min)
-----	-----
100.000	5.00

Name: PC100y5d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC100

Override Defaults: Yes  
 Storm Duration(hrs): 120.00  
 Rainfall File: SWFWMD\_5day  
 Rainfall Amount(in): 16.00

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

---

Time (hrs)	Print	Inc (min)
220.000		5.00

---

Name: PC10y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC10y  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 6.50

Time (hrs)	Print	Inc (min)
100.000		5.00

---

Name: PC25y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC25y  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 7.00

Time (hrs)	Print	Inc (min)
100.000		5.00

---

Name: PC2y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC2y1  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 4.50

Time (hrs)	Print	Inc (min)
100.000		5.00

---

Name: PC500y5d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC500  
Override Defaults: Yes  
Storm Duration (hrs): 120.00  
Rainfall File: SWFWMD\_5day  
Rainfall Amount (in): 19.20

Time (hrs)	Print	Inc (min)
220.000		5.00

---

Name: PC50y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC50y  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 8.00

Time (hrs)	Print	Inc (min)
100.000		5.00

---

Name: PC5y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC5y1



Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 5.50

Time (hrs)	Print Inc (min)
100.000	5.00

==== Routing Simulations =====

Name: PC100y1d                      Hydrology Sim: PC100y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC100

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                      End Time (hrs): 200.00  
Min Calc Time (sec): 0.5000                      Max Calc Time (sec): 10.0000  
Boundary Stages: PC100y1d                      Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000

Group	Run
B	Yes

Name: PC100y5d                      Hydrology Sim: PC100y5d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC100

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                      End Time (hrs): 300.00  
Min Calc Time (sec): 0.5000                      Max Calc Time (sec): 10.0000  
Boundary Stages: PC100y5d                      Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000

Group	Run
B	Yes

Name: PC10y1d                      Hydrology Sim: PC10y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC10y

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                      End Time (hrs): 200.00  
Min Calc Time (sec): 0.5000                      Max Calc Time (sec): 10.0000  
Boundary Stages: PC10y1d                      Boundary Flows:

Existing Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

---

Time (hrs)	Print Inc (min)
999.000	60.000
Group	Run
B	Yes

---

Name: PC25y1d                      Hydrology Sim: PC25y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC25y

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                      End Time (hrs): 200.00  
Min Calc Time (sec): 0.5000                      Max Calc Time (sec): 10.0000  
Boundary Stages: PC25y1d                      Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000
Group	Run
B	Yes

---

Name: PC2y1d                      Hydrology Sim: PC2y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC2y1

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                      End Time (hrs): 200.00  
Min Calc Time (sec): 0.5000                      Max Calc Time (sec): 10.0000  
Boundary Stages: PC2y1d                      Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000
Group	Run
B	Yes

---

Name: PC500y5d                      Hydrology Sim: PC500y5d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Existing\PC500

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                      End Time (hrs): 300.00  
Min Calc Time (sec): 0.5000                      Max Calc Time (sec): 10.0000  
Boundary Stages: PC500y5d                      Boundary Flows:

Time (hrs)	Print Inc (min)
------------	-----------------

```

-----
999.000      60.000

Group        Run
-----
B            Yes
  
```

```

-----
Name: PC50y1d      Hydrology Sim: PC50y1d
Filename: Q:\50110728_CR_557_Widening\Tech\Drainage\Adicpr\2_Peace Creek (South, Basins 1-4)\Existing\PC50y
Execute: Yes      Restart: No      Patch: No
Alternative: No

Max Delta Z(ft): 1.00      Delta Z Factor: 0.01000
Time Step Optimizer: 10.000
Start Time(hrs): 0.000      End Time(hrs): 200.00
Min Calc Time(sec): 0.5000  Max Calc Time(sec): 10.0000
Boundary Stages: PC50y1d    Boundary Flows:
  
```

```

Time(hrs)    Print Inc(min)
-----
999.000      60.000

Group        Run
-----
B            Yes
  
```

```

-----
Name: PC5y1d      Hydrology Sim: PC5y1d
Filename: Q:\50110728_CR_557_Widening\Tech\Drainage\Adicpr\2_Peace Creek (South, Basins 1-4)\Existing\PC5y1
Execute: No      Restart: No      Patch: No
Alternative: No

Max Delta Z(ft): 1.00      Delta Z Factor: 0.01000
Time Step Optimizer: 10.000
Start Time(hrs): 0.000      End Time(hrs): 200.00
Min Calc Time(sec): 0.5000  Max Calc Time(sec): 10.0000
Boundary Stages: PC5y1d    Boundary Flows:
  
```

```

Time(hrs)    Print Inc(min)
-----
999.000      60.000

Group        Run
-----
B            Yes
  
```

```

=====
==== Boundary Conditions =====
=====
  
```

Name: PC100y1d                      Node: NB0043                      Type: Stage

Time(hrs)	Stage(ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.000	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090

10.000	143.090
11.000	143.090
12.000	143.291
13.000	143.680
14.000	143.990
15.000	143.646
16.000	143.611
17.000	143.575
18.000	143.539
19.000	143.504
20.000	143.469
21.000	143.434
22.000	143.400
23.000	143.368
24.000	143.335
25.000	143.292
26.000	143.249
27.000	143.198
28.000	143.153
29.000	143.108
30.000	143.090
31.000	143.090
32.000	143.090
33.000	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090
38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.090
56.000	143.090
57.000	143.090
58.000	143.090
59.000	143.090
60.000	143.090
61.000	143.090
62.000	143.090
63.000	143.090
64.000	143.090
65.000	143.090
66.000	143.090
67.000	143.090
68.000	143.090
69.000	143.090
70.000	143.090
71.000	143.090
72.000	143.090
73.000	143.090
74.000	143.090
75.000	143.090
76.000	143.090
77.000	143.090
78.000	143.090
79.000	143.090
80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090

84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090
102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090
111.000	143.090
112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090

158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Name: Pcl00y1d Node: NB0050 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.420
3.000	129.441
4.000	129.454
5.000	129.470
6.000	129.487
7.000	129.506
8.000	129.528
9.000	129.555
10.000	129.590
11.000	129.635
12.000	129.689
13.000	129.752
14.000	130.822
15.000	130.170
16.000	130.194
17.000	130.208
18.000	130.219
19.000	130.226
20.000	130.232
21.000	130.236
22.000	130.238
23.000	130.240
24.000	130.240

25.000	130.238
26.000	130.231
27.000	130.221
28.000	130.211
29.000	130.201
30.000	130.191
31.000	130.181
32.000	130.172
33.000	130.163
34.000	130.154
35.000	130.145
36.000	130.137
37.000	130.128
38.000	130.120
39.000	130.112
40.000	130.104
41.000	130.097
42.000	130.089
43.000	130.082
44.000	130.075
45.000	130.068
46.000	130.061
47.000	130.055
48.000	130.048
49.000	130.042
50.000	130.036
51.000	130.030
52.000	130.024
53.000	130.018
54.000	130.012
55.000	130.007
56.000	130.001
57.000	129.996
58.000	129.990
59.000	129.985
60.000	129.980
61.000	129.975
62.000	129.970
63.000	129.965
64.000	129.961
65.000	129.958
66.000	129.951
67.000	129.947
68.000	129.943
69.000	129.938
70.000	129.934
71.000	129.930
72.000	129.926
73.000	129.922
74.000	129.918
75.000	129.914
76.000	129.910
77.000	129.906
78.000	129.903
79.000	129.899
80.000	129.895
81.000	129.892
82.000	129.888
83.000	129.885
84.000	129.881
85.000	129.878
86.000	129.875
87.000	129.872
88.000	129.869
89.000	129.865
90.000	129.862
91.000	129.859
92.000	129.856
93.000	129.853
94.000	129.850
95.000	129.848
96.000	129.845
97.000	129.842
98.000	129.839

Name: Pcl00y1d Node: NB0050 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.420
3.000	129.441
4.000	129.454
5.000	129.470
6.000	129.487
7.000	129.506
8.000	129.528
9.000	129.555
10.000	129.590
11.000	129.635
12.000	129.689
13.000	129.752
14.000	130.822
15.000	130.170
16.000	130.194
17.000	130.208
18.000	130.219
19.000	130.226
20.000	130.232
21.000	130.236
22.000	130.238
23.000	130.240
24.000	130.240

99.000	129.836
100.000	129.834
101.000	129.831
102.000	129.829
103.000	129.826
104.000	129.822
105.000	129.821
106.000	129.819
107.000	129.816
108.000	129.814
109.000	129.811
110.000	129.809
111.000	129.807
112.000	129.804
113.000	129.802
114.000	129.800
115.000	129.798
116.000	129.796
117.000	129.794
118.000	129.791
119.000	129.789
120.000	129.787
121.000	129.785
122.000	129.783
123.000	129.781
124.000	129.779
125.000	129.777
126.000	129.776
127.000	129.774
128.000	129.772
129.000	129.770
130.000	129.768
131.000	129.766
132.000	129.764
133.000	129.763
134.000	129.761
135.000	129.759
136.000	129.758
137.000	129.756
138.000	129.754
139.000	129.751
140.000	129.749
141.000	129.748
142.000	129.746
143.000	129.746
144.000	129.745
145.000	129.743
146.000	129.742
147.000	129.740
148.000	129.739
149.000	129.737
150.000	129.736
151.000	129.735
152.000	129.733
153.000	129.731
154.000	129.730
155.000	129.728
156.000	129.727
157.000	129.726
158.000	129.724
159.000	129.723
160.000	129.722
161.000	129.720
162.000	129.719
163.000	129.718
164.000	129.717
165.000	129.715
166.000	129.714
167.000	129.713
168.000	129.712
169.000	129.710
170.000	129.709
171.000	129.708
172.000	129.707

173.000	129.706
174.000	129.704
175.000	129.703
176.000	129.702
177.000	129.701
178.000	129.700
179.000	129.699
180.000	129.698
181.000	129.697
182.000	129.696
183.000	129.695
184.000	129.693
185.000	129.692
186.000	129.691
187.000	129.690
188.000	129.689
189.000	129.688
190.000	129.687
191.000	129.686
192.000	129.685
193.000	129.684
194.000	129.683
195.000	129.682
196.000	129.682
197.000	129.681
198.000	129.680
199.000	129.679
200.000	129.678

Name: PCL00Y1d	Node: NB0102	Type: Stage
Time (hrs)	Stage (ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.000	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.272	
13.000	140.426	
14.000	140.069	
15.000	139.541	
16.000	139.254	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.000	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	
28.000	139.200	
29.000	139.200	
30.000	139.200	
31.000	139.200	
32.000	139.200	
33.000	139.200	
34.000	139.200	
35.000	139.200	
36.000	139.200	
37.000	139.200	
38.000	139.200	
39.000	139.200	

40.000	139.200
41.000	139.200
42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.200
61.000	139.200
62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200
77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200

114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PCl00y1d Node: NB211Z Type: Stage

Time (hrs)	Stage (ft)
0.000	130.100
1.000	130.100
2.000	130.103
3.000	130.108
4.000	130.114
5.000	130.125
6.000	130.139
7.000	130.158
8.000	130.182
9.000	130.212
10.000	130.241
11.000	130.275
12.000	130.325
13.000	130.446
14.000	130.837
15.000	131.071
16.000	131.209
17.000	131.291
18.000	131.344
19.000	131.378
20.000	131.394
21.000	131.402
22.000	131.403
23.000	131.407
24.000	131.406
25.000	131.399
26.000	131.386
27.000	131.372
28.000	131.359
29.000	131.347
30.000	131.335
31.000	131.325
32.000	131.313
33.000	131.303
34.000	131.297
35.000	131.289
36.000	131.281
37.000	131.274
38.000	131.267
39.000	131.260
40.000	131.254
41.000	131.248
42.000	131.242
43.000	131.237
44.000	131.232
45.000	131.227
46.000	131.222
47.000	131.218
48.000	131.213
49.000	131.209
50.000	131.205
51.000	131.201
52.000	131.197
53.000	131.193
54.000	131.190

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

55.000	131.186
56.000	131.183
57.000	131.180
58.000	131.176
59.000	131.172
60.000	131.170
61.000	131.167
62.000	131.164
63.000	131.162
64.000	131.159
65.000	131.156
66.000	131.154
67.000	131.151
68.000	131.148
69.000	131.146
70.000	131.144
71.000	131.141
72.000	131.139
73.000	131.136
74.000	131.134
75.000	131.132
76.000	131.130
77.000	131.127
78.000	131.125
79.000	131.123
80.000	131.121
81.000	131.119
82.000	131.117
83.000	131.115
84.000	131.113
85.000	131.111
86.000	131.109
87.000	131.107
88.000	131.106
89.000	131.104
90.000	131.102
91.000	131.100
92.000	131.098
93.000	131.097
94.000	131.093
95.000	131.091
96.000	131.090
97.000	131.088
98.000	131.086
99.000	131.084
100.000	131.085
101.000	131.083
102.000	131.082
103.000	131.080
104.000	131.078
105.000	131.077
106.000	131.072
107.000	131.072
108.000	131.072
109.000	131.071
110.000	131.069
111.000	131.068
112.000	131.067
113.000	131.065
114.000	131.064
115.000	131.062
116.000	131.061
117.000	131.059
118.000	131.057
119.000	131.055
120.000	131.055
121.000	131.054
122.000	131.053
123.000	131.051
124.000	131.050
125.000	131.049
126.000	131.047
127.000	131.046
128.000	131.045

Deberry Engineers, Inc.



129.000	131.044
130.000	131.044
131.000	131.054
132.000	131.081
133.000	131.114
134.000	131.144
135.000	131.185
136.000	131.232
137.000	131.285
138.000	131.344
139.000	131.405
140.000	131.468
141.000	131.532
142.000	131.597
143.000	131.662
144.000	131.727
145.000	131.792
146.000	131.857
147.000	131.922
148.000	132.000
149.000	132.075
150.000	132.150
151.000	132.225
152.000	132.300
153.000	132.375
154.000	132.450
155.000	132.525
156.000	132.600
157.000	132.675
158.000	132.750
159.000	132.825
160.000	132.900
161.000	132.975
162.000	133.050
163.000	133.125
164.000	133.200
165.000	133.275
166.000	133.350
167.000	133.425
168.000	133.500
169.000	133.575
170.000	133.650
171.000	133.725
172.000	133.800
173.000	133.875
174.000	133.950
175.000	134.025
176.000	134.100
177.000	134.175
178.000	134.250
179.000	134.325
180.000	134.400
181.000	134.475
182.000	134.550
183.000	134.625
184.000	134.700
185.000	134.775
186.000	134.850
187.000	134.925
188.000	135.000
189.000	135.075
190.000	135.150
191.000	135.225
192.000	135.300
193.000	135.375
194.000	135.450
195.000	135.525
196.000	135.600
197.000	135.675
198.000	135.750
199.000	135.825
200.000	135.900

Name: PCl00Y1d	Node: NB2124	Type: Stage
Time(hrs)	Stage(ft)	
1.000	131.710	
2.000	131.710	
3.000	131.710	
4.000	131.713	
5.000	131.727	
6.000	131.745	
7.000	131.764	
8.000	131.787	
9.000	131.814	
10.000	131.847	
11.000	131.891	
12.000	131.939	
13.000	132.000	
14.000	132.062	
15.000	132.128	
16.000	132.198	
17.000	132.272	
18.000	132.349	
19.000	132.429	
20.000	132.512	
21.000	132.598	
22.000	132.686	
23.000	132.776	
24.000	132.868	
25.000	132.962	
26.000	133.058	
27.000	133.156	
28.000	133.256	
29.000	133.358	
30.000	133.462	
31.000	133.568	
32.000	133.676	
33.000	133.786	
34.000	133.898	
35.000	134.012	
36.000	134.128	
37.000	134.246	
38.000	134.366	
39.000	134.488	
40.000	134.612	
41.000	134.738	
42.000	134.866	
43.000	134.996	
44.000	135.128	
45.000	135.262	
46.000	135.398	
47.000	135.536	
48.000	135.676	
49.000	135.818	
50.000	135.962	
51.000	136.108	
52.000	136.256	
53.000	136.406	
54.000	136.558	
55.000	136.712	
56.000	136.868	
57.000	137.026	
58.000	137.186	
59.000	137.348	
60.000	137.512	
61.000	137.678	
62.000	137.846	
63.000	138.016	
64.000	138.188	
65.000	138.362	
66.000	138.538	
67.000	138.716	
68.000	138.896	
69.000	139.078	

70.000	132.161
71.000	132.157
72.000	132.154
73.000	132.150
74.000	132.147
75.000	132.143
76.000	132.140
77.000	132.137
78.000	132.133
79.000	132.130
80.000	132.127
81.000	132.124
82.000	132.121
83.000	132.118
84.000	132.116
85.000	132.113
86.000	132.110
87.000	132.107
88.000	132.105
89.000	132.102
90.000	132.099
91.000	132.097
92.000	132.094
93.000	132.092
94.000	132.089
95.000	132.087
96.000	132.085
97.000	132.082
98.000	132.080
99.000	132.078
100.000	132.076
101.000	132.073
102.000	132.071
103.000	132.069
104.000	132.067
105.000	132.065
106.000	132.063
107.000	132.061
108.000	132.059
109.000	132.057
110.000	132.055
111.000	132.053
112.000	132.051
113.000	132.050
114.000	132.048
115.000	132.046
116.000	132.044
117.000	132.043
118.000	132.041
119.000	132.039
120.000	132.037
121.000	132.036
122.000	132.034
123.000	132.032
124.000	132.031
125.000	132.029
126.000	132.028
127.000	132.026
128.000	132.025
129.000	132.023
130.000	132.022
131.000	132.020
132.000	132.019
133.000	132.016
134.000	132.014
135.000	132.015
136.000	132.013
137.000	132.012
138.000	132.010
139.000	132.009
140.000	132.008
141.000	132.006
142.000	132.005
143.000	132.004

144.000	132.003
145.000	132.002
146.000	132.002
147.000	132.003
148.000	132.004
149.000	132.007
150.000	132.009
151.000	132.012
152.000	132.015
153.000	132.017
154.000	132.020
155.000	132.023
156.000	132.026
157.000	132.029
158.000	132.031
159.000	132.034
160.000	132.037
161.000	132.041
162.000	132.045
163.000	132.049
164.000	132.054
165.000	132.058
166.000	132.063
167.000	132.068
168.000	132.072
169.000	132.077
170.000	132.081
171.000	132.085
172.000	132.088
173.000	132.090
174.000	132.093
175.000	132.094
176.000	132.095
177.000	132.094
178.000	132.093
179.000	132.092
180.000	132.090
181.000	132.088
182.000	132.086
183.000	132.084
184.000	132.082
185.000	132.080
186.000	132.078
187.000	132.075
188.000	132.073
189.000	132.071
190.000	132.069
191.000	132.067
192.000	132.065
193.000	132.063
194.000	132.061
195.000	132.059
196.000	132.057
197.000	132.055
198.000	132.053
199.000	132.051
200.000	132.049

Name: PClOyId		
Time (hrs)	Stage (ft)	Type: Stage
1.000	129.600	
1.000	129.601	
2.000	129.606	
3.000	129.619	
4.000	129.635	
5.000	129.656	
6.000	129.681	
7.000	129.709	
8.000	129.741	
9.000	129.780	
10.000	129.830	

11,000	129,894
12,000	130,015
13,000	130,442
14,000	130,706
15,000	130,839
16,000	130,946
17,000	130,966
18,000	131,032
19,000	131,062
20,000	131,088
21,000	131,110
22,000	131,130
23,000	131,148
24,000	131,165
25,000	131,175
26,000	131,176
27,000	131,168
28,000	131,163
29,000	131,159
30,000	131,151
31,000	131,148
32,000	131,145
33,000	131,148
34,000	131,145
35,000	131,139
36,000	131,137
37,000	131,135
38,000	131,133
39,000	131,132
40,000	131,132
41,000	131,132
42,000	131,132
43,000	131,132
44,000	131,133
45,000	131,133
46,000	131,134
47,000	131,135
48,000	131,136
49,000	131,136
50,000	131,136
51,000	131,138
52,000	131,139
53,000	131,139
54,000	131,140
55,000	131,141
56,000	131,142
57,000	131,142
58,000	131,143
59,000	131,144
60,000	131,144
61,000	131,145
62,000	131,146
63,000	131,146
64,000	131,147
65,000	131,148
66,000	131,148
67,000	131,149
68,000	131,150
69,000	131,150
70,000	131,151
71,000	131,151
72,000	131,152
73,000	131,153
74,000	131,153
75,000	131,152
76,000	131,154
77,000	131,155
78,000	131,155
79,000	131,156
80,000	131,156
81,000	131,157
82,000	131,157
83,000	131,158
84,000	131,158

85,000	131,159
86,000	131,159
87,000	131,160
88,000	131,160
89,000	131,161
90,000	131,161
91,000	131,162
92,000	131,162
93,000	131,163
94,000	131,163
95,000	131,164
96,000	131,164
97,000	131,165
98,000	131,165
99,000	131,165
100,000	131,166
101,000	131,166
102,000	131,167
103,000	131,167
104,000	131,167
105,000	131,168
106,000	131,168
107,000	131,169
108,000	131,169
109,000	131,169
110,000	131,170
111,000	131,170
112,000	131,171
113,000	131,171
114,000	131,171
115,000	131,172
116,000	131,172
117,000	131,172
118,000	131,173
119,000	131,173
120,000	131,173
121,000	131,174
122,000	131,174
123,000	131,174
124,000	131,175
125,000	131,175
126,000	131,175
127,000	131,176
128,000	131,176
129,000	131,176
130,000	131,177
131,000	131,177
132,000	131,177
133,000	131,178
134,000	131,178
135,000	131,178
136,000	131,179
137,000	131,179
138,000	131,179
139,000	131,179
140,000	131,180
141,000	131,180
142,000	131,181
143,000	131,181
144,000	131,185
145,000	131,195
146,000	131,217
147,000	131,252
148,000	131,302
149,000	131,302
150,000	131,297
151,000	131,515
152,000	131,596
153,000	131,679
154,000	131,761
155,000	131,842
156,000	131,922
157,000	131,999
158,000	132,071
159,000	132,124

159.000	132.152
160.000	132.171
161.000	132.188
162.000	132.202
163.000	132.213
164.000	132.225
165.000	132.239
166.000	132.239
167.000	132.242
168.000	132.241
169.000	132.232
170.000	132.218
171.000	132.202
172.000	132.184
173.000	132.165
174.000	132.144
175.000	132.119
176.000	132.100
177.000	132.077
178.000	132.053
179.000	132.030
180.000	132.006
181.000	131.982
182.000	131.957
183.000	131.933
184.000	131.910
185.000	131.886
186.000	131.864
187.000	131.841
188.000	131.822
189.000	131.804
190.000	131.787
191.000	131.772
192.000	131.758
193.000	131.745
194.000	131.733
195.000	131.722
196.000	131.712
197.000	131.692
198.000	131.672
199.000	131.674
200.000	131.674

Name: PC500Y5d Node: NB0043 Type: Stage

Time (hrs)	Stage (ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.000	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090
10.000	143.090
11.000	143.090
12.000	143.090
13.000	143.090
14.001	143.090
14.001	143.090
14.001	143.090
14.001	143.090
17.000	143.090
18.000	143.090
19.000	143.090
20.000	143.090
21.000	143.090
22.000	143.090
23.000	143.090
24.001	143.090
25.000	143.090

26.000	143.090
27.000	143.090
28.000	143.090
29.000	143.090
30.000	143.090
31.000	143.090
32.001	143.090
33.001	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090
38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.097
56.000	143.120
57.000	143.161
58.000	143.238
59.000	143.375
60.000	143.627
61.000	143.855
62.000	144.020
63.000	144.091
64.000	144.122
65.000	144.134
66.000	144.117
67.000	144.101
68.000	144.080
69.000	144.053
70.000	144.024
71.000	143.996
72.000	143.973
73.000	143.957
74.000	143.943
75.000	143.929
76.000	143.916
77.000	143.901
78.000	143.887
79.000	143.881
80.000	143.870
81.000	143.859
82.000	143.848
83.000	143.839
84.000	143.829
85.000	143.820
86.000	143.811
87.000	143.803
88.000	143.797
89.000	143.787
90.000	143.779
91.000	143.772
92.000	143.765
93.000	143.758
94.000	143.752
95.000	143.744
96.000	143.728
97.000	143.706
98.000	143.684
99.000	143.684

100.000	143.663
101.000	143.641
102.000	143.622
103.000	143.602
104.000	143.582
105.000	143.562
106.000	143.543
107.000	143.525
108.000	143.507
109.000	143.488
110.000	143.469
111.000	143.451
112.000	143.432
113.000	143.416
114.000	143.399
115.000	143.381
116.000	143.364
117.000	143.346
118.000	143.331
119.000	143.315
120.000	143.298
121.000	143.279
122.000	143.259
123.000	143.239
124.000	143.220
125.000	143.201
126.000	143.182
127.000	143.163
128.000	143.144
129.000	143.125
130.000	143.107
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
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144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090

174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090
201.000	143.090
202.000	143.090
203.000	143.090
204.000	143.090
205.000	143.090
206.000	143.090
207.000	143.090
208.000	143.090
209.000	143.090
210.000	143.090
211.000	143.090
212.000	143.090
213.000	143.090
214.000	143.090
215.000	143.090
216.000	143.090
217.000	143.090
218.000	143.090
219.000	143.090
220.000	143.090
221.000	143.090
222.000	143.090
223.000	143.090
224.000	143.090
225.000	143.090
226.000	143.090
227.000	143.090
228.000	143.090
229.000	143.090
230.000	143.090
231.000	143.090
232.000	143.090
233.000	143.090
234.000	143.090
235.000	143.090
236.000	143.090
237.000	143.090
238.000	143.090
239.000	143.090
240.000	143.090
241.000	143.090
242.000	143.090
243.000	143.090
244.000	143.090
245.000	143.090
246.000	143.090
247.000	143.090

248.000	143.090
249.000	143.090
250.000	143.090
251.000	143.090
252.000	143.090
253.000	143.090
254.000	143.090
255.000	143.090
256.000	143.090
257.000	143.090
258.000	143.090
259.000	143.090
260.000	143.090
261.000	143.090
262.000	143.090
263.000	143.090
264.000	143.090
265.000	143.090
266.000	143.090
267.000	143.090
268.000	143.090
269.000	143.090
270.000	143.090
271.000	143.090
272.000	143.090
273.000	143.090
274.000	143.090
275.000	143.090
276.000	143.090
277.000	143.090
278.000	143.090
279.000	143.090
280.000	143.090
281.000	143.090
282.000	143.090
283.000	143.090
284.000	143.090
285.000	143.090
286.000	143.090
287.000	143.090
288.000	143.090
289.000	143.090
290.000	143.090
291.000	143.090
292.000	143.090
293.000	143.090
294.000	143.090
295.000	143.090
296.000	143.090
297.000	143.090
298.000	143.090
299.000	143.090
300.000	143.090

Name: PCS00Y5d Node: NB0050 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.420
3.000	129.426
4.000	129.432
5.000	129.431
6.000	129.436
7.000	129.442
8.000	129.447
9.000	129.453
10.000	129.459
11.000	129.465
12.000	129.471
13.000	129.477

14.001	129.483
15.001	129.488
16.000	129.494
17.000	129.500
18.000	129.506
19.000	129.512
20.000	129.518
21.000	129.523
22.000	129.529
23.000	129.535
24.001	129.541
25.000	129.550
26.000	129.564
27.000	129.581
28.000	129.598
29.000	129.616
30.000	129.634
31.000	129.652
32.001	129.669
33.001	129.686
34.000	129.703
35.000	129.720
36.000	129.737
37.000	129.754
38.000	129.770
39.000	129.787
40.000	129.802
41.000	129.816
42.000	129.830
43.000	129.844
44.000	129.858
45.000	129.880
46.000	129.895
47.000	129.911
48.000	129.926
49.000	129.937
50.000	129.941
51.000	129.942
52.000	129.944
53.000	129.946
54.000	129.948
55.000	129.975
56.000	129.997
57.000	130.028
58.000	130.073
59.000	130.146
60.000	130.282
61.000	130.475
62.000	130.641
63.000	130.761
64.000	130.836
65.000	130.882
66.000	130.902
67.000	130.922
68.000	130.932
69.000	130.937
70.000	130.936
71.000	130.931
72.000	130.924
73.000	130.917
74.000	130.914
75.000	130.915
76.000	130.913
77.000	130.913
78.000	130.914
79.000	130.914
80.000	130.914
81.000	130.915
82.000	130.915
83.000	130.915
84.000	130.915
85.000	130.916
86.000	130.916
87.000	130.916

88.000	130.917
89.000	130.917
90.000	130.918
91.000	130.918
92.000	130.919
93.000	130.919
94.000	130.919
95.000	130.920
96.000	130.920
97.000	130.918
98.000	130.912
99.000	130.903
100.000	130.894
101.000	130.884
102.000	130.875
103.000	130.866
104.000	130.857
105.000	130.847
106.000	130.837
107.000	130.827
108.000	130.818
109.000	130.807
110.000	130.797
111.000	130.786
112.000	130.775
113.000	130.765
114.000	130.754
115.000	130.743
116.000	130.732
117.000	130.722
118.000	130.709
119.000	130.698
120.000	130.686
121.000	130.674
122.000	130.661
123.000	130.648
124.000	130.634
125.000	130.620
126.000	130.607
127.000	130.592
128.000	130.579
129.000	130.565
130.000	130.551
131.000	130.536
132.000	130.522
133.000	130.508
134.000	130.494
135.000	130.481
136.000	130.467
137.000	130.453
138.000	130.440
139.000	130.426
140.000	130.411
141.000	130.400
142.000	130.388
143.000	130.375
144.000	130.363
145.000	130.351
146.000	130.339
147.000	130.327
148.000	130.316
149.000	130.305
150.000	130.294
151.000	130.284
152.000	130.274
153.000	130.264
154.000	130.254
155.000	130.245
156.000	130.236
157.000	130.227
158.000	130.219
159.000	130.211
160.000	130.203
161.000	130.195

162.000	130.187
163.000	130.180
164.000	130.173
165.000	130.166
166.000	130.159
167.000	130.152
168.000	130.146
169.000	130.140
170.000	130.133
171.000	130.127
172.000	130.122
173.000	130.116
174.000	130.110
175.000	130.105
176.000	130.100
177.000	130.094
178.000	130.088
179.000	130.084
180.000	130.080
181.000	130.075
182.000	130.070
183.000	130.066
184.000	130.061
185.000	130.057
186.000	130.053
187.000	130.049
188.000	130.045
189.000	130.041
190.000	130.037
191.000	130.033
192.000	130.029
193.000	130.026
194.000	130.022
195.000	130.019
196.000	130.016
197.000	130.012
198.000	130.009
199.000	130.006
200.000	130.003
201.000	130.000
202.000	129.997
203.000	129.994
204.000	129.991
205.000	129.988
206.000	129.985
207.000	129.982
208.000	129.980
209.000	129.977
210.000	129.974
211.000	129.972
212.000	129.969
213.000	129.966
214.000	129.964
215.000	129.962
216.000	129.960
217.000	129.958
218.000	129.955
219.000	129.953
220.000	129.951
221.000	129.949
222.000	129.947
223.000	129.945
224.000	129.943
225.000	129.941
226.000	129.939
227.000	129.937
228.000	129.935
229.000	129.933
230.000	129.932
231.000	129.930
232.000	129.928
233.000	129.926
234.000	129.925
235.000	129.923

236.000	129.921		
237.000	129.920		
238.000	129.918		
239.000	129.917		
240.000	129.916		
241.000	129.914		
242.000	129.912		
243.000	129.911		
244.000	129.909		
245.000	129.908		
246.000	129.907		
247.000	129.905		
248.000	129.904		
249.000	129.902		
250.000	129.901		
251.000	129.900		
252.000	129.899		
253.000	129.897		
254.000	129.896		
255.000	129.895		
256.000	129.894		
257.000	129.893		
258.000	129.892		
259.000	129.890		
260.000	129.889		
261.000	129.888		
262.000	129.887		
263.000	129.886		
264.000	129.885		
265.000	129.884		
266.000	129.883		
267.000	129.882		
268.000	129.881		
269.000	129.880		
270.000	129.879		
271.000	129.878		
272.000	129.877		
273.000	129.876		
274.000	129.875		
275.000	129.874		
276.000	129.873		
277.000	129.872		
278.000	129.871		
279.000	129.870		
280.000	129.869		
281.000	129.869		
282.000	129.869		
283.000	129.868		
284.000	129.867		
285.000	129.866		
286.000	129.866		
287.000	129.865		
288.000	129.864		
289.000	129.863		
290.000	129.863		
291.000	129.862		
292.000	129.861		
293.000	129.861		
294.000	129.860		
295.000	129.859		
296.000	129.859		
297.000	129.858		
298.000	129.857		
299.000	129.856		
300.000	129.856		

Deberry Engineers, Inc.

2.000	139.200		
3.000	139.200		
4.000	139.200		
5.000	139.200		
6.000	139.200		
7.000	139.200		
8.000	139.200		
9.000	139.200		
10.000	139.200		
11.000	139.200		
12.000	139.200		
13.000	139.200		
14.001	139.200		
15.001	139.200		
16.000	139.200		
17.000	139.200		
18.000	139.200		
19.000	139.200		
20.000	139.200		
21.000	139.200		
22.000	139.200		
23.000	139.200		
24.001	139.200		
25.000	139.200		
26.000	139.200		
27.000	139.200		
28.000	139.200		
29.000	139.200		
30.000	139.200		
31.000	139.200		
32.001	139.200		
33.001	139.200		
34.000	139.200		
35.000	139.200		
36.000	139.200		
37.000	139.200		
38.000	139.200		
39.000	139.200		
40.000	139.200		
41.000	139.200		
42.000	139.200		
43.000	139.200		
44.000	139.200		
45.000	139.200		
46.000	139.200		
47.000	139.200		
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49.000	139.200		
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51.000	139.200		
52.000	139.200		
53.000	139.200		
54.000	139.200		
55.000	139.200		
56.000	139.200		
57.000	139.200		
58.000	139.204		
59.000	139.678		
60.000	140.526		
61.000	140.941		
62.000	141.119		
63.000	141.194		
64.000	141.219		
65.000	141.242		
66.000	141.262		
67.000	141.194		
68.000	141.171		
69.000	141.143		
70.000	141.109		
71.000	141.071		
72.000	141.031		
73.000	140.993		
74.000	140.959		
75.000	140.928		

Deberry Engineers, Inc.



76.000	140.898
77.000	140.867
78.000	140.836
79.000	140.805
80.000	140.773
81.000	140.740
82.000	140.707
83.000	140.671
84.000	140.636
85.000	140.601
86.000	140.565
87.000	140.530
88.000	140.493
89.000	140.457
90.000	140.419
91.000	140.380
92.000	140.339
93.000	140.297
94.000	140.252
95.000	140.202
96.000	140.148
97.000	140.073
98.000	139.967
99.000	139.848
100.000	139.724
101.000	139.599
102.000	139.477
103.000	139.352
104.000	139.223
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
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141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200

150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200
201.000	139.200
202.000	139.200
203.000	139.200
204.000	139.200
205.000	139.200
206.000	139.200
207.000	139.200
208.000	139.200
209.000	139.200
210.000	139.200
211.000	139.200
212.000	139.200
213.000	139.200
214.000	139.200
215.000	139.200
216.000	139.200
217.000	139.200
218.000	139.200
219.000	139.200
220.000	139.200
221.000	139.200
222.000	139.200
223.000	139.200

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

224.000	139.200
225.000	139.200
226.000	139.200
227.000	139.200
228.000	139.200
229.000	139.200
230.000	139.200
231.000	139.200
232.000	139.200
233.000	139.200
234.000	139.200
235.000	139.200
236.000	139.200
237.000	139.200
238.000	139.200
239.000	139.200
240.000	139.200
241.000	139.200
242.000	139.200
243.000	139.200
244.000	139.200
245.000	139.200
246.000	139.200
247.000	139.200
248.000	139.200
249.000	139.200
250.000	139.200
251.000	139.200
252.000	139.200
253.000	139.200
254.000	139.200
255.000	139.200
256.000	139.200
257.000	139.200
258.000	139.200
259.000	139.200
260.000	139.200
261.000	139.200
262.000	139.200
263.000	139.200
264.000	139.200
265.000	139.200
266.000	139.200
267.000	139.200
268.000	139.200
269.000	139.200
270.000	139.200
271.000	139.200
272.000	139.200
273.000	139.200
274.000	139.200
275.000	139.200
276.000	139.200
277.000	139.200
278.000	139.200
279.000	139.200
280.000	139.200
281.000	139.200
282.000	139.200
283.000	139.200
284.000	139.200
285.000	139.200
286.000	139.200
287.000	139.200
288.000	139.200
289.000	139.200
290.000	139.200
291.000	139.200
292.000	139.200
293.000	139.200
294.000	139.200
295.000	139.200
296.000	139.200
297.000	139.200

DeWberry Engineers, Inc.

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

298.000	139.200
299.000	139.200
300.000	139.200
301.000	139.200

Time (hrs)	Stage (Ft)	Node: NB2112	Type: Stage
0.000	130.100		
1.000	130.100		
2.000	130.101		
3.000	130.102		
4.000	130.105		
5.000	130.107		
6.000	130.110		
7.000	130.113		
8.000	130.116		
9.000	130.121		
10.000	130.127		
11.000	130.133		
12.000	130.140		
13.000	130.147		
14.001	130.154		
15.001	130.162		
16.000	130.171		
17.000	130.181		
18.000	130.191		
19.000	130.202		
20.000	130.213		
21.000	130.225		
22.000	130.236		
23.000	130.247		
24.001	130.258		
25.000	130.272		
26.000	130.294		
27.000	130.320		
28.000	130.347		
29.000	130.374		
30.000	130.402		
31.000	130.429		
32.001	130.457		
33.001	130.484		
34.000	130.512		
35.000	130.541		
36.000	130.570		
37.000	130.598		
38.000	130.627		
39.000	130.657		
40.000	130.686		
41.000	130.715		
42.000	130.745		
43.000	130.775		
44.000	130.807		
45.000	130.839		
46.000	130.872		
47.000	130.906		
48.000	130.940		
49.000	130.966		
50.000	130.981		
51.000	130.993		
52.000	131.007		
53.000	131.025		
54.000	131.045		
55.000	131.069		
56.000	131.136		
57.000	131.198		
58.000	131.283		
59.000	131.408		
60.000	131.612		
61.000	131.837		
62.000	131.955		
63.000	132.020		

DeWberry Engineers, Inc.

64.000	132.107
65.000	132.161
66.000	132.186
67.000	132.196
68.000	132.198
69.000	132.199
70.000	132.183
71.000	132.167
72.000	132.150
73.000	132.133
74.000	132.121
75.000	132.112
76.000	132.105
77.000	132.097
78.000	132.091
79.000	132.084
80.000	132.078
81.000	132.072
82.000	132.066
83.000	132.059
84.000	132.053
85.000	132.048
86.000	132.042
87.000	132.037
88.000	132.032
89.000	132.028
90.000	132.023
91.000	132.019
92.000	132.015
93.000	132.011
94.000	132.007
95.000	132.004
96.000	132.000
97.000	131.993
98.000	131.980
99.000	131.964
100.000	131.946
101.000	131.928
102.000	131.909
103.000	131.891
104.000	131.871
105.000	131.851
106.000	131.831
107.000	131.811
108.000	131.791
109.000	131.772
110.000	131.752
111.000	131.734
112.000	131.716
113.000	131.699
114.000	131.684
115.000	131.668
116.000	131.653
117.000	131.647
118.000	131.640
119.000	131.637
120.000	131.639
121.000	131.651
122.000	131.676
123.000	131.706
124.000	131.742
125.000	131.781
126.000	131.823
127.000	131.867
128.000	131.907
129.000	131.941
130.000	131.975
131.000	132.007
132.000	132.040
133.000	132.072
134.000	132.104
135.000	132.137
136.000	132.170
137.000	132.204

138.000	132.238
139.000	132.272
140.000	132.306
141.000	132.341
142.000	132.373
143.000	132.419
144.000	132.462
145.000	132.506
146.000	132.546
147.000	132.579
148.000	132.607
149.000	132.630
150.000	132.650
151.000	132.666
152.000	132.681
153.000	132.693
154.000	132.701
155.000	132.711
156.000	132.717
157.000	132.721
158.000	132.723
159.000	132.722
160.000	132.718
161.000	132.711
162.000	132.696
163.000	132.679
164.000	132.660
165.000	132.641
166.000	132.620
167.000	132.600
168.000	132.579
169.000	132.560
170.000	132.541
171.000	132.522
172.000	132.503
173.000	132.483
174.000	132.462
175.000	132.441
176.000	132.419
177.000	132.397
178.000	132.374
179.000	132.351
180.000	132.328
181.000	132.304
182.000	132.280
183.000	132.256
184.000	132.232
185.000	132.208
186.000	132.184
187.000	132.160
188.000	132.136
189.000	132.112
190.000	132.087
191.000	132.063
192.000	132.039
193.000	132.014
194.000	131.990
195.000	131.965
196.000	131.941
197.000	131.917
198.000	131.892
199.000	131.867
200.000	131.841
201.000	131.815
202.000	131.789
203.000	131.764
204.000	131.738
205.000	131.712
206.000	131.687
207.000	131.662
208.000	131.637
209.000	131.614
210.000	131.590
211.000	131.568

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

212.000	131.547
213.000	131.526
214.000	131.507
215.000	131.489
216.000	131.472
217.000	131.457
218.000	131.444
219.000	131.432
220.000	131.421
221.000	131.411
222.000	131.401
223.000	131.393
224.000	131.385
225.000	131.378
226.000	131.372
227.000	131.366
228.000	131.361
229.000	131.355
230.000	131.350
231.000	131.346
232.000	131.342
233.000	131.338
234.000	131.334
235.000	131.331
236.000	131.327
237.000	131.324
238.000	131.322
239.000	131.319
240.000	131.316
241.000	131.314
242.000	131.312
243.000	131.310
244.000	131.308
245.000	131.306
246.000	131.304
247.000	131.302
248.000	131.301
249.000	131.299
250.000	131.297
251.000	131.295
252.000	131.293
253.000	131.292
254.000	131.291
255.000	131.291
256.000	131.291
257.000	131.289
258.000	131.288
259.000	131.287
260.000	131.286
261.000	131.285
262.000	131.284
263.000	131.283
264.000	131.282
265.000	131.281
266.000	131.281
267.000	131.280
268.000	131.279
269.000	131.278
270.000	131.277
271.000	131.277
272.000	131.276
273.000	131.276
274.000	131.275
275.000	131.275
276.000	131.274
277.000	131.273
278.000	131.273
279.000	131.272
280.000	131.272
281.000	131.271
282.000	131.271
283.000	131.270
284.000	131.270
285.000	131.269

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

286.000	131.269
287.000	131.268
288.000	131.268
289.000	131.267
290.000	131.267
291.000	131.266
292.000	131.266
293.000	131.265
294.000	131.265
295.000	131.264
296.000	131.264
297.000	131.264
298.000	131.263
299.000	131.263
300.000	131.262

Name: PC509y5d

Node: NB2124

Type: Stage

Time (hrs)	Stage (Ft)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.000	131.710
6.000	131.710
7.000	131.710
8.000	131.713
9.000	131.719
10.000	131.725
11.000	131.731
12.000	131.738
13.000	131.744
14.001	131.750
15.001	131.756
16.000	131.762
17.000	131.768
18.000	131.774
19.000	131.781
20.000	131.787
21.000	131.793
22.000	131.800
23.000	131.806
24.001	131.812
25.000	131.825
26.000	131.845
27.000	131.864
28.000	131.882
29.000	131.901
30.000	131.920
31.000	131.939
32.001	131.957
33.001	131.975
34.000	131.993
35.000	132.011
36.000	132.029
37.000	132.046
38.000	132.063
39.000	132.080
40.000	132.095
41.000	132.112
42.000	132.128
43.000	132.144
44.000	132.160
45.000	132.174
46.000	132.189
47.000	132.204
48.000	132.218
49.000	132.223
50.000	132.220
51.000	132.220

Deberry Engineers, Inc.

52.000	132.224
53.000	132.232
54.000	132.245
55.000	132.263
56.000	132.292
57.000	132.327
58.000	132.384
59.000	132.483
60.000	132.677
61.000	132.866
62.000	133.053
63.000	133.246
64.000	133.270
65.000	133.240
66.000	133.204
67.000	133.174
68.000	133.147
69.000	133.117
70.000	133.082
71.000	133.045
72.000	133.008
73.000	132.985
74.000	132.975
75.000	132.972
76.000	132.969
77.000	132.966
78.000	132.963
79.000	132.961
80.000	132.958
81.000	132.956
82.000	132.954
83.000	132.950
84.000	132.949
85.000	132.947
86.000	132.946
87.000	132.944
88.000	132.943
89.000	132.942
90.000	132.941
91.000	132.940
92.000	132.939
93.000	132.938
94.000	132.937
95.000	132.936
96.000	132.934
97.000	132.920
98.000	132.890
99.000	132.860
100.000	132.831
101.000	132.804
102.000	132.782
103.000	132.763
104.000	132.749
105.000	132.738
106.000	132.699
107.000	132.684
108.000	132.669
109.000	132.652
110.000	132.637
111.000	132.622
112.000	132.608
113.000	132.598
114.000	132.588
115.000	132.586
116.000	132.584
117.000	132.583
118.000	132.546
119.000	132.538
120.000	132.529
121.000	132.516
122.000	132.501
123.000	132.487
124.000	132.473
125.000	132.460

126.000	132.447
127.000	132.435
128.000	132.424
129.000	132.413
130.000	132.402
131.000	132.393
132.000	132.383
133.000	132.374
134.000	132.366
135.000	132.358
136.000	132.351
137.000	132.344
138.000	132.339
139.000	132.334
140.000	132.330
141.000	132.326
142.000	132.322
143.000	132.318
144.000	132.314
145.000	132.310
146.000	132.306
147.000	132.302
148.000	132.299
149.000	132.293
150.000	132.285
151.000	132.277
152.000	132.269
153.000	132.261
154.000	132.253
155.000	132.245
156.000	132.237
157.000	132.229
158.000	132.221
159.000	132.213
160.000	132.205
161.000	132.197
162.000	132.189
163.000	132.181
164.000	132.173
165.000	132.165
166.000	132.157
167.000	132.149
168.000	132.141
169.000	132.133
170.000	132.125
171.000	132.117
172.000	132.109
173.000	132.101
174.000	132.093
175.000	132.085
176.000	132.077
177.000	132.069
178.000	132.061
179.000	132.053
180.000	132.045
181.000	132.037
182.000	132.029
183.000	132.021
184.000	132.013
185.000	132.005
186.000	131.997
187.000	131.989
188.000	131.981
189.000	131.973
190.000	131.965
191.000	131.957
192.000	131.949
193.000	131.941
194.000	131.933
195.000	131.925
196.000	131.917
197.000	131.909
198.000	131.901
199.000	131.893

200.000	132.317
201.000	132.310
202.000	132.302
203.000	132.295
204.000	132.288
205.000	132.282
206.000	132.275
207.000	132.269
208.000	132.263
209.000	132.257
210.000	132.251
211.000	132.245
212.000	132.240
213.000	132.234
214.000	132.229
215.000	132.224
216.000	132.219
217.000	132.214
218.000	132.209
219.000	132.204
220.000	132.200
221.000	132.195
222.000	132.191
223.000	132.187
224.000	132.182
225.000	132.178
226.000	132.174
227.000	132.170
228.000	132.163
229.000	132.159
230.000	132.156
231.000	132.152
232.000	132.149
233.000	132.145
234.000	132.142
235.000	132.138
236.000	132.135
237.000	132.133
238.000	132.132
239.000	132.132
240.000	132.129
241.000	132.123
242.000	132.120
243.000	132.117
244.000	132.114
245.000	132.112
246.000	132.109
247.000	132.106
248.000	132.103
249.000	132.101
250.000	132.098
251.000	132.095
252.000	132.093
253.000	132.091
254.000	132.088
255.000	132.086
256.000	132.084
257.000	132.081
258.000	132.079
259.000	132.077
260.000	132.075
261.000	132.073
262.000	132.070
263.000	132.068
264.000	132.066
265.000	132.064
266.000	132.062
267.000	132.060
268.000	132.058
269.000	132.056
270.000	132.054
271.000	132.053
272.000	132.051
273.000	132.049

274.000	132.047
275.000	132.045
276.000	132.043
277.000	132.042
278.000	132.040
279.000	132.038
280.000	132.037
281.000	132.035
282.000	132.033
283.000	132.032
284.000	132.030
285.000	132.029
286.000	132.027
287.000	132.026
288.000	132.024
289.000	132.023
290.000	132.021
291.000	132.020
292.000	132.018
293.000	132.017
294.000	132.015
295.000	132.014
296.000	132.013
297.000	132.011
298.000	132.010
299.000	132.008
300.000	132.007

Name: PC50y5d Node: NE2130 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.600
1.000	129.600
2.000	129.602
3.000	129.606
4.000	129.612
5.000	129.620
6.000	129.636
7.000	129.654
8.000	129.654
9.000	129.654
10.000	129.664
11.000	129.674
12.000	129.683
13.000	129.693
14.001	129.702
15.001	129.711
16.000	129.720
17.000	129.728
18.000	129.738
19.000	129.748
20.000	129.758
21.000	129.768
22.000	129.778
23.000	129.789
24.001	129.799
25.000	129.814
26.000	129.840
27.000	129.871
28.000	129.902
29.000	129.928
30.000	129.948
31.000	129.988
32.001	130.029
33.001	130.059
34.000	130.090
35.000	130.120
36.000	130.150
37.000	130.179
38.000	130.209
39.000	130.238

40.000	130.267
41.000	130.295
42.000	130.323
43.000	130.351
44.000	130.379
45.000	130.409
46.000	130.438
47.000	130.467
48.000	130.496
49.000	130.519
50.000	130.528
51.000	130.533
52.000	130.540
53.000	130.554
54.000	130.576
55.000	130.608
56.000	130.651
57.000	130.721
58.000	130.799
59.000	130.947
60.000	131.216
61.000	131.588
62.000	131.916
63.000	132.100
64.000	132.163
65.000	132.186
66.000	132.201
67.000	132.209
68.000	132.213
69.000	132.205
70.000	132.195
71.000	132.180
72.000	132.163
73.000	132.147
74.000	132.136
75.000	132.128
76.000	132.121
77.000	132.115
78.000	132.109
79.000	132.103
80.000	132.098
81.000	132.092
82.000	132.087
83.000	132.082
84.000	132.077
85.000	132.073
86.000	132.068
87.000	132.065
88.000	132.061
89.000	132.057
90.000	132.054
91.000	132.051
92.000	132.048
93.000	132.046
94.000	132.043
95.000	132.042
96.000	132.039
97.000	132.034
98.000	132.024
99.000	132.011
100.000	131.998
101.000	131.986
102.000	131.975
103.000	131.972
104.000	131.969
105.000	131.950
106.000	131.943
107.000	131.938
108.000	131.935
109.000	131.931
110.000	131.927
111.000	131.924
112.000	131.921
113.000	131.919

114.000	131.918
115.000	131.916
116.000	131.914
117.000	131.913
118.000	131.911
119.000	131.911
120.000	131.910
121.000	131.908
122.000	131.905
123.000	131.903
124.000	131.900
125.000	131.897
126.000	131.895
127.000	131.894
128.000	131.903
129.000	131.926
130.000	131.988
131.000	132.022
132.000	132.057
133.000	132.092
134.000	132.126
135.000	132.161
136.000	132.194
137.000	132.229
138.000	132.263
139.000	132.298
140.000	132.332
141.000	132.352
142.000	132.409
143.000	132.452
144.000	132.497
145.000	132.538
146.000	132.572
147.000	132.601
148.000	132.624
149.000	132.644
150.000	132.661
151.000	132.676
152.000	132.689
153.000	132.707
154.000	132.713
155.000	132.717
156.000	132.719
157.000	132.719
158.000	132.719
159.000	132.719
160.000	132.716
161.000	132.709
162.000	132.695
163.000	132.678
164.000	132.660
165.000	132.641
166.000	132.621
167.000	132.601
168.000	132.581
169.000	132.563
170.000	132.545
171.000	132.527
172.000	132.508
173.000	132.488
174.000	132.468
175.000	132.448
176.000	132.427
177.000	132.407
178.000	132.383
179.000	132.360
180.000	132.338
181.000	132.314
182.000	132.291
183.000	132.268
184.000	132.245
185.000	132.222
186.000	132.198
187.000	132.175

188.000	132.153
189.000	132.130
190.000	132.108
191.000	132.086
192.000	132.064
193.000	132.042
194.000	132.020
195.000	132.007
196.000	131.990
197.000	131.974
198.000	131.959
199.000	131.947
200.000	131.936
201.000	131.927
202.000	131.918
203.000	131.912
204.000	131.903
205.000	131.898
206.000	131.895
207.000	131.895
208.000	131.892
209.000	131.889
210.000	131.886
211.000	131.884
212.000	131.882
213.000	131.880
214.000	131.878
215.000	131.876
216.000	131.876
217.000	131.874
218.000	131.873
219.000	131.872
220.000	131.871
221.000	131.870
222.000	131.869
223.000	131.869
224.000	131.868
225.000	131.867
226.000	131.866
227.000	131.866
228.000	131.865
229.000	131.865
230.000	131.864
231.000	131.864
232.000	131.863
233.000	131.863
234.000	131.862
235.000	131.862
236.000	131.861
237.000	131.861
238.000	131.860
239.000	131.860
240.000	131.859
241.000	131.859
242.000	131.859
243.000	131.858
244.000	131.858
245.000	131.858
246.000	131.857
247.000	131.857
248.000	131.857
249.000	131.856
250.000	131.856
251.000	131.855
252.000	131.855
253.000	131.855
254.000	131.855
255.000	131.854
256.000	131.854
257.000	131.854
258.000	131.854
259.000	131.853
260.000	131.853
261.000	131.853

262.000	131.853
263.000	131.852
264.000	131.852
265.000	131.852
266.000	131.851
267.000	131.851
268.000	131.851
269.000	131.851
270.000	131.850
271.000	131.850
272.000	131.850
273.000	131.850
274.000	131.849
275.000	131.849
276.000	131.849
277.000	131.848
278.000	131.848
279.000	131.848
280.000	131.848
281.000	131.847
282.000	131.847
283.000	131.847
284.000	131.847
285.000	131.846
286.000	131.846
287.000	131.846
288.000	131.845
289.000	131.845
290.000	131.845
291.000	131.844
292.000	131.844
293.000	131.844
294.000	131.844
295.000	131.844
296.000	131.843
297.000	131.843
298.000	131.843
299.000	131.842
300.000	131.842

Name: PCL0Y1d	Node: NB0043	Type: Stage
Time (hrs)	Stage (ft)	
0.000	143.090	
1.000	143.090	
2.000	143.090	
3.000	143.090	
4.000	143.090	
5.000	143.090	
6.000	143.090	
7.000	143.090	
8.000	143.090	
9.000	143.090	
10.000	143.090	
11.000	143.090	
12.000	143.198	
13.001	143.434	
14.000	143.408	
15.000	143.361	
16.000	143.313	
17.000	143.265	
18.000	143.217	
19.000	143.172	
20.000	143.128	
21.000	143.090	
22.000	143.090	
23.000	143.090	
24.000	143.090	
25.000	143.090	
26.000	143.090	
27.000	143.090	



28.000	143.090
29.000	143.090
30.000	143.090
31.000	143.090
32.000	143.090
33.000	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090
38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.090
56.000	143.090
57.000	143.090
58.000	143.090
59.000	143.090
60.000	143.090
61.000	143.090
62.000	143.090
63.000	143.090
64.000	143.090
65.000	143.090
66.000	143.090
67.000	143.090
68.000	143.090
69.000	143.090
70.000	143.090
71.000	143.090
72.000	143.090
73.000	143.090
74.000	143.090
75.000	143.090
76.000	143.090
77.000	143.090
78.000	143.090
79.000	143.090
80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090
84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090

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102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090
111.000	143.090
112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090

DeBerry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Name: PCL0Y1d Node: NB0050 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.421
3.000	129.426
4.000	129.433
5.001	129.442
6.000	128.452
7.000	128.466
8.000	128.477
9.000	129.494
10.000	129.514
11.000	129.539
12.000	129.587
13.001	129.753
14.000	129.860
15.000	129.922
16.000	129.958
17.000	129.978
18.000	129.991
19.000	130.000
20.000	130.002
21.000	130.015
22.000	130.020
23.000	130.024
24.000	130.027
25.000	130.028
26.000	130.025
27.000	130.020
28.000	130.015
29.000	130.009
30.000	130.004
31.000	129.998
32.000	129.993
33.000	129.988
34.000	129.983
35.000	129.978
36.000	129.973
37.000	129.968
38.000	129.963
39.000	129.959
40.000	129.954
41.000	129.950

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

42.000	129.945
43.000	129.941
44.000	129.937
45.000	129.933
46.000	129.929
47.000	129.925
48.000	129.920
49.000	129.916
50.000	129.913
51.000	129.909
52.000	129.905
53.000	129.901
54.000	129.898
55.000	129.894
56.000	129.891
57.000	129.887
58.000	129.884
59.000	129.881
60.000	129.877
61.000	129.874
62.000	129.871
63.000	129.868
64.000	129.865
65.000	129.861
66.000	129.858
67.000	129.856
68.000	129.853
69.000	129.850
70.000	129.847
71.000	129.844
72.000	129.841
73.000	129.839
74.000	129.836
75.000	129.833
76.000	129.831
77.000	129.828
78.000	129.825
79.000	129.823
80.000	129.820
81.000	129.818
82.000	129.816
83.000	129.813
84.000	129.811
85.000	129.809
86.000	129.806
87.000	129.804
88.000	129.802
89.000	129.800
90.000	129.797
91.000	129.795
92.000	129.793
93.000	129.790
94.000	129.788
95.000	129.787
96.000	129.785
97.000	129.783
98.000	129.781
99.000	129.779
100.000	129.777
101.000	129.775
102.000	129.773
103.000	129.771
104.000	129.769
105.000	129.767
106.000	129.766
107.000	129.764
108.000	129.762
109.000	129.761
110.000	129.759
111.000	129.757
112.000	129.756
113.000	129.754
114.000	129.752
115.000	129.751

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116.000	129.749
117.000	129.747
118.000	129.746
119.000	129.744
120.000	129.743
121.000	129.741
122.000	129.740
123.000	129.738
124.000	129.737
125.000	129.735
126.000	129.734
127.000	129.732
128.000	129.731
129.000	129.728
130.000	129.728
131.000	129.727
132.000	129.726
133.000	129.725
134.000	129.723
135.000	129.722
136.000	129.720
137.000	129.719
138.000	129.718
139.000	129.716
140.000	129.715
141.000	129.714
142.000	129.713
143.000	129.711
144.000	129.711
145.000	129.709
146.000	129.708
147.000	129.707
148.000	129.706
149.000	129.704
150.000	129.703
151.000	129.702
152.000	129.701
153.000	129.700
154.000	129.699
155.000	129.699
156.000	129.697
157.000	129.695
158.000	129.694
159.000	129.693
160.000	129.692
161.000	129.691
162.000	129.690
163.000	129.689
164.000	129.688
165.000	129.687
166.000	129.686
167.000	129.685
168.000	129.683
169.000	129.683
170.000	129.682
171.000	129.681
172.000	129.680
173.000	129.680
174.000	129.679
175.000	129.678
176.000	129.677
177.000	129.676
178.000	129.675
179.000	129.673
180.000	129.673
181.000	129.672
182.000	129.671
183.000	129.671
184.000	129.670
185.000	129.669
186.000	129.668
187.000	129.667
188.000	129.666
189.000	129.666

190.000	129.665
191.000	129.664
192.000	129.663
193.000	129.662
194.000	129.661
195.000	129.661
196.000	129.660
197.000	129.659
198.000	129.659
199.000	129.658
200.000	129.657

Name: PCL0Y1d	Node: NB010Z	Type: Stage
Time(hrs)	Stage(ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.001	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.201	
13.001	139.500	
14.000	139.200	
15.000	139.200	
16.000	139.200	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.000	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	
28.000	139.200	
29.000	139.200	
30.000	139.200	
31.000	139.200	
32.000	139.200	
33.000	139.200	
34.000	139.200	
35.000	139.200	
36.000	139.200	
37.000	139.200	
38.000	139.200	
39.000	139.200	
40.000	139.200	
41.000	139.200	
42.000	139.200	
43.000	139.200	
44.000	139.200	
45.000	139.200	
46.000	139.200	
47.000	139.200	
48.000	139.200	
49.000	139.200	
50.000	139.200	
51.000	139.200	
52.000	139.200	
53.000	139.200	
54.000	139.200	
55.000	139.200	

56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.200
61.000	139.200
62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200
77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200

130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PClOy1d	Node: NB2112	Type: Stage
Time(hrs)	Stage(ft)	
1.000	130.110	
2.000	130.100	
3.000	130.101	
4.000	130.105	
5.001	130.109	
6.000	130.114	
7.000	130.122	
8.000	130.133	
9.000	130.148	
10.000	130.168	
11.000	130.195	
12.000	130.232	
13.001	130.282	
14.000	130.602	
15.000	130.755	
16.000	130.847	
17.000	130.907	
18.000	130.953	
19.000	130.991	
20.000	131.023	
21.000	131.052	
22.000	131.078	
23.000	131.100	
24.000	131.124	
25.000	131.149	
26.000	131.157	
27.000	131.159	
28.000	131.160	
29.000	131.161	
30.000	131.161	
31.000	131.160	
32.000	131.158	
33.000	131.158	
34.000	131.157	
35.000	131.153	
36.000	131.152	
37.000	131.151	
38.000	131.149	
39.000	131.146	
40.000	131.144	
41.000	131.142	
42.000	131.139	
43.000	131.137	
44.000	131.135	
45.000	131.133	
46.000	131.133	
47.000	131.128	
48.000	131.126	
49.000	131.124	
50.000	131.122	
51.000	131.120	
52.000	131.118	
53.000	131.116	
54.000	131.114	
55.000	131.112	
56.000	131.110	
57.000	131.108	
58.000	131.106	
59.000	131.106	
60.000	131.103	
61.000	131.101	
62.000	131.099	
63.000	131.097	
64.000	131.095	
65.000	131.094	
66.000	131.092	
67.000	131.090	
68.000	131.089	
69.000	131.087	

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70.000	131.085	
71.000	131.084	
72.000	131.082	
73.000	131.080	
74.000	131.079	
75.000	131.077	
76.000	131.076	
77.000	131.074	
78.000	131.073	
79.000	131.071	
80.000	131.070	
81.000	131.068	
82.000	131.067	
83.000	131.065	
84.000	131.064	
85.000	131.061	
86.000	131.060	
87.000	131.058	
88.000	131.057	
89.000	131.056	
90.000	131.054	
91.000	131.053	
92.000	131.052	
93.000	131.052	
94.000	131.050	
95.000	131.049	
96.000	131.048	
97.000	131.046	
98.000	131.044	
99.000	131.044	
100.000	131.043	
101.000	131.041	
102.000	131.040	
103.000	131.039	
104.000	131.038	
105.000	131.037	
106.000	131.035	
107.000	131.034	
108.000	131.032	
109.000	131.032	
110.000	131.032	
111.000	131.030	
112.000	131.028	
113.000	131.027	
114.000	131.026	
115.000	131.025	
116.000	131.024	
117.000	131.023	
118.000	131.022	
119.000	131.021	
120.000	131.020	
121.000	131.019	
122.000	131.018	
123.000	131.017	
124.000	131.016	
125.000	131.015	
126.000	131.014	
127.000	131.013	
128.000	131.012	
129.000	131.011	
130.000	131.010	
131.000	131.009	
132.000	131.008	
133.000	131.007	
134.000	131.007	
135.000	131.006	
136.000	131.005	
137.000	131.004	
138.000	131.003	
139.000	131.002	
140.000	131.001	
141.000	131.000	
142.000	131.000	
143.000	130.999	

Deberry Engineers, Inc.

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

144.000	130.998		
145.000	130.997		
146.000	130.996		
147.000	130.995		
148.000	130.994		
149.000	130.993		
150.000	130.992		
151.000	130.991		
152.000	130.990		
153.000	130.989		
154.000	130.988		
155.000	130.988		
156.000	130.987		
157.000	130.986		
158.000	130.985		
159.000	130.984		
160.000	130.983		
161.000	130.982		
162.000	130.982		
163.000	130.981		
164.000	130.980		
165.000	130.979		
166.000	130.978		
167.000	130.977		
168.000	130.976		
169.000	130.975		
170.000	130.974		
171.000	130.973		
172.000	130.972		
173.000	130.971		
174.000	130.970		
175.000	130.969		
176.000	130.968		
177.000	130.967		
178.000	130.966		
179.000	130.965		
180.000	130.965		
181.000	130.964		
182.000	130.963		
183.000	130.962		
184.000	130.962		
185.000	130.961		
186.000	130.961		
187.000	130.961		
188.000	130.961		
189.000	130.961		
190.000	130.961		
191.000	130.961		
192.000	130.961		
193.000	130.961		
194.000	130.961		
195.000	130.961		
196.000	130.961		
197.000	130.961		
198.000	130.961		
199.000	130.961		
200.000	130.961		

Deberry Engineers, Inc.

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

10.000	131.796		
11.000	131.830		
12.000	131.931		
13.000	132.157		
14.000	132.416		
15.000	132.716		
16.000	133.056		
17.000	133.436		
18.000	133.856		
19.000	134.316		
20.000	134.816		
21.000	135.356		
22.000	135.936		
23.000	136.556		
24.000	137.216		
25.000	137.916		
26.000	138.656		
27.000	139.436		
28.000	140.256		
29.000	141.116		
30.000	142.016		
31.000	142.956		
32.000	143.936		
33.000	144.956		
34.000	146.016		
35.000	147.116		
36.000	148.256		
37.000	149.436		
38.000	150.656		
39.000	151.916		
40.000	153.216		
41.000	154.556		
42.000	155.936		
43.000	157.356		
44.000	158.816		
45.000	160.316		
46.000	161.856		
47.000	163.436		
48.000	165.056		
49.000	166.716		
50.000	168.416		
51.000	170.156		
52.000	171.936		
53.000	173.756		
54.000	175.616		
55.000	177.516		
56.000	179.456		
57.000	181.436		
58.000	183.456		
59.000	185.516		
60.000	187.616		
61.000	189.756		
62.000	191.936		
63.000	194.156		
64.000	196.416		
65.000	198.716		
66.000	201.056		
67.000	203.436		
68.000	205.856		
69.000	208.316		
70.000	210.816		
71.000	213.356		
72.000	215.936		
73.000	218.556		
74.000	221.216		
75.000	223.916		
76.000	226.656		
77.000	229.436		
78.000	232.256		
79.000	235.116		
80.000	238.016		
81.000	240.956		
82.000	243.936		
83.000	246.956		

Deberry Engineers, Inc.

84.000	132.070
85.000	132.068
86.000	132.066
87.000	132.064
88.000	132.062
89.000	132.060
90.000	132.058
91.000	132.056
92.000	132.054
93.000	132.053
94.000	132.051
95.000	132.049
96.000	132.047
97.000	132.045
98.000	132.043
99.000	132.042
100.000	132.040
101.000	132.038
102.000	132.037
103.000	132.035
104.000	132.033
105.000	132.032
106.000	132.030
107.000	132.029
108.000	132.027
109.000	132.026
110.000	132.024
111.000	132.023
112.000	132.021
113.000	132.020
114.000	132.018
115.000	132.017
116.000	132.015
117.000	132.014
118.000	132.013
119.000	132.011
120.000	132.010
121.000	132.008
122.000	132.007
123.000	132.006
124.000	132.005
125.000	132.003
126.000	132.002
127.000	132.001
128.000	132.000
129.000	131.998
130.000	131.997
131.000	131.996
132.000	131.995
133.000	131.994
134.000	131.992
135.000	131.991
136.000	131.990
137.000	131.989
138.000	131.988
139.000	131.987
140.000	131.986
141.000	131.985
142.000	131.983
143.000	131.982
144.000	131.981
145.000	131.980
146.000	131.979
147.000	131.978
148.000	131.977
149.000	131.976
150.000	131.975
151.000	131.974
152.000	131.973
153.000	131.972
154.000	131.971
155.000	131.970
156.000	131.969
157.000	131.969

158.000	131.968
159.000	131.967
160.000	131.966
161.000	131.965
162.000	131.964
163.000	131.963
164.000	131.962
165.000	131.961
166.000	131.961
167.000	131.960
168.000	131.959
169.000	131.958
170.000	131.957
171.000	131.956
172.000	131.955
173.000	131.953
174.000	131.953
175.000	131.953
176.000	131.952
177.000	131.951
178.000	131.951
179.000	131.950
180.000	131.949
181.000	131.948
182.000	131.948
183.000	131.947
184.000	131.946
185.000	131.945
186.000	131.945
187.000	131.944
188.000	131.943
189.000	131.942
190.000	131.942
191.000	131.941
192.000	131.940
193.000	131.940
194.000	131.939
195.000	131.938
196.000	131.938
197.000	131.937
198.000	131.936
199.000	131.936
200.000	131.935
200.000	131.935

Name: PColyld Node: NB2130 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.600
1.000	129.601
2.000	129.601
3.000	129.611
4.000	129.623
5.001	129.636
6.000	129.653
7.000	129.673
8.000	129.695
9.000	129.722
10.000	129.755
11.000	128.801
12.000	128.889
13.000	130.188
14.000	130.499
15.000	130.563
16.000	130.597
17.000	130.622
18.000	130.642
19.000	130.658
20.000	130.673
21.000	130.673
22.000	130.685
23.000	130.696

24.000	130.706
25.000	130.711
26.000	130.710
27.000	130.707
28.000	130.708
29.000	130.698
30.000	130.693
31.000	130.689
32.000	130.686
33.000	130.682
34.000	130.679
35.000	130.676
36.000	130.674
37.000	130.672
38.000	130.670
39.000	130.669
40.000	130.669
41.000	130.669
42.000	130.669
43.000	130.670
44.000	130.671
45.000	130.671
46.000	130.672
47.000	130.673
48.000	130.674
49.000	130.675
50.000	130.675
51.000	130.675
52.000	130.675
53.000	130.678
54.000	130.678
55.000	130.679
56.000	130.680
57.000	130.681
58.000	130.682
59.000	130.682
60.000	130.683
61.000	130.684
62.000	130.684
63.000	130.682
64.000	130.682
65.000	130.686
66.000	130.687
67.000	130.688
68.000	130.688
69.000	130.689
70.000	130.690
71.000	130.690
72.000	130.691
73.000	130.692
74.000	130.692
75.000	130.693
76.000	130.693
77.000	130.694
78.000	130.694
79.000	130.695
80.000	130.696
81.000	130.696
82.000	130.696
83.000	130.697
84.000	130.698
85.000	130.698
86.000	130.699
87.000	130.699
88.000	130.700
89.000	130.700
90.000	130.701
91.000	130.701
92.000	130.702
93.000	130.702
94.000	130.703
95.000	130.703
96.000	130.704
97.000	130.704

98.000	130.705
99.000	130.705
100.000	130.706
101.000	130.706
102.000	130.706
103.000	130.707
104.000	130.707
105.000	130.708
106.000	130.708
107.000	130.709
108.000	130.709
109.000	130.709
110.000	130.710
111.000	130.710
112.000	130.711
113.000	130.711
114.000	130.711
115.000	130.712
116.000	130.712
117.000	130.713
118.000	130.713
119.000	130.713
120.000	130.714
121.000	130.714
122.000	130.714
123.000	130.715
124.000	130.715
125.000	130.715
126.000	130.716
127.000	130.716
128.000	130.716
129.000	130.717
130.000	130.717
131.000	130.717
132.000	130.718
133.000	130.718
134.000	130.718
135.000	130.719
136.000	130.719
137.000	130.719
138.000	130.720
139.000	130.720
140.000	130.720
141.000	130.721
142.000	130.721
143.000	130.721
144.000	130.722
145.000	130.722
146.000	130.722
147.000	130.722
148.000	130.723
149.000	130.723
150.000	130.723
151.000	130.724
152.000	130.724
153.000	130.724
154.000	130.724
155.000	130.724
156.000	130.725
157.000	130.725
158.000	130.725
159.000	130.725
160.000	130.726
161.000	130.726
162.000	130.726
163.000	130.726
164.000	130.727
165.000	130.727
166.000	130.727
167.000	130.728
168.000	130.728
169.000	130.728
170.000	130.728
171.000	130.729



172.000	130.729
173.000	130.729
174.000	130.729
175.000	130.730
176.000	130.730
177.000	130.730
178.000	130.730
179.000	130.731
180.000	130.731
181.000	130.731
182.000	130.731
183.000	130.731
184.000	130.732
185.000	130.732
186.000	130.732
187.000	130.732
188.000	130.733
189.000	130.733
190.000	130.733
191.000	130.733
192.000	130.733
193.000	130.733
194.000	130.734
195.000	130.734
196.000	130.734
197.000	130.734
198.000	130.734
199.000	130.735
200.000	130.735

Name: PC25Yd Node: NB0043 Type: Stage

Time (hrs)	Stage (Ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.001	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090
10.000	143.090
11.000	143.090
12.000	143.215
13.000	143.472
14.000	143.453
15.000	143.412
16.000	143.466
17.000	143.322
18.000	143.278
19.000	143.234
20.000	143.193
21.000	143.150
22.000	143.110
23.000	143.090
24.000	143.090
25.000	143.090
26.000	143.090
27.000	143.090
28.000	143.090
29.000	143.090
30.000	143.090
31.000	143.090
32.000	143.090
33.000	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090

38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.090
56.000	143.090
57.000	143.090
58.000	143.090
59.000	143.090
60.000	143.090
61.000	143.090
62.000	143.090
63.000	143.090
64.000	143.090
65.000	143.090
66.000	143.090
67.000	143.090
68.000	143.090
69.000	143.090
70.000	143.090
71.000	143.090
72.000	143.090
73.000	143.090
74.000	143.090
75.000	143.090
76.000	143.090
77.000	143.090
78.000	143.090
79.000	143.090
80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090
84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090
102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090
111.000	143.090

112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090

186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Time (hrs)	Stage (ft)	Node: NB0050	Type: Stage
0.000	129.420		
1.000	129.420		
2.000	129.421		
3.000	129.427		
4.000	129.435		
5.001	129.444		
6.000	129.456		
7.000	129.482		
8.000	129.482		
9.000	129.501		
10.000	129.522		
11.000	129.550		
12.000	129.600		
13.000	129.780		
14.000	129.895		
15.000	129.962		
16.000	130.001		
17.000	130.021		
18.000	130.032		
19.000	130.042		
20.000	130.053		
21.000	130.059		
22.000	130.064		
23.000	130.068		
24.000	130.071		
25.000	130.071		
26.000	130.067		
27.000	130.062		
28.000	130.058		
29.000	130.049		
30.000	130.042		
31.000	130.037		
32.000	130.031		
33.000	130.025		
34.000	130.019		
35.000	130.013		
36.000	130.008		
37.000	130.002		
38.000	129.997		
39.000	129.992		
40.000	129.986		
41.000	129.981		
42.000	129.976		
43.000	129.971		
44.000	129.967		
45.000	129.962		
46.000	129.957		
47.000	129.953		
48.000	129.948		
49.000	129.944		
50.000	129.940		
51.000	129.935		
52.000	129.931		

Existing Peace Creek Model (Basins 1-4)  
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53.000	129.927
54.000	129.923
55.000	129.919
56.000	129.915
57.000	129.911
58.000	129.907
59.000	129.904
60.000	129.900
61.000	129.896
62.000	129.893
63.000	129.889
64.000	129.886
65.000	129.883
66.000	129.879
67.000	129.876
68.000	129.872
69.000	129.868
70.000	129.866
71.000	129.863
72.000	129.860
73.000	129.857
74.000	129.854
75.000	129.851
76.000	129.849
77.000	129.846
78.000	129.843
79.000	129.840
80.000	129.836
81.000	129.832
82.000	129.832
83.000	129.830
84.000	129.827
85.000	129.825
86.000	129.822
87.000	129.820
88.000	129.817
89.000	129.815
90.000	129.812
91.000	129.810
92.000	129.806
93.000	129.802
94.000	129.803
95.000	129.801
96.000	129.799
97.000	129.797
98.000	129.794
99.000	129.792
100.000	129.790
101.000	129.788
102.000	129.786
103.000	129.784
104.000	129.782
105.000	129.782
106.000	129.778
107.000	129.776
108.000	129.774
109.000	129.773
110.000	129.771
111.000	129.769
112.000	129.767
113.000	129.765
114.000	129.763
115.000	129.762
116.000	129.762
117.000	129.759
118.000	129.757
119.000	129.755
120.000	129.753
121.000	129.752
122.000	129.750
123.000	129.748
124.000	129.747
125.000	129.745
126.000	129.744

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

127.000	129.742
128.000	129.741
129.000	129.739
130.000	129.736
131.000	129.735
132.000	129.735
133.000	129.733
134.000	129.732
135.000	129.730
136.000	129.729
137.000	129.728
138.000	129.726
139.000	129.725
140.000	129.724
141.000	129.722
142.000	129.721
143.000	129.720
144.000	129.719
145.000	129.717
146.000	129.716
147.000	129.715
148.000	129.713
149.000	129.712
150.000	129.711
151.000	129.710
152.000	129.709
153.000	129.707
154.000	129.706
155.000	129.704
156.000	129.704
157.000	129.703
158.000	129.702
159.000	129.700
160.000	129.699
161.000	129.698
162.000	129.697
163.000	129.696
164.000	129.695
165.000	129.694
166.000	129.692
167.000	129.691
168.000	129.691
169.000	129.690
170.000	129.689
171.000	129.688
172.000	129.687
173.000	129.686
174.000	129.685
175.000	129.684
176.000	129.683
177.000	129.682
178.000	129.682
179.000	129.681
180.000	129.681
181.000	129.679
182.000	129.678
183.000	129.677
184.000	129.676
185.000	129.675
186.000	129.674
187.000	129.673
188.000	129.672
189.000	129.671
190.000	129.670
191.000	129.669
192.000	129.669
193.000	129.668
194.000	129.667
195.000	129.666
196.000	129.665
197.000	129.664
198.000	129.664
199.000	129.663
200.000	129.662

Deberry Engineers, Inc.

Name: FC25Yd	Node: NB0102	Type: Stage
Time (hrs)	Stage (ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.001	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.201	
13.000	139.619	
14.000	139.200	
15.000	139.200	
16.000	139.200	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.000	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	
28.000	139.200	
29.000	139.200	
30.000	139.200	
31.000	139.200	
32.000	139.200	
33.000	139.200	
34.000	139.200	
35.000	139.200	
36.000	139.200	
37.000	139.200	
38.000	139.200	
39.000	139.200	
40.000	139.200	
41.000	139.200	
42.000	139.200	
43.000	139.200	
44.000	139.200	
45.000	139.200	
46.000	139.200	
47.000	139.200	
48.000	139.200	
49.000	139.200	
50.000	139.200	
51.000	139.200	
52.000	139.200	
53.000	139.200	
54.000	139.200	
55.000	139.200	
56.000	139.200	
57.000	139.200	
58.000	139.200	
59.000	139.200	
60.000	139.200	
61.000	139.200	
62.000	139.200	
63.000	139.200	
64.000	139.200	
65.000	139.200	
66.000	139.200	
67.000	139.200	

Deberry Engineers, Inc.

68.000	139.200	
69.000	139.200	
70.000	139.200	
71.000	139.200	
72.000	139.200	
73.000	139.200	
74.000	139.200	
75.000	139.200	
76.000	139.200	
77.000	139.200	
78.000	139.200	
79.000	139.200	
80.000	139.200	
81.000	139.200	
82.000	139.200	
83.000	139.200	
84.000	139.200	
85.000	139.200	
86.000	139.200	
87.000	139.200	
88.000	139.200	
89.000	139.200	
90.000	139.200	
91.000	139.200	
92.000	139.200	
93.000	139.200	
94.000	139.200	
95.000	139.200	
96.000	139.200	
97.000	139.200	
98.000	139.200	
99.000	139.200	
100.000	139.200	
101.000	139.200	
102.000	139.200	
103.000	139.200	
104.000	139.200	
105.000	139.200	
106.000	139.200	
107.000	139.200	
108.000	139.200	
109.000	139.200	
110.000	139.200	
111.000	139.200	
112.000	139.200	
113.000	139.200	
114.000	139.200	
115.000	139.200	
116.000	139.200	
117.000	139.200	
118.000	139.200	
119.000	139.200	
120.000	139.200	
121.000	139.200	
122.000	139.200	
123.000	139.200	
124.000	139.200	
125.000	139.200	
126.000	139.200	
127.000	139.200	
128.000	139.200	
129.000	139.200	
130.000	139.200	
131.000	139.200	
132.000	139.200	
133.000	139.200	
134.000	139.200	
135.000	139.200	
136.000	139.200	
137.000	139.200	
138.000	139.200	
139.000	139.200	
140.000	139.200	
141.000	139.200	

Deberry Engineers, Inc.

142.000	139.200		
143.000	139.200		
144.000	139.200		
145.000	139.200		
146.000	139.200		
147.000	139.200		
148.000	139.200		
149.000	139.200		
150.000	139.200		
151.000	139.200		
152.000	139.200		
153.000	139.200		
154.000	139.200		
155.000	139.200		
156.000	139.200		
157.000	139.200		
158.000	139.200		
159.000	139.200		
160.000	139.200		
161.000	139.200		
162.000	139.200		
163.000	139.200		
164.000	139.200		
165.000	139.200		
166.000	139.200		
167.000	139.200		
168.000	139.200		
169.000	139.200		
170.000	139.200		
171.000	139.200		
172.000	139.200		
173.000	139.200		
174.000	139.200		
175.000	139.200		
176.000	139.200		
177.000	139.200		
178.000	139.200		
179.000	139.200		
180.000	139.200		
181.000	139.200		
182.000	139.200		
183.000	139.200		
184.000	139.200		
185.000	139.200		
186.000	139.200		
187.000	139.200		
188.000	139.200		
189.000	139.200		
190.000	139.200		
191.000	139.200		
192.000	139.200		
193.000	139.200		
194.000	139.200		
195.000	139.200		
196.000	139.200		
197.000	139.200		
198.000	139.200		
199.000	139.200		
200.000	139.200		

Deberry Engineers, Inc.

9.000	130.176		
10.000	130.207		
11.000	130.252		
12.000	130.346		
13.000	130.440		
14.000	130.516		
15.000	130.617		
16.000	130.983		
17.000	131.033		
18.000	131.075		
19.000	131.110		
20.000	131.140		
21.000	131.165		
22.000	131.187		
23.000	131.207		
24.000	131.223		
25.000	131.233		
26.000	131.231		
27.000	131.227		
28.000	131.223		
29.000	131.219		
30.000	131.214		
31.000	131.210		
32.000	131.206		
33.000	131.202		
34.000	131.198		
35.000	131.194		
36.000	131.189		
37.000	131.184		
38.000	131.180		
39.000	131.177		
40.000	131.174		
41.000	131.171		
42.000	131.168		
43.000	131.165		
44.000	131.162		
45.000	131.159		
46.000	131.154		
47.000	131.151		
48.000	131.149		
49.000	131.149		
50.000	131.149		
51.000	131.146		
52.000	131.144		
53.000	131.141		
54.000	131.139		
55.000	131.137		
56.000	131.134		
57.000	131.132		
58.000	131.130		
59.000	131.128		
60.000	131.126		
61.000	131.123		
62.000	131.121		
63.000	131.119		
64.000	131.117		
65.000	131.115		
66.000	131.113		
67.000	131.111		
68.000	131.109		
69.000	131.107		
70.000	131.105		
71.000	131.103		
72.000	131.102		
73.000	131.100		
74.000	131.100		
75.000	131.098		
76.000	131.096		
77.000	131.095		
78.000	131.093		
79.000	131.091		
80.000	131.089		
81.000	131.088		
82.000	131.086		

Deberry Engineers, Inc.

83.000	131.085
84.000	131.083
85.000	131.081
86.000	131.080
87.000	131.079
88.000	131.077
89.000	131.075
90.000	131.073
91.000	131.072
92.000	131.070
93.000	131.069
94.000	131.068
95.000	131.066
96.000	131.065
97.000	131.063
98.000	131.062
99.000	131.061
100.000	131.059
101.000	131.058
102.000	131.056
103.000	131.055
104.000	131.053
105.000	131.052
106.000	131.051
107.000	131.049
108.000	131.048
109.000	131.047
110.000	131.046
111.000	131.044
112.000	131.043
113.000	131.042
114.000	131.041
115.000	131.039
116.000	131.038
117.000	131.037
118.000	131.036
119.000	131.035
120.000	131.033
121.000	131.032
122.000	131.031
123.000	131.031
124.000	131.028
125.000	131.028
126.000	131.027
127.000	131.026
128.000	131.025
129.000	131.024
130.000	131.022
131.000	131.021
132.000	131.020
133.000	131.019
134.000	131.019
135.000	131.017
136.000	131.016
137.000	131.015
138.000	131.014
139.000	131.013
140.000	131.012
141.000	131.011
142.000	131.011
143.000	131.010
144.000	131.009
145.000	131.008
146.000	131.008
147.000	131.006
148.000	131.005
149.000	131.004
150.000	131.003
151.000	131.002
152.000	131.002
153.000	131.001
154.000	131.000
155.000	130.999
156.000	130.998

157.000	130.997
158.000	130.997
159.000	130.996
160.000	130.995
161.000	130.994
162.000	130.993
163.000	130.993
164.000	130.992
165.000	130.991
166.000	130.990
167.000	130.989
168.000	130.989
169.000	130.988
170.000	130.987
171.000	130.987
172.000	130.986
173.000	130.985
174.000	130.984
175.000	130.984
176.000	130.983
177.000	130.982
178.000	130.982
179.000	130.981
180.000	130.980
181.000	130.979
182.000	130.979
183.000	130.978
184.000	130.978
185.000	130.977
186.000	130.976
187.000	130.976
188.000	130.975
189.000	130.974
190.000	130.974
191.000	130.973
192.000	130.972
193.000	130.972
194.000	130.971
195.000	130.971
196.000	130.970
197.000	130.969
198.000	130.968
199.000	130.968
200.000	130.968

Name: FC25y1d Node: NB2124 Type: Stage

Time (hrs)	Stage (ft)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.001	131.714
6.000	131.727
7.000	131.742
8.000	131.760
9.000	131.781
10.000	131.806
11.000	131.842
12.000	131.931
13.000	132.157
14.000	132.282
15.000	132.298
16.000	132.310
17.000	132.319
18.000	132.325
19.000	132.330
20.000	132.333
21.000	132.335
22.000	132.335
23.000	132.337

24.000	132.338
25.000	132.333
26.000	132.326
27.000	132.318
28.000	132.310
29.000	132.303
30.000	132.296
31.000	132.289
32.000	132.282
33.000	132.276
34.000	132.269
35.000	132.263
36.000	132.257
37.000	132.251
38.000	132.245
39.000	132.240
40.000	132.234
41.000	132.229
42.000	132.224
43.000	132.219
44.000	132.214
45.000	132.209
46.000	132.205
47.000	132.200
48.000	132.196
49.000	132.191
50.000	132.187
51.000	132.183
52.000	132.179
53.000	132.175
54.000	132.171
55.000	132.167
56.000	132.163
57.000	132.159
58.000	132.156
59.000	132.152
60.000	132.149
61.000	132.145
62.000	132.142
63.000	132.138
64.000	132.135
65.000	132.132
66.000	132.129
67.000	132.126
68.000	132.123
69.000	132.120
70.000	132.117
71.000	132.115
72.000	132.112
73.000	132.109
74.000	132.106
75.000	132.104
76.000	132.101
77.000	132.098
78.000	132.096
79.000	132.093
80.000	132.091
81.000	132.089
82.000	132.086
83.000	132.084
84.000	132.082
85.000	132.079
86.000	132.077
87.000	132.075
88.000	132.072
89.000	132.071
90.000	132.066
91.000	132.066
92.000	132.064
93.000	132.062
94.000	132.060
95.000	132.058
96.000	132.056
97.000	132.055

98.000	132.053
99.000	132.051
100.000	132.049
101.000	132.047
102.000	132.044
103.000	132.044
104.000	132.042
105.000	132.040
106.000	132.038
107.000	132.037
108.000	132.035
109.000	132.034
110.000	132.032
111.000	132.030
112.000	132.029
113.000	132.027
114.000	132.026
115.000	132.026
116.000	132.023
117.000	132.021
118.000	132.020
119.000	132.018
120.000	132.017
121.000	132.015
122.000	132.014
123.000	132.013
124.000	132.011
125.000	132.010
126.000	132.010
127.000	132.007
128.000	132.006
129.000	132.005
130.000	132.003
131.000	132.002
132.000	132.001
133.000	132.000
134.000	131.998
135.000	131.997
136.000	131.986
137.000	131.982
138.000	131.982
139.000	131.982
140.000	131.981
141.000	131.980
142.000	131.980
143.000	131.989
144.000	131.988
145.000	131.987
146.000	131.986
147.000	131.985
148.000	131.984
149.000	131.982
150.000	131.981
151.000	131.981
152.000	131.978
153.000	131.977
154.000	131.976
155.000	131.976
156.000	131.975
157.000	131.974
158.000	131.973
159.000	131.972
160.000	131.971
161.000	131.970
162.000	131.970
163.000	131.969
164.000	131.968
165.000	131.967
166.000	131.966
167.000	131.965
168.000	131.964
169.000	131.963
170.000	131.962
171.000	131.961

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

12.000	131.960
13.000	131.959
14.000	131.958
15.000	131.957
16.000	131.956
17.000	131.955
18.000	131.954
19.000	131.953
20.000	131.952
21.000	131.952
22.000	131.952
23.000	131.951
24.000	131.950
25.000	131.949
26.000	131.948
27.000	131.948
28.000	131.947
29.000	131.946
30.000	131.945
31.000	131.944
32.000	131.943
33.000	131.943
34.000	131.942
35.000	131.941
36.000	131.940
37.000	131.939
38.000	131.938

Name: PC25Y1d Node: NB2130 Type: Stage

Time (hrs)	Stage (Ft)
0.000	129.600
1.000	129.601
2.000	129.604
3.000	129.612
4.000	129.625
5.000	129.643
6.000	129.659
7.000	129.680
8.000	129.704
9.000	129.733
10.000	129.770
11.000	129.820
12.000	129.914
13.000	130.247
14.000	130.453
15.000	130.571
16.000	130.632
17.000	130.657
18.000	130.703
19.000	130.724
20.000	130.742
21.000	130.757
22.000	130.771
23.000	130.783
24.000	130.795
25.000	130.801
26.000	130.801
27.000	130.797
28.000	130.793
29.000	130.788
30.000	130.782
31.000	130.778
32.000	130.776
33.000	130.773
34.000	130.770
35.000	130.768
36.000	130.765
37.000	130.764
38.000	130.762

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

39.000	130.761
40.000	130.761
41.000	130.762
42.000	130.762
43.000	130.762
44.000	130.764
45.000	130.764
46.000	130.765
47.000	130.766
48.000	130.767
49.000	130.768
50.000	130.768
51.000	130.769
52.000	130.770
53.000	130.771
54.000	130.772
55.000	130.773
56.000	130.774
57.000	130.775
58.000	130.776
59.000	130.776
60.000	130.776
61.000	130.777
62.000	130.778
63.000	130.778
64.000	130.779
65.000	130.780
66.000	130.780
67.000	130.781
68.000	130.782
69.000	130.782
70.000	130.783
71.000	130.784
72.000	130.784
73.000	130.785
74.000	130.785
75.000	130.786
76.000	130.787
77.000	130.787
78.000	130.788
79.000	130.788
80.000	130.789
81.000	130.789
82.000	130.790
83.000	130.790
84.000	130.791
85.000	130.792
86.000	130.792
87.000	130.793
88.000	130.793
89.000	130.794
90.000	130.794
91.000	130.794
92.000	130.795
93.000	130.796
94.000	130.796
95.000	130.796
96.000	130.797
97.000	130.797
98.000	130.798
99.000	130.798
100.000	130.799
101.000	130.799
102.000	130.800
103.000	130.800
104.000	130.801
105.000	130.801
106.000	130.801
107.000	130.802
108.000	130.802
109.000	130.803
110.000	130.803
111.000	130.803
112.000	130.804

Deberry Engineers, Inc.



113.000	130.804
114.000	130.805
115.000	130.805
116.000	130.805
117.000	130.805
118.000	130.806
119.000	130.806
120.000	130.807
121.000	130.807
122.000	130.808
123.000	130.808
124.000	130.808
125.000	130.809
126.000	130.809
127.000	130.809
128.000	130.810
129.000	130.810
130.000	130.810
131.000	130.811
132.000	130.811
133.000	130.811
134.000	130.812
135.000	130.812
136.000	130.812
137.000	130.813
138.000	130.813
139.000	130.813
140.000	130.814
141.000	130.814
142.000	130.814
143.000	130.814
144.000	130.815
145.000	130.815
146.000	130.815
147.000	130.816
148.000	130.816
149.000	130.816
150.000	130.816
151.000	130.817
152.000	130.817
153.000	130.817
154.000	130.818
155.000	130.818
156.000	130.818
157.000	130.818
158.000	130.819
159.000	130.819
160.000	130.819
161.000	130.819
162.000	130.820
163.000	130.820
164.000	130.820
165.000	130.820
166.000	130.821
167.000	130.821
168.000	130.821
169.000	130.821
170.000	130.822
171.000	130.822
172.000	130.822
173.000	130.822
174.000	130.822
175.000	130.823
176.000	130.823
177.000	130.823
178.000	130.823
179.000	130.824
180.000	130.824
181.000	130.824
182.000	130.824
183.000	130.825
184.000	130.825
185.000	130.825
186.000	130.825

187.000	130.825
188.000	130.826
189.000	130.826
190.000	130.826
191.000	130.826
192.000	130.826
193.000	130.827
194.000	130.827
195.000	130.827
196.000	130.827
197.000	130.827
198.000	130.828
199.000	130.828
200.000	130.828

Name: PCS01d	Node: NB0043	Type: Stage
Time (hrs)	Stage (ft)	
0.000	143.090	
1.000	143.090	
2.000	143.090	
3.000	143.090	
4.000	143.090	
5.001	143.090	
6.000	143.090	
7.000	143.090	
8.000	143.090	
9.000	143.090	
10.000	143.090	
11.000	143.090	
12.000	143.247	
13.000	143.542	
14.000	143.533	
15.000	143.498	
16.000	143.460	
17.000	143.420	
18.000	143.381	
19.000	143.342	
20.000	143.266	
21.000	143.229	
22.000	143.194	
23.000	143.158	
24.000	143.111	
25.000	143.090	
26.000	143.090	
27.000	143.090	
28.000	143.090	
29.000	143.090	
30.000	143.090	
31.000	143.090	
32.000	143.090	
33.000	143.090	
34.000	143.090	
35.000	143.090	
36.000	143.090	
37.000	143.090	
38.000	143.090	
39.000	143.090	
40.000	143.090	
41.000	143.090	
42.000	143.090	
43.000	143.090	
44.000	143.090	
45.000	143.090	
46.000	143.090	
47.000	143.090	
48.000	143.090	
49.000	143.090	
50.000	143.090	
51.000	143.090	
52.000	143.090	
53.000	143.090	

54.000	143.090
55.000	143.090
56.000	143.090
57.000	143.090
58.000	143.090
59.000	143.090
60.000	143.090
61.000	143.090
62.000	143.090
63.000	143.090
64.000	143.090
65.000	143.090
66.000	143.090
67.000	143.090
68.000	143.090
69.000	143.090
70.000	143.090
71.000	143.090
72.000	143.090
73.000	143.090
74.000	143.090
75.000	143.090
76.000	143.090
77.000	143.090
78.000	143.090
79.000	143.090
80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090
84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090
102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090
111.000	143.090
112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090

128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Name: PCS0Yd1	Node: NB0050	Type: Stage
Time (hrs)	Stage (ft)	
0.000	129.420	
1.000	129.420	
2.000	129.422	
3.000	129.429	
4.000	129.438	
5.001	129.449	
6.000	129.463	
7.000	129.478	
8.000	129.495	
9.000	129.513	
10.000	129.532	
11.000	129.578	
12.000	129.628	
13.000	129.834	
14.000	129.966	
15.000	130.042	
16.000	130.085	
17.000	130.107	
18.000	130.122	
19.000	130.132	
20.000	130.140	
21.000	130.146	
22.000	130.149	
23.000	130.154	
24.000	130.156	
25.000	130.156	
26.000	130.150	
27.000	130.143	
28.000	130.135	
29.000	130.126	
30.000	130.118	
31.000	130.111	
32.000	130.103	
33.000	130.093	
34.000	130.082	
35.000	130.081	
36.000	130.074	
37.000	130.067	
38.000	130.060	
39.000	130.054	
40.000	130.047	
41.000	130.041	
42.000	130.035	
43.000	130.029	
44.000	130.023	
45.000	130.017	
46.000	130.011	
47.000	130.006	
48.000	130.000	
49.000	129.995	
50.000	129.990	
51.000	129.984	
52.000	129.979	
53.000	129.974	
54.000	129.970	
55.000	129.965	
56.000	129.960	
57.000	129.955	
58.000	129.951	
59.000	129.946	
60.000	129.942	
61.000	129.938	
62.000	129.933	
63.000	129.929	
64.000	129.925	
65.000	129.921	
66.000	129.917	
67.000	129.913	

Deberry Engineers, Inc.

68.000	129.910	
69.000	129.906	
70.000	129.902	
71.000	129.898	
72.000	129.894	
73.000	129.891	
74.000	129.888	
75.000	129.884	
76.000	129.881	
77.000	129.878	
78.000	129.875	
79.000	129.871	
80.000	129.868	
81.000	129.865	
82.000	129.862	
83.000	129.859	
84.000	129.856	
85.000	129.853	
86.000	129.850	
87.000	129.847	
88.000	129.844	
89.000	129.842	
90.000	129.839	
91.000	129.836	
92.000	129.834	
93.000	129.831	
94.000	129.828	
95.000	129.825	
96.000	129.822	
97.000	129.821	
98.000	129.818	
99.000	129.816	
100.000	129.814	
101.000	129.811	
102.000	129.809	
103.000	129.807	
104.000	129.804	
105.000	129.802	
106.000	129.800	
107.000	129.798	
108.000	129.795	
109.000	129.793	
110.000	129.791	
111.000	129.789	
112.000	129.787	
113.000	129.785	
114.000	129.783	
115.000	129.781	
116.000	129.779	
117.000	129.777	
118.000	129.775	
119.000	129.772	
120.000	129.770	
121.000	129.768	
122.000	129.766	
123.000	129.764	
124.000	129.764	
125.000	129.763	
126.000	129.761	
127.000	129.759	
128.000	129.757	
129.000	129.756	
130.000	129.754	
131.000	129.752	
132.000	129.750	
133.000	129.749	
134.000	129.748	
135.000	129.746	
136.000	129.744	
137.000	129.743	
138.000	129.741	
139.000	129.740	
140.000	129.738	
141.000	129.737	

Deberry Engineers, Inc.

142.000	129.735		
143.000	129.734		
144.000	129.733		
145.000	129.731		
146.000	129.729		
147.000	129.728		
148.000	129.727		
149.000	129.726		
150.000	129.724		
151.000	129.723		
152.000	129.722		
153.000	129.720		
154.000	129.719		
155.000	129.718		
156.000	129.716		
157.000	129.715		
158.000	129.713		
159.000	129.713		
160.000	129.711		
161.000	129.710		
162.000	129.709		
163.000	129.708		
164.000	129.707		
165.000	129.706		
166.000	129.704		
167.000	129.703		
168.000	129.702		
169.000	129.701		
170.000	129.701		
171.000	129.699		
172.000	129.698		
173.000	129.697		
174.000	129.696		
175.000	129.694		
176.000	129.693		
177.000	129.692		
178.000	129.691		
179.000	129.690		
180.000	129.689		
181.000	129.688		
182.000	129.687		
183.000	129.686		
184.000	129.685		
185.000	129.684		
186.000	129.683		
187.000	129.682		
188.000	129.681		
189.000	129.681		
190.000	129.680		
191.000	129.679		
192.000	129.678		
193.000	129.676		
194.000	129.676		
195.000	129.675		
196.000	129.674		
197.000	129.673		
198.000	129.672		
199.000	129.672		
200.000	129.671		
200.000	129.671		

Deberry Engineers, Inc.

8.000	139.200		
9.000	139.200		
10.000	139.200		
11.000	139.200		
12.000	139.200		
13.000	139.200		
14.000	139.200		
15.000	139.200		
16.000	139.200		
17.000	139.200		
18.000	139.200		
19.000	139.200		
20.000	139.200		
21.000	139.200		
22.000	139.200		
23.000	139.200		
24.000	139.200		
25.000	139.200		
26.000	139.200		
27.000	139.200		
28.000	139.200		
29.000	139.200		
30.000	139.200		
31.000	139.200		
32.000	139.200		
33.000	139.200		
34.000	139.200		
35.000	139.200		
36.000	139.200		
37.000	139.200		
38.000	139.200		
39.000	139.200		
40.000	139.200		
41.000	139.200		
42.000	139.200		
43.000	139.200		
44.000	139.200		
45.000	139.200		
46.000	139.200		
47.000	139.200		
48.000	139.200		
49.000	139.200		
50.000	139.200		
51.000	139.200		
52.000	139.200		
53.000	139.200		
54.000	139.200		
55.000	139.200		
56.000	139.200		
57.000	139.200		
58.000	139.200		
59.000	139.200		
60.000	139.200		
61.000	139.200		
62.000	139.200		
63.000	139.200		
64.000	139.200		
65.000	139.200		
66.000	139.200		
67.000	139.200		
68.000	139.200		
69.000	139.200		
70.000	139.200		
71.000	139.200		
72.000	139.200		
73.000	139.200		
74.000	139.200		
75.000	139.200		
76.000	139.200		
77.000	139.200		
78.000	139.200		
79.000	139.200		
80.000	139.200		
81.000	139.200		

Deberry Engineers, Inc.

82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200

156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PCS0y1d Node: NB2112 Type: Stage

Time (hrs)	Stage (Ft)
0.000	130.100
1.000	130.100
2.000	130.102
3.000	130.106
4.000	130.112
5.001	130.120
6.000	130.132
7.000	130.148
8.000	130.168
9.000	130.195
10.000	130.233
11.000	130.289
12.000	130.370
13.000	130.470
14.000	130.941
15.000	131.062
16.000	131.140
17.000	131.195
18.000	131.238
19.000	131.272
20.000	131.297
21.000	131.315

22.000	131.324
23.000	131.331
24.000	131.334
25.000	131.332
26.000	131.324
27.000	131.324
28.000	131.305
29.000	131.297
30.000	131.288
31.000	131.281
32.000	131.273
33.000	131.266
34.000	131.260
35.000	131.254
36.000	131.248
37.000	131.242
38.000	131.236
39.000	131.231
40.000	131.226
41.000	131.221
42.000	131.217
43.000	131.212
44.000	131.208
45.000	131.204
46.000	131.200
47.000	131.196
48.000	131.193
49.000	131.189
50.000	131.184
51.000	131.182
52.000	131.179
53.000	131.176
54.000	131.172
55.000	131.169
56.000	131.166
57.000	131.163
58.000	131.161
59.000	131.158
60.000	131.155
61.000	131.152
62.000	131.148
63.000	131.147
64.000	131.145
65.000	131.142
66.000	131.140
67.000	131.138
68.000	131.135
69.000	131.133
70.000	131.131
71.000	131.128
72.000	131.126
73.000	131.125
74.000	131.124
75.000	131.120
76.000	131.118
77.000	131.116
78.000	131.114
79.000	131.112
80.000	131.110
81.000	131.108
82.000	131.106
83.000	131.104
84.000	131.102
85.000	131.101
86.000	131.099
87.000	131.097
88.000	131.095
89.000	131.094
90.000	131.092
91.000	131.090
92.000	131.088
93.000	131.087
94.000	131.085
95.000	131.084

96.000	131.082
97.000	131.080
98.000	131.079
99.000	131.077
100.000	131.076
101.000	131.076
102.000	131.076
103.000	131.073
104.000	131.071
105.000	131.070
106.000	131.068
107.000	131.067
108.000	131.065
109.000	131.064
110.000	131.062
111.000	131.061
112.000	131.059
113.000	131.057
114.000	131.057
115.000	131.055
116.000	131.054
117.000	131.053
118.000	131.051
119.000	131.050
120.000	131.049
121.000	131.047
122.000	131.046
123.000	131.045
124.000	131.044
125.000	131.044
126.000	131.041
127.000	131.039
128.000	131.037
129.000	131.036
130.000	131.035
131.000	131.034
132.000	131.033
133.000	131.032
134.000	131.030
135.000	131.028
136.000	131.026
137.000	131.027
138.000	131.026
139.000	131.025
140.000	131.024
141.000	131.023
142.000	131.022
143.000	131.021
144.000	131.020
145.000	131.019
146.000	131.018
147.000	131.017
148.000	131.016
149.000	131.015
150.000	131.014
151.000	131.013
152.000	131.012
153.000	131.012
154.000	131.011
155.000	131.010
156.000	131.009
157.000	131.008
158.000	131.007
159.000	131.006
160.000	131.004
161.000	131.002
162.000	131.003
163.000	131.002
164.000	131.001
165.000	131.000
166.000	130.999
167.000	130.998
168.000	130.998
169.000	130.997

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

170.000	130.996
171.000	130.995
172.000	130.994
173.000	130.994
174.000	130.993
175.000	130.992
176.000	130.991
177.000	130.990
178.000	130.989
179.000	130.989
180.000	130.988
181.000	130.987
182.000	130.987
183.000	130.986
184.000	130.985
185.000	130.985
186.000	130.984
187.000	130.983
188.000	130.982
189.000	130.982
190.000	130.981
191.000	130.980
192.000	130.980
193.000	130.979
194.000	130.978
195.000	130.978
196.000	130.977
197.000	130.976
198.000	130.976
199.000	130.975
200.000	130.974

Name: P50y1d Node: NB214 Type: Stage

Time (hrs)	Stage (ft)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.001	131.721
6.000	131.736
7.000	131.753
8.000	131.773
9.000	131.797
10.000	131.827
11.000	131.868
12.000	131.921
13.000	132.000
14.000	132.209
15.000	132.364
16.000	132.381
17.000	132.392
18.000	132.401
19.000	132.406
20.000	132.410
21.000	132.412
22.000	132.413
23.000	132.414
24.000	132.415
25.000	132.416
26.000	132.416
27.000	132.385
28.000	132.376
29.000	132.366
30.000	132.357
31.000	132.348
32.000	132.340
33.000	132.332
34.000	132.324
35.000	132.316

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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36.000	132.308
37.000	132.301
38.000	132.294
39.000	132.287
40.000	132.280
41.000	132.272
42.000	132.268
43.000	132.261
44.000	132.255
45.000	132.250
46.000	132.244
47.000	132.238
48.000	132.233
49.000	132.228
50.000	132.223
51.000	132.218
52.000	132.213
53.000	132.208
54.000	132.203
55.000	132.199
56.000	132.194
57.000	132.190
58.000	132.186
59.000	132.182
60.000	132.178
61.000	132.174
62.000	132.170
63.000	132.166
64.000	132.162
65.000	132.158
66.000	132.155
67.000	132.151
68.000	132.148
69.000	132.144
70.000	132.141
71.000	132.138
72.000	132.135
73.000	132.132
74.000	132.128
75.000	132.125
76.000	132.122
77.000	132.120
78.000	132.117
79.000	132.114
80.000	132.111
81.000	132.108
82.000	132.106
83.000	132.103
84.000	132.100
85.000	132.098
86.000	132.095
87.000	132.092
88.000	132.090
89.000	132.088
90.000	132.086
91.000	132.083
92.000	132.081
93.000	132.079
94.000	132.076
95.000	132.074
96.000	132.072
97.000	132.070
98.000	132.068
99.000	132.066
100.000	132.064
101.000	132.062
102.000	132.060
103.000	132.058
104.000	132.056
105.000	132.054
106.000	132.052
107.000	132.050
108.000	132.049
109.000	132.047

Deberry Engineers, Inc.

110.000	132.045
111.000	132.043
112.000	132.041
113.000	132.040
114.000	132.038
115.000	132.036
116.000	132.035
117.000	132.033
118.000	132.031
119.000	132.030
120.000	132.028
121.000	132.027
122.000	132.025
123.000	132.024
124.000	132.022
125.000	132.021
126.000	132.019
127.000	132.018
128.000	132.016
129.000	132.015
130.000	132.014
131.000	132.012
132.000	132.011
133.000	132.010
134.000	132.008
135.000	132.007
136.000	132.006
137.000	132.004
138.000	132.003
139.000	132.002
140.000	132.001
141.000	131.999
142.000	131.998
143.000	131.997
144.000	131.996
145.000	131.994
146.000	131.993
147.000	131.992
148.000	131.991
149.000	131.989
150.000	131.988
151.000	131.987
152.000	131.985
153.000	131.984
154.000	131.983
155.000	131.982
156.000	131.981
157.000	131.980
158.000	131.979
159.000	131.978
160.000	131.976
161.000	131.975
162.000	131.974
163.000	131.973
164.000	131.972
165.000	131.971
166.000	131.970
167.000	131.969
168.000	131.968
169.000	131.967
170.000	131.967
171.000	131.967
172.000	131.967
173.000	131.966
174.000	131.965
175.000	131.964
176.000	131.963
177.000	131.962
178.000	131.961
179.000	131.960
180.000	131.959
181.000	131.959
182.000	131.958
183.000	131.957

184.000	131.956
185.000	131.955
186.000	131.955
187.000	131.954
188.000	131.953
189.000	131.952
190.000	131.951
191.000	131.951
192.000	131.950
193.000	131.949
194.000	131.948
195.000	131.947
196.000	131.947
197.000	131.946
198.000	131.945
199.000	131.944
200.000	131.944

Name: PC50Y1d	Node: NB2130	Type: Stage
Time (hrs)	Stage (Ft)	
0.000	129.600	
1.000	129.601	
2.000	129.602	
3.000	129.616	
4.000	129.618	
5.001	129.648	
6.000	129.670	
7.000	129.694	
8.000	129.722	
9.000	129.756	
10.000	129.800	
11.000	129.857	
12.000	129.965	
13.000	130.345	
14.000	130.580	
15.000	130.714	
16.000	130.834	
17.000	130.865	
18.000	130.890	
19.000	130.912	
20.000	130.931	
21.000	130.948	
22.000	130.964	
23.000	130.978	
24.000	130.987	
25.000	130.987	
26.000	130.987	
27.000	130.986	
28.000	130.986	
29.000	130.975	
30.000	130.971	
31.000	130.967	
32.000	130.964	
33.000	130.961	
34.000	130.958	
35.000	130.955	
36.000	130.953	
37.000	130.951	
38.000	130.950	
39.000	130.949	
40.000	130.948	
41.000	130.949	
42.000	130.949	
43.000	130.950	
44.000	130.951	
45.000	130.952	
46.000	130.952	
47.000	130.953	
48.000	130.954	
49.000	130.955	



50.000	130.956
51.000	130.956
52.000	130.957
53.000	130.958
54.000	130.958
55.000	130.960
56.000	130.961
57.000	130.962
58.000	130.963
59.000	130.963
60.000	130.964
61.000	130.965
62.000	130.965
63.000	130.965
64.000	130.966
65.000	130.967
66.000	130.967
67.000	130.968
68.000	130.968
69.000	130.969
70.000	130.970
71.000	130.970
72.000	130.971
73.000	130.972
74.000	130.972
75.000	130.973
76.000	130.973
77.000	130.974
78.000	130.974
79.000	130.975
80.000	130.976
81.000	130.976
82.000	130.977
83.000	130.977
84.000	130.978
85.000	130.978
86.000	130.979
87.000	130.979
88.000	130.980
89.000	130.980
90.000	130.981
91.000	130.981
92.000	130.982
93.000	130.982
94.000	130.983
95.000	130.983
96.000	130.984
97.000	130.984
98.000	130.985
99.000	130.985
100.000	130.985
101.000	130.986
102.000	130.986
103.000	130.987
104.000	130.987
105.000	130.988
106.000	130.988
107.000	130.988
108.000	130.989
109.000	130.989
110.000	130.990
111.000	130.990
112.000	130.990
113.000	130.991
114.000	130.991
115.000	130.991
116.000	130.992
117.000	130.992
118.000	130.993
119.000	130.993
120.000	130.994
121.000	130.994
122.000	130.994
123.000	130.994

Deberry Engineers, Inc.

124.000	130.995
125.000	130.995
126.000	130.995
127.000	130.996
128.000	130.996
129.000	130.996
130.000	130.997
131.000	130.997
132.000	130.997
133.000	130.998
134.000	130.998
135.000	130.998
136.000	130.999
137.000	130.999
138.000	130.999
139.000	131.000
140.000	131.000
141.000	131.000
142.000	131.000
143.000	131.001
144.000	131.001
145.000	131.001
146.000	131.002
147.000	131.002
148.000	131.002
149.000	131.002
150.000	131.003
151.000	131.003
152.000	131.003
153.000	131.004
154.000	131.004
155.000	131.004
156.000	131.004
157.000	131.005
158.000	131.005
159.000	131.005
160.000	131.005
161.000	131.006
162.000	131.006
163.000	131.006
164.000	131.007
165.000	131.007
166.000	131.007
167.000	131.007
168.000	131.007
169.000	131.008
170.000	131.008
171.000	131.008
172.000	131.008
173.000	131.008
174.000	131.009
175.000	131.009
176.000	131.009
177.000	131.009
178.000	131.010
179.000	131.010
180.000	131.010
181.000	131.010
182.000	131.010
183.000	131.011
184.000	131.011
185.000	131.011
186.000	131.011
187.000	131.012
188.000	131.012
189.000	131.012
190.000	131.012
191.000	131.012
192.000	131.012
193.000	131.013
194.000	131.013
195.000	131.013
196.000	131.013
197.000	131.013

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

Time (hrs)	Stage (Ft)	Node: NB0043	Type: Stage
0.000	143.090		
1.000	143.090		
2.000	143.090		
3.000	143.090		
4.000	143.090		
5.000	143.090		
6.000	143.090		
7.000	143.090		
8.000	143.090		
9.000	143.090		
10.000	143.090		
11.000	143.090		
12.000	143.090		
13.000	143.090		
14.001	143.090		
15.001	143.090		
16.000	143.090		
17.000	143.090		
18.000	143.090		
19.000	143.090		
20.000	143.090		
21.000	143.090		
22.000	143.090		
23.000	143.090		
24.001	143.090		
25.000	143.090		
26.000	143.090		
27.000	143.090		
28.000	143.090		
29.000	143.090		
30.000	143.090		
31.000	143.090		
32.000	143.090		
33.000	143.090		
34.001	143.090		
35.000	143.090		
36.000	143.090		
37.001	143.090		
38.000	143.090		
39.000	143.090		
40.000	143.090		
41.000	143.090		
42.000	143.090		
43.000	143.090		
44.000	143.090		
45.000	143.090		
46.000	143.090		
47.000	143.090		
48.000	143.090		
49.000	143.090		
50.000	143.090		
51.000	143.090		
52.000	143.090		
53.000	143.090		
54.000	143.090		
55.000	143.090		
56.000	143.103		
57.000	143.132		
58.000	143.193		
59.000	143.308		
60.000	143.523		
61.000	143.698		
62.000	143.770		
63.000	143.791		

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

64.000	143.813		
65.000	143.823		
66.000	143.820		
67.000	143.809		
68.000	143.823		
69.000	143.772		
70.000	143.744		
71.000	143.715		
72.000	143.686		
73.000	143.663		
74.000	143.646		
75.000	143.632		
76.000	143.618		
77.000	143.605		
78.000	143.592		
79.000	143.580		
80.000	143.567		
81.000	143.554		
82.000	143.546		
83.000	143.534		
84.000	143.525		
85.000	143.515		
86.000	143.506		
87.000	143.496		
88.000	143.488		
89.000	143.479		
90.000	143.471		
91.000	143.462		
92.000	143.453		
93.000	143.448		
94.000	143.441		
95.000	143.434		
96.000	143.426		
97.000	143.409		
98.000	143.386		
99.000	143.362		
100.000	143.339		
101.000	143.317		
102.000	143.297		
103.000	143.276		
104.000	143.254		
105.000	143.232		
106.000	143.213		
107.000	143.195		
108.000	143.176		
109.000	143.156		
110.000	143.136		
111.000	143.117		
112.000	143.098		
113.000	143.090		
114.000	143.090		
115.000	143.090		
116.000	143.090		
117.000	143.090		
118.000	143.090		
119.000	143.090		
120.000	143.090		
121.000	143.090		
122.000	143.090		
123.000	143.090		
124.000	143.090		
125.000	143.090		
126.000	143.090		
127.000	143.090		
128.000	143.090		
129.000	143.090		
130.000	143.090		
131.000	143.090		
132.000	143.090		
133.000	143.090		
134.000	143.090		
135.000	143.090		
136.000	143.090		
137.000	143.090		

Deberry Engineers, Inc.

138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090
201.000	143.090
202.000	143.090
203.000	143.090
204.000	143.090
205.000	143.090
206.000	143.090
207.000	143.090
208.000	143.090
209.000	143.090
210.000	143.090
211.000	143.090

212.000	143.090
213.000	143.090
214.000	143.090
215.000	143.090
216.000	143.090
217.000	143.090
218.000	143.090
219.000	143.090
220.000	143.090
221.000	143.090
222.000	143.090
223.000	143.090
224.000	143.090
225.000	143.090
226.000	143.090
227.000	143.090
228.000	143.090
229.000	143.090
230.000	143.090
231.000	143.090
232.000	143.090
233.000	143.090
234.000	143.090
235.000	143.090
236.000	143.090
237.000	143.090
238.000	143.090
239.000	143.090
240.000	143.090
241.000	143.090
242.000	143.090
243.000	143.090
244.000	143.090
245.000	143.090
246.000	143.090
247.000	143.090
248.000	143.090
249.000	143.090
250.000	143.090
251.000	143.090
252.000	143.090
253.000	143.090
254.000	143.090
255.000	143.090
256.000	143.090
257.000	143.090
258.000	143.090
259.000	143.090
260.000	143.090
261.000	143.090
262.000	143.090
263.000	143.090
264.000	143.090
265.000	143.090
266.000	143.090
267.000	143.090
268.000	143.090
269.000	143.090
270.000	143.090
271.000	143.090
272.000	143.090
273.000	143.090
274.000	143.090
275.000	143.090
276.000	143.090
277.000	143.090
278.000	143.090
279.000	143.090
280.000	143.090
281.000	143.090
282.000	143.090
283.000	143.090
284.000	143.090
285.000	143.090

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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286.000	143.090
287.000	143.090
288.000	143.090
289.000	143.090
290.000	143.090
291.000	143.090
292.000	143.090
293.000	143.090
294.000	143.090
295.000	143.090
296.000	143.090
297.000	143.090
298.000	143.090
299.000	143.090
300.000	143.090

Name: PCL00Y5d Node: NB0050 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.420
3.000	129.421
4.000	129.424
5.001	129.428
6.000	129.432
7.000	129.435
8.000	129.441
9.000	129.446
10.000	129.455
11.000	129.460
12.000	129.460
13.000	129.465
14.001	129.470
15.001	129.474
16.000	129.479
17.000	129.484
18.000	129.489
19.000	129.493
20.000	129.499
21.000	129.504
22.000	129.509
23.000	129.514
24.001	129.519
25.000	129.526
26.000	129.538
27.000	129.552
28.000	129.567
29.000	129.582
30.000	129.595
31.000	129.609
32.000	129.626
33.000	129.641
34.001	129.655
35.000	129.670
36.000	129.684
37.001	129.698
38.000	129.712
39.000	129.726
40.000	129.740
41.000	129.753
42.000	129.767
43.000	129.780
44.000	129.793
45.000	129.806
46.000	129.819
47.000	129.831
48.000	129.844
49.000	129.854
50.000	129.857
51.000	129.858
52.000	129.861

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
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 Complete Input Report

53.000	129.866
54.000	129.876
55.000	129.889
56.000	129.906
57.000	129.924
58.000	129.973
59.000	130.035
60.000	130.151
61.000	130.313
62.000	130.445
63.000	130.532
64.000	130.583
65.000	130.612
66.000	130.628
67.000	130.636
68.000	130.640
69.000	130.643
70.000	130.632
71.000	130.624
72.000	130.614
73.000	130.603
74.000	130.595
75.000	130.588
76.000	130.583
77.000	130.578
78.000	130.573
79.000	130.568
80.000	130.563
81.000	130.558
82.000	130.553
83.000	130.548
84.000	130.543
85.000	130.538
86.000	130.534
87.000	130.529
88.000	130.525
89.000	130.520
90.000	130.516
91.000	130.512
92.000	130.507
93.000	130.502
94.000	130.499
95.000	130.495
96.000	130.491
97.000	130.486
98.000	130.476
99.000	130.466
100.000	130.454
101.000	130.442
102.000	130.430
103.000	130.419
104.000	130.406
105.000	130.392
106.000	130.382
107.000	130.373
108.000	130.362
109.000	130.351
110.000	130.340
111.000	130.329
112.000	130.318
113.000	130.307
114.000	130.297
115.000	130.287
116.000	130.277
117.000	130.266
118.000	130.258
119.000	130.249
120.000	130.240
121.000	130.231
122.000	130.222
123.000	130.213
124.000	130.204
125.000	130.195
126.000	130.186

Deberry Engineers, Inc.

127.000	130.177
128.000	130.169
129.000	130.161
130.000	130.153
131.000	130.145
132.000	130.138
133.000	130.131
134.000	130.124
135.000	130.117
136.000	130.110
137.000	130.103
138.000	130.097
139.000	130.091
140.000	130.085
141.000	130.078
142.000	130.072
143.000	130.067
144.000	130.061
145.000	130.056
146.000	130.050
147.000	130.045
148.000	130.040
149.000	130.035
150.000	130.030
151.000	130.025
152.000	130.020
153.000	130.016
154.000	130.011
155.000	130.007
156.000	130.002
157.000	129.998
158.000	129.994
159.000	129.990
160.000	129.986
161.000	129.982
162.000	129.978
163.000	129.974
164.000	129.971
165.000	129.967
166.000	129.963
167.000	129.959
168.000	129.956
169.000	129.953
170.000	129.950
171.000	129.946
172.000	129.943
173.000	129.940
174.000	129.937
175.000	129.934
176.000	129.931
177.000	129.928
178.000	129.925
179.000	129.922
180.000	129.919
181.000	129.917
182.000	129.914
183.000	129.911
184.000	129.909
185.000	129.906
186.000	129.903
187.000	129.901
188.000	128.898
189.000	128.896
190.000	128.894
191.000	128.891
192.000	128.889
193.000	128.887
194.000	128.885
195.000	128.882
196.000	128.880
197.000	128.878
198.000	128.876
199.000	128.874
200.000	128.872

201.000	129.870
202.000	129.868
203.000	129.866
204.000	129.864
205.000	129.862
206.000	129.860
207.000	129.859
208.000	129.857
209.000	129.855
210.000	129.853
211.000	129.852
212.000	129.850
213.000	129.848
214.000	129.847
215.000	129.845
216.000	129.843
217.000	129.842
218.000	129.840
219.000	129.839
220.000	129.837
221.000	129.836
222.000	129.834
223.000	129.833
224.000	129.831
225.000	129.830
226.000	129.828
227.000	129.827
228.000	129.826
229.000	129.824
230.000	129.823
231.000	129.822
232.000	129.820
233.000	129.819
234.000	129.818
235.000	129.817
236.000	129.815
237.000	129.814
238.000	129.813
239.000	129.812
240.000	129.811
241.000	129.810
242.000	129.808
243.000	129.807
244.000	129.806
245.000	129.805
246.000	129.804
247.000	129.803
248.000	129.802
249.000	129.801
250.000	129.800
251.000	129.799
252.000	129.798
253.000	129.797
254.000	129.796
255.000	129.795
256.000	129.794
257.000	129.793
258.000	129.792
259.000	129.791
260.000	129.790
261.000	129.789
262.000	128.789
263.000	128.788
264.000	128.786
265.000	128.786
266.000	128.785
267.000	128.784
268.000	128.783
269.000	128.783
270.000	128.782
271.000	129.781
272.000	129.780
273.000	129.779
274.000	129.779

275.000	129.778
276.000	129.777
277.000	129.776
278.000	129.775
279.000	129.774
280.000	129.773
281.000	129.772
282.000	129.771
283.000	129.770
284.000	129.769
285.000	129.768
286.000	129.767
287.000	129.766
288.000	129.765
289.000	129.764
290.000	129.763
291.000	129.762
292.000	129.762
293.000	129.762
294.000	129.762
295.000	129.762
296.000	129.762
297.000	129.762
298.000	129.762
299.000	129.762
300.000	129.762

Name: FCI0095d

Node: NB0102

Type: Stage

Time (hrs) ----- Stage (ft)

0.000	139.200
1.000	139.200
2.000	139.200
3.000	139.200
4.000	139.200
5.001	139.200
6.000	139.200
7.000	139.200
8.000	139.200
9.000	139.200
10.000	139.200
11.000	139.200
12.000	139.200
13.000	139.200
14.001	139.200
15.001	139.200
16.000	139.200
17.000	139.200
18.000	139.200
19.000	139.200
20.000	139.200
21.000	139.200
22.000	139.200
23.000	139.200
24.001	139.200
25.000	139.200
26.000	139.200
27.000	139.200
28.000	139.200
29.000	139.200
30.000	139.200
31.000	139.200
32.000	139.200
33.000	139.200
34.001	139.200
35.000	139.200
36.000	139.200
37.001	139.200
38.000	139.200
39.000	139.200
40.000	139.200
41.000	139.200

42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.899
61.000	140.590
62.000	140.813
63.000	140.885
64.000	140.899
65.000	140.887
66.000	140.859
67.000	140.820
68.000	140.773
69.000	140.718
70.000	140.654
71.000	140.585
72.000	140.515
73.000	140.448
74.000	140.380
75.000	140.310
76.000	140.239
77.000	139.968
78.000	139.841
79.000	139.716
80.000	139.592
81.000	139.469
82.000	139.345
83.000	139.220
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200

116,000	139,200
117,000	139,200
118,000	139,200
119,000	139,200
120,000	139,200
121,000	139,200
122,000	139,200
123,000	139,200
124,000	139,200
125,000	139,200
126,000	139,200
127,000	139,200
128,000	139,200
129,000	139,200
130,000	139,200
131,000	139,200
132,000	139,200
133,000	139,200
134,000	139,200
135,000	139,200
136,000	139,200
137,000	139,200
138,000	139,200
139,000	139,200
140,000	139,200
141,000	139,200
142,000	139,200
143,000	139,200
144,000	139,200
145,000	139,200
146,000	139,200
147,000	139,200
148,000	139,200
149,000	139,200
150,000	139,200
151,000	139,200
152,000	139,200
153,000	139,200
154,000	139,200
155,000	139,200
156,000	139,200
157,000	139,200
158,000	139,200
159,000	139,200
160,000	139,200
161,000	139,200
162,000	139,200
163,000	139,200
164,000	139,200
165,000	139,200
166,000	139,200
167,000	139,200
168,000	139,200
169,000	139,200
170,000	139,200
171,000	139,200
172,000	139,200
173,000	139,200
174,000	139,200
175,000	139,200
176,000	139,200
177,000	139,200
178,000	139,200
179,000	139,200
180,000	139,200
181,000	139,200
182,000	139,200
183,000	139,200
184,000	139,200
185,000	139,200
186,000	139,200
187,000	139,200
188,000	139,200
189,000	139,200

190,000	139,200
191,000	139,200
192,000	139,200
193,000	139,200
194,000	139,200
195,000	139,200
196,000	139,200
197,000	139,200
198,000	139,200
199,000	139,200
200,000	139,200
201,000	139,200
202,000	139,200
203,000	139,200
204,000	139,200
205,000	139,200
207,000	139,200
208,000	139,200
209,000	139,200
210,000	139,200
211,000	139,200
212,000	139,200
213,000	139,200
214,000	139,200
215,000	139,200
216,000	139,200
217,000	139,200
219,000	139,200
220,000	139,200
221,000	139,200
222,000	139,200
223,000	139,200
224,000	139,200
225,000	139,200
226,000	139,200
227,000	139,200
228,000	139,200
229,000	139,200
231,000	139,200
232,000	139,200
233,000	139,200
234,000	139,200
235,000	139,200
236,000	139,200
237,000	139,200
238,000	139,200
239,000	139,200
240,000	139,200
241,000	139,200
243,000	139,200
244,000	139,200
245,000	139,200
246,000	139,200
247,000	139,200
248,000	139,200
249,000	139,200
250,000	139,200
251,000	139,200
252,000	139,200
253,000	139,200
255,000	139,200
256,000	139,200
257,000	139,200
258,000	139,200
259,000	139,200
260,000	139,200
261,000	139,200
262,000	139,200
263,000	139,200

264.000	139.200		
265.000	139.200		
266.000	139.200		
267.000	139.200		
268.000	139.200		
269.000	139.200		
270.000	139.200		
271.000	139.200		
272.000	139.200		
273.000	139.200		
274.000	139.200		
275.000	139.200		
276.000	139.200		
277.000	139.200		
278.000	139.200		
279.000	139.200		
280.000	139.200		
281.000	139.200		
282.000	139.200		
283.000	139.200		
284.000	139.200		
285.000	139.200		
286.000	139.200		
287.000	139.200		
288.000	139.200		
289.000	139.200		
290.000	139.200		
291.000	139.200		
292.000	139.200		
293.000	139.200		
294.000	139.200		
295.000	139.200		
296.000	139.200		
297.000	139.200		
298.000	139.200		
299.000	139.200		
300.000	139.200		

Name: FCI005d

Node: NB2112

Type: Stage

Time (hrs)

Stage (ft)

0.000	130.100
1.000	130.100
2.000	130.100
3.000	130.101
4.000	130.103
5.001	130.105
6.000	130.108
7.000	130.110
8.000	130.112
9.000	130.113
10.000	130.113
11.000	130.123
12.000	130.128
13.000	130.133
14.001	130.139
15.001	130.145
16.000	130.151
17.000	130.158
18.000	130.166
19.000	130.174
20.000	130.181
21.000	130.184
22.000	130.200
23.000	130.209
24.001	130.219
25.000	130.232
26.000	130.251
27.000	130.274
28.000	130.297
29.000	130.320
30.000	130.343

31.000	130.366
32.000	130.389
33.000	130.412
34.001	130.435
35.000	130.458
36.000	130.482
37.001	130.506
38.000	130.530
39.000	130.555
40.000	130.579
41.000	130.603
42.000	130.628
43.000	130.652
44.000	130.677
45.000	130.702
46.000	130.727
47.000	130.752
48.000	130.776
49.000	130.799
50.000	130.810
51.000	130.820
52.000	130.832
53.000	130.849
54.000	130.872
55.000	130.902
56.000	130.940
57.000	130.992
58.000	131.048
59.000	131.108
60.000	131.140
61.000	131.163
62.000	131.176
63.000	131.180
64.000	131.180
65.000	131.178
66.000	131.176
67.000	131.175
68.000	131.173
69.000	131.172
70.000	131.172
71.000	131.172
72.000	131.165
73.000	131.163
74.000	131.161
75.000	131.160
76.000	131.159
77.000	131.158
78.000	131.157
79.000	131.156
80.000	131.156
81.000	131.155
82.000	131.154
83.000	131.154
84.000	131.154
85.000	131.153
86.000	131.153
87.000	131.153
88.000	131.152
89.000	131.152
90.000	131.152
91.000	131.152
92.000	131.152
93.000	131.151
94.000	131.151
95.000	131.151
96.000	131.151
97.000	131.151
98.000	131.150
99.000	131.149
100.000	131.148
101.000	131.147
102.000	131.145
103.000	131.145
104.000	131.144



105,000	131.431
106,000	131.423
107,000	131.415
108,000	131.408
109,000	131.401
110,000	131.395
111,000	131.389
112,000	131.383
113,000	131.378
114,000	131.374
115,000	131.369
116,000	131.365
117,000	131.360
118,000	131.357
119,000	131.354
120,000	131.352
121,000	131.350
122,000	131.348
123,000	131.346
124,000	131.344
125,000	131.343
126,000	131.342
127,000	131.341
128,000	131.340
129,000	131.339
130,000	131.338
131,000	131.337
132,000	131.336
133,000	131.335
134,000	131.334
135,000	131.333
136,000	131.332
137,000	131.331
138,000	131.330
139,000	131.329
140,000	131.328
141,000	131.327
142,000	131.326
143,000	131.325
144,000	131.324
145,000	131.323
146,000	131.322
147,000	131.321
148,000	131.320
149,000	131.319
150,000	131.318
151,000	131.317
152,000	131.316
153,000	131.315
154,000	131.314
155,000	131.313
156,000	131.312
157,000	131.311
158,000	131.310
159,000	131.309
160,000	131.308
161,000	131.307
162,000	131.306
163,000	131.305
164,000	131.304
165,000	131.303
166,000	131.302
167,000	131.301
168,000	131.300
169,000	131.299
170,000	131.298
171,000	131.297
172,000	131.272
173,000	131.270
174,000	131.269
175,000	131.267
176,000	131.266
177,000	131.264
178,000	131.263

179,000	132.256
180,000	132.230
181,000	132.204
182,000	132.179
183,000	132.153
184,000	132.128
185,000	132.105
186,000	132.080
187,000	132.055
188,000	132.030
189,000	132.004
190,000	131.980
191,000	131.955
192,000	131.930
193,000	131.906
194,000	131.881
195,000	131.858
196,000	131.830
197,000	131.804
198,000	131.777
199,000	131.751
200,000	131.725
201,000	131.699
202,000	131.673
203,000	131.648
204,000	131.623
205,000	131.599
206,000	131.573
207,000	131.548
208,000	131.521
209,000	131.490
210,000	131.472
211,000	131.456
212,000	131.456
213,000	131.441
214,000	131.427
215,000	131.414
216,000	131.403
217,000	131.393
218,000	131.382
219,000	131.372
220,000	131.367
221,000	131.359
222,000	131.352
223,000	131.346
224,000	131.340
225,000	131.335
226,000	131.330
227,000	131.325
228,000	131.320
229,000	131.316
230,000	131.312
231,000	131.308
232,000	131.305
233,000	131.302
234,000	131.299
235,000	131.296
236,000	131.293
237,000	131.290
238,000	131.288
239,000	131.286
240,000	131.283
241,000	131.281
242,000	131.279
243,000	131.277
244,000	131.275
245,000	131.274
246,000	131.272
247,000	131.270
248,000	131.269
249,000	131.267
250,000	131.266
251,000	131.264
252,000	131.263

253.000	131.262
254.000	131.261
255.000	131.259
256.000	131.238
257.000	131.237
258.000	131.256
259.000	131.255
260.000	131.254
261.000	131.253
262.000	131.252
263.000	131.251
264.000	131.250
265.000	131.249
266.000	131.248
267.000	131.247
268.000	131.246
270.000	131.245
271.000	131.244
272.000	131.243
273.000	131.243
274.000	131.242
275.000	131.241
276.000	131.241
277.000	131.240
278.000	131.239
279.000	131.238
280.000	131.238
281.000	131.237
282.000	131.237
283.000	131.236
284.000	131.236
285.000	131.236
286.000	131.235
287.000	131.235
288.000	131.234
289.000	131.233
290.000	131.233
291.000	131.232
292.000	131.232
293.000	131.231
294.000	131.231
295.000	131.230
296.000	131.230
297.000	131.229
298.000	131.229
299.000	131.228
300.000	131.228

Name: Pcl00Ys4 Node: NB2124 Type: Stage

Time(hrs)	Stage(Fe)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.001	131.710
6.000	131.710
7.000	131.710
8.000	131.710
9.000	131.710
10.000	131.715
11.000	131.720
12.000	131.726
13.000	131.731
14.001	131.736
15.000	131.740
16.000	131.746
17.000	131.751
18.000	131.756
19.000	131.762

20.000	131.767
21.000	131.772
22.000	131.777
23.000	131.783
24.000	131.788
25.000	131.793
26.000	131.815
27.000	131.831
28.000	131.847
29.000	131.862
30.000	131.878
31.000	131.894
32.000	131.910
33.000	131.925
34.001	131.940
35.000	131.956
36.000	131.971
37.001	131.985
38.000	132.000
39.000	132.015
40.000	132.029
41.000	132.043
42.000	132.057
43.000	132.071
44.000	132.085
45.000	132.098
46.000	132.111
47.000	132.124
48.000	132.137
49.000	132.142
50.000	132.141
51.000	132.141
52.000	132.145
53.000	132.153
54.000	132.165
55.000	132.181
56.000	132.204
57.000	132.237
58.000	132.286
59.000	132.317
60.000	132.321
61.000	132.701
62.000	132.788
63.000	132.823
64.000	132.833
65.000	132.829
66.000	132.817
67.000	132.801
68.000	132.782
69.000	132.761
70.000	132.737
71.000	132.713
72.000	132.688
73.000	132.671
74.000	132.660
75.000	132.670
76.000	132.681
77.000	132.692
78.000	132.701
79.000	132.711
80.000	132.719
81.000	132.727
82.000	132.735
83.000	132.743
84.000	132.749
85.000	132.753
86.000	132.759
87.000	132.764
88.000	132.770
89.000	132.774
90.000	132.779
91.000	132.783
92.000	132.787
93.000	132.790

94.000	132.794
95.000	132.796
96.000	132.797
97.000	132.785
98.000	132.787
99.000	132.787
100.000	132.787
101.000	132.793
102.000	132.675
103.000	132.657
104.000	132.639
105.000	132.622
106.000	132.606
107.000	132.593
108.000	132.580
109.000	132.566
110.000	132.549
111.000	132.528
112.000	132.519
113.000	132.510
114.000	132.499
115.000	132.489
116.000	132.479
117.000	132.472
118.000	132.465
119.000	132.456
120.000	132.446
121.000	132.436
122.000	132.426
123.000	132.422
124.000	132.411
125.000	132.400
126.000	132.390
127.000	132.380
128.000	132.370
129.000	132.361
130.000	132.352
131.000	132.344
132.000	132.335
133.000	132.324
134.000	132.314
135.000	132.312
136.000	132.305
137.000	132.298
138.000	132.292
139.000	132.286
140.000	132.281
141.000	132.276
142.000	132.272
143.000	132.269
144.000	132.268
145.000	132.268
146.000	132.275
147.000	132.282
148.000	132.290
149.000	132.299
150.000	132.309
151.000	132.321
152.000	132.333
153.000	132.345
154.000	132.359
155.000	132.373
156.000	132.387
157.000	132.402
158.000	132.417
159.000	132.432
160.000	132.447
161.000	132.461
162.000	132.475
163.000	132.488
164.000	132.499
165.000	132.509
166.000	132.517
167.000	132.522

168.000	132.523
169.000	132.521
170.000	132.517
171.000	132.511
172.000	132.504
173.000	132.497
174.000	132.488
175.000	132.480
176.000	132.471
177.000	132.462
178.000	132.452
179.000	132.443
180.000	132.434
181.000	132.425
182.000	132.415
183.000	132.406
184.000	132.397
185.000	132.388
186.000	132.379
187.000	132.371
188.000	132.362
189.000	132.354
190.000	132.346
191.000	132.338
192.000	132.330
193.000	132.322
194.000	132.315
195.000	132.307
196.000	132.299
197.000	132.293
198.000	132.286
199.000	132.279
200.000	132.273
201.000	132.267
202.000	132.261
203.000	132.255
204.000	132.249
205.000	132.243
206.000	132.238
207.000	132.232
208.000	132.227
209.000	132.222
210.000	132.217
211.000	132.212
212.000	132.207
213.000	132.203
214.000	132.198
215.000	132.194
216.000	132.190
217.000	132.185
218.000	132.181
219.000	132.177
220.000	132.172
221.000	132.169
222.000	132.165
223.000	132.162
224.000	132.158
225.000	132.154
226.000	132.151
227.000	132.147
228.000	132.144
229.000	132.141
230.000	132.137
231.000	132.134
232.000	132.131
233.000	132.128
234.000	132.125
235.000	132.122
236.000	132.119
237.000	132.116
238.000	132.113
239.000	132.111
240.000	132.108
241.000	132.105

242.000	132.103
243.000	132.100
244.000	132.097
245.000	132.095
246.000	132.092
247.000	132.090
248.000	132.088
249.000	132.085
250.000	132.083
251.000	132.081
252.000	132.078
253.000	132.076
254.000	132.074
255.000	132.072
256.000	132.070
257.000	132.068
258.000	132.066
259.000	132.062
260.000	132.062
261.000	132.060
262.000	132.058
263.000	132.056
264.000	132.054
265.000	132.052
266.000	132.050
267.000	132.048
268.000	132.046
269.000	132.045
270.000	132.043
271.000	132.041
272.000	132.039
273.000	132.038
274.000	132.036
275.000	132.035
276.000	132.033
277.000	132.031
278.000	132.030
279.000	132.028
280.000	132.027
281.000	132.025
282.000	132.023
283.000	132.022
284.000	132.021
285.000	132.019
286.000	132.018
287.000	132.016
288.000	132.015
289.000	132.013
290.000	132.012
291.000	132.011
292.000	132.009
293.000	132.007
294.000	132.005
295.000	132.005
296.000	132.004
297.000	132.003
298.000	132.002
299.000	132.000
300.000	131.999

Deberry Engineers, Inc.

9.000	129.643
10.000	129.651
11.000	129.659
12.000	129.667
13.000	129.675
14.000	129.683
15.001	129.690
16.000	129.698
17.000	129.706
18.000	129.713
19.000	129.721
20.000	129.729
21.000	129.737
22.000	129.745
23.000	129.753
24.001	129.761
25.000	129.771
26.000	129.776
27.000	129.821
28.000	129.848
29.000	129.874
30.000	129.901
31.000	129.928
32.000	129.954
33.000	129.980
34.001	130.005
35.000	130.031
36.000	130.058
37.000	130.084
38.000	130.110
39.000	130.131
40.000	130.155
41.000	130.179
42.000	130.203
43.000	130.226
44.000	130.250
45.000	130.274
46.000	130.297
47.000	130.320
48.000	130.343
49.000	130.366
50.000	130.372
51.000	130.377
52.000	130.389
53.000	130.408
54.000	130.434
55.000	130.470
56.000	130.521
57.000	130.593
58.000	130.711
59.000	130.823
60.000	131.005
62.000	131.686
63.000	131.686
64.000	131.805
65.000	131.868
66.000	131.901
67.000	131.915
68.000	131.920
69.000	131.916
70.000	131.907
71.000	131.895
72.000	131.882
73.000	131.872
74.000	131.874
75.000	131.876
76.000	131.880
77.000	131.884
78.000	131.888
79.000	131.892
80.000	131.896
81.000	131.899
82.000	131.902

Deberry Engineers, Inc.

83.000	131.905
84.000	131.907
85.000	131.910
86.000	131.912
87.000	131.912
88.000	131.917
89.000	131.919
90.000	131.921
91.000	131.923
92.000	131.924
93.000	131.926
94.000	131.927
95.000	131.929
96.000	131.929
97.000	131.928
98.000	131.922
99.000	131.914
100.000	131.905
101.000	131.898
102.000	131.892
103.000	131.892
104.000	131.888
105.000	131.879
106.000	131.876
107.000	131.873
108.000	131.871
109.000	131.869
110.000	131.867
111.000	131.863
112.000	131.863
113.000	131.862
114.000	131.861
115.000	131.860
116.000	131.859
117.000	131.858
118.000	131.858
119.000	131.858
120.000	131.857
121.000	131.856
122.000	131.856
123.000	131.853
124.000	131.851
125.000	131.849
126.000	131.847
127.000	131.846
128.000	131.844
129.000	131.843
130.000	131.842
131.000	131.841
132.000	131.841
133.000	131.839
134.000	131.837
135.000	131.836
136.000	131.936
137.000	131.976
138.000	132.018
139.000	132.061
140.000	132.102
141.000	132.140
142.000	132.178
143.000	132.218
144.000	132.262
145.000	132.310
146.000	132.356
147.000	132.396
148.000	132.430
149.000	132.460
150.000	132.486
151.000	132.509
152.000	132.530
153.000	132.549
154.000	132.566
155.000	132.581
156.000	132.593

157.000	132.604
158.000	132.612
159.000	132.618
160.000	132.622
161.000	132.622
162.000	132.620
163.000	132.611
164.000	132.597
165.000	132.580
166.000	132.563
167.000	132.543
168.000	132.523
169.000	132.503
170.000	132.481
171.000	132.459
172.000	132.435
173.000	132.412
174.000	132.388
175.000	132.364
176.000	132.339
177.000	132.314
178.000	132.289
179.000	132.263
180.000	132.238
181.000	132.214
182.000	132.190
183.000	132.166
184.000	132.142
185.000	132.118
186.000	132.096
187.000	132.074
188.000	132.052
189.000	132.031
190.000	132.011
191.000	131.991
192.000	131.972
193.000	131.955
194.000	131.939
195.000	131.925
196.000	131.912
197.000	131.899
198.000	131.888
199.000	131.882
200.000	131.877
201.000	131.872
202.000	131.872
203.000	131.868
204.000	131.865
205.000	131.862
206.000	131.859
207.000	131.857
208.000	131.854
209.000	131.851
210.000	131.851
211.000	131.849
212.000	131.848
213.000	131.847
214.000	131.846
215.000	131.845
216.000	131.844
217.000	131.843
218.000	131.842
219.000	131.842
220.000	131.841
221.000	131.840
222.000	131.840
223.000	131.839
224.000	131.839
225.000	131.838
226.000	131.838
227.000	131.838
228.000	131.837
229.000	131.837
230.000	131.836

231.000	131.836
232.000	131.836
233.000	131.836
234.000	131.836
235.000	131.836
236.000	131.836
237.000	131.834
238.000	131.834
239.000	131.833
240.000	131.833
241.000	131.833
242.000	131.832
243.000	131.832
244.000	131.832
245.000	131.831
246.000	131.831
247.000	131.831
248.000	131.830
249.000	131.830
250.000	131.830
251.000	131.830
252.000	131.829
253.000	131.829
254.000	131.829
255.000	131.828
256.000	131.828
257.000	131.828
258.000	131.827
259.000	131.827
260.000	131.827
261.000	131.827
262.000	131.826
263.000	131.826
264.000	131.826
265.000	131.825
266.000	131.825
267.000	131.825
268.000	131.824
269.000	131.824
270.000	131.824
271.000	131.823
272.000	131.823
273.000	131.823
274.000	131.822
275.000	131.822
276.000	131.822
277.000	131.822
278.000	131.821
279.000	131.821
280.000	131.821
281.000	131.820
282.000	131.820
283.000	131.820
284.000	131.820
285.000	131.819
286.000	131.819
287.000	131.819
288.000	131.818
289.000	131.818
290.000	131.818
291.000	131.817
292.000	131.817
293.000	131.817
294.000	131.816
295.000	131.816
296.000	131.816
297.000	131.816
298.000	131.815
299.000	131.815
300.000	131.815

Name: PCZY1d Node: NB0043 Type: Stage

Time (hrs)	Stage (ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.001	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090
10.000	143.090
11.000	143.090
12.000	143.145
13.000	143.272
14.000	143.411
15.000	143.118
16.001	143.090
17.000	143.090
18.000	143.090
19.000	143.090
20.000	143.090
21.000	143.090
22.000	143.090
23.000	143.090
24.000	143.090
25.000	143.090
26.000	143.090
27.000	143.090
28.000	143.090
29.000	143.090
30.000	143.090
31.000	143.090
32.000	143.090
33.000	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090
38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.090
56.000	143.090
57.000	143.090
58.000	143.090
59.000	143.090
60.000	143.090
61.000	143.090
62.000	143.090
63.000	143.090
64.000	143.090
65.000	143.090
66.000	143.090
67.000	143.090
68.000	143.090
69.000	143.090
70.000	143.090
71.000	143.090

Name: PCZY1d Node: NB0043 Type: Stage

72.000	143.090
73.000	143.090
74.000	143.090
75.000	143.090
76.000	143.090
77.000	143.090
78.000	143.090
79.000	143.090
80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090
84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090
102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090
111.000	143.090
112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090

146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

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 Name: P2ZY1d Node: NB0050 Type: Stage  
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Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.420
3.000	129.422
4.000	129.426
5.001	129.432
6.000	129.439
7.000	129.447
8.000	129.456
9.000	129.467
10.000	129.481
11.000	129.499

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

12.000	129.531
13.000	129.647
14.000	129.721
15.000	129.764
16.000	129.787
17.000	129.804
18.000	129.814
19.000	129.821
20.000	129.828
21.000	129.833
22.000	129.838
23.000	129.842
24.000	129.845
25.000	129.847
26.000	129.846
27.000	129.844
28.000	129.842
29.000	129.839
30.000	129.836
31.000	129.834
32.000	129.831
33.000	129.829
34.000	129.826
35.000	129.824
36.000	129.821
37.000	129.819
38.000	129.817
39.000	129.814
40.000	129.812
41.000	129.810
42.000	129.807
43.000	129.805
44.000	129.803
45.000	129.801
46.000	129.798
47.000	129.796
48.000	129.794
49.000	129.792
50.000	129.789
51.000	129.786
52.000	129.783
53.000	129.782
54.000	129.782
55.000	129.780
56.000	129.778
57.000	129.776
58.000	129.774
59.000	129.773
60.000	129.771
61.000	129.769
62.000	129.767
63.000	129.764
64.000	129.762
65.000	129.762
66.000	129.760
67.000	129.758
68.000	129.757
69.000	129.755
70.000	129.753
71.000	129.752
72.000	129.750
73.000	129.749
74.000	129.747
75.000	129.744
76.000	129.742
77.000	129.741
78.000	129.741
79.000	129.739
80.000	129.738
81.000	129.736
82.000	129.735
83.000	129.734
84.000	129.732
85.000	129.731

Deberry Engineers, Inc.

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

86.000	129.729
87.000	129.728
88.000	129.727
89.000	129.725
90.000	129.724
91.000	129.723
92.000	129.721
93.000	129.720
94.000	129.719
95.000	129.717
96.000	129.716
97.000	129.715
98.000	129.714
99.000	129.712
100.000	129.711
101.000	129.710
102.000	129.709
103.000	129.708
104.000	129.706
105.000	129.705
106.000	129.704
107.000	129.703
108.000	129.702
109.000	129.701
110.000	129.700
111.000	129.699
112.000	129.698
113.000	129.696
114.000	129.695
115.000	129.694
116.000	129.693
117.000	129.692
118.000	129.691
119.000	129.690
120.000	129.689
121.000	129.688
122.000	129.687
123.000	129.686
124.000	129.685
125.000	129.684
126.000	129.682
127.000	129.682
128.000	129.681
129.000	129.680
130.000	129.679
131.000	129.679
132.000	129.678
133.000	129.677
134.000	129.676
135.000	129.675
136.000	129.674
137.000	129.672
138.000	129.671
139.000	129.671
140.000	129.670
141.000	129.669
142.000	129.669
143.000	129.668
144.000	129.667
145.000	129.666
146.000	129.666
147.000	129.665
148.000	129.664
149.000	129.663
150.000	129.662
151.000	129.662
152.000	129.661
153.000	129.660
154.000	129.659
155.000	129.659
156.000	129.658
157.000	129.657
158.000	129.656
159.000	129.656

Deberry Engineers, Inc.



160.000	129.655
161.000	129.654
162.000	129.653
163.000	129.652
164.000	129.651
165.000	129.650
166.000	129.649
167.000	129.648
168.000	129.647
169.000	129.646
170.000	129.645
171.000	129.644
172.000	129.643
173.000	129.642
174.000	129.641
175.000	129.640
176.000	129.639
177.000	129.638
178.000	129.637
179.000	129.636
180.000	129.635
181.000	129.634
182.000	129.633
183.000	129.632
184.000	129.631
185.000	129.630
186.000	129.629
187.000	129.628
188.000	129.627
189.000	129.626
190.000	129.625
191.000	129.624
192.000	129.623
193.000	129.622
194.000	129.621
195.000	129.620
196.000	129.619
197.000	129.618
198.000	129.617
199.000	129.616
200.000	129.615

Name: PC2Y1d Node: NB0102 Type: Stage

Time (hrs)	Stage (ft)
0.000	139.200
1.000	139.200
2.000	139.200
3.000	139.200
4.000	139.200
5.001	139.200
6.000	139.200
7.000	139.200
8.000	139.200
9.000	139.200
10.000	139.200
11.000	139.200
12.000	139.201
13.000	139.200
14.000	139.200
15.000	139.200
16.000	139.200
17.000	139.200
18.000	139.200
19.000	139.200
20.000	139.200
21.000	139.200
22.000	139.200
23.000	139.200
24.000	139.200
25.000	139.200

26.000	139.200
27.000	139.200
28.000	139.200
29.000	139.200
30.000	139.200
31.000	139.200
32.000	139.200
33.000	139.200
34.000	139.200
35.000	139.200
36.000	139.200
37.000	139.200
38.000	139.200
39.000	139.200
40.000	139.200
41.000	139.200
42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.200
61.000	139.200
62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200
77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200

100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200

174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PC2Y1d Node: NB2112 Type: Stage

Time (hrs)	Stage (ft)
0.000	130.100
1.000	130.100
2.000	130.101
3.000	130.102
4.000	130.105
5.000	130.105
6.000	130.117
7.000	130.125
8.000	130.136
9.000	130.151
10.000	130.174
11.000	130.227
12.000	130.417
13.000	130.537
14.000	130.593
15.000	130.629
16.000	130.629
17.000	130.698
18.000	130.699
19.000	130.717
20.000	130.734
21.000	130.749
22.000	130.763
23.000	130.776
24.000	130.786
25.000	130.792
26.000	130.797
27.000	130.801
28.000	130.807
29.000	130.810
30.000	130.812
31.000	130.815
32.000	130.817
33.000	130.819
34.000	130.821
35.000	130.822
36.000	130.824
37.000	130.826
38.000	130.826
39.000	130.826

40.000	130.827
41.000	130.828
42.000	130.830
43.000	130.831
44.000	130.832
45.000	130.833
46.000	130.834
47.000	130.835
48.000	130.836
49.000	130.837
50.000	130.838
51.000	130.839
52.000	130.839
53.000	130.840
54.000	130.841
55.000	130.841
56.000	130.842
57.000	130.843
58.000	130.843
59.000	130.844
60.000	130.845
61.000	130.845
62.000	130.846
63.000	130.846
64.000	130.847
65.000	130.847
66.000	130.847
67.000	130.848
68.000	130.848
69.000	130.849
70.000	130.849
71.000	130.849
72.000	130.850
73.000	130.850
74.000	130.851
75.000	130.851
76.000	130.851
77.000	130.852
78.000	130.852
79.000	130.852
80.000	130.853
81.000	130.853
82.000	130.853
83.000	130.853
84.000	130.853
85.000	130.854
86.000	130.854
87.000	130.854
88.000	130.854
89.000	130.855
90.000	130.855
91.000	130.855
92.000	130.855
93.000	130.855
94.000	130.856
95.000	130.856
96.000	130.856
97.000	130.856
98.000	130.856
99.000	130.856
100.000	130.857
101.000	130.857
102.000	130.857
103.000	130.857
104.000	130.857
105.000	130.857
106.000	130.857
107.000	130.858
108.000	130.858
109.000	130.858
110.000	130.858
111.000	130.858
112.000	130.858
113.000	130.858

114.000	130.858
115.000	130.858
116.000	130.859
117.000	130.859
118.000	130.859
119.000	130.859
120.000	130.859
121.000	130.859
122.000	130.859
123.000	130.859
124.000	130.859
125.000	130.859
126.000	130.859
127.000	130.859
128.000	130.860
129.000	130.860
130.000	130.860
131.000	130.860
132.000	130.860
133.000	130.860
134.000	130.860
135.000	130.860
136.000	130.860
137.000	130.860
138.000	130.860
139.000	130.860
140.000	130.860
141.000	130.860
142.000	130.860
143.000	130.860
144.000	130.860
145.000	130.860
146.000	130.860
147.000	130.860
148.000	130.861
149.000	130.861
150.000	130.861
151.000	130.861
152.000	130.861
153.000	130.861
154.000	130.861
155.000	130.861
156.000	130.861
157.000	130.861
158.000	130.861
159.000	130.861
160.000	130.861
161.000	130.861
162.000	130.861
163.000	130.861
164.000	130.861
165.000	130.861
166.000	130.861
167.000	130.861
168.000	130.861
169.000	130.861
170.000	130.861
171.000	130.861
172.000	130.861
173.000	130.861
174.000	130.861
175.000	130.861
176.000	130.861
177.000	130.861
178.000	130.861
179.000	130.861
180.000	130.861
181.000	130.861
182.000	130.861
183.000	130.861
184.000	130.861
185.000	130.861
186.000	130.861
187.000	130.861

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

188.000	130.861
189.000	130.861
190.000	130.861
191.000	130.861
192.000	130.861
193.000	130.861
194.000	130.861
195.000	130.861
196.000	130.861
197.000	130.861
198.000	130.861
199.000	130.861
200.000	130.861

Name: P22Y1d  
 Time (hrs) Stage (ft)  
 Node: NB2124 Type: Stage

0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.001	131.710
6.000	131.710
7.000	131.710
8.000	131.710
9.000	131.739
10.000	131.756
11.000	131.779
12.000	131.849
13.000	132.008
14.000	132.051
15.000	132.069
16.001	132.083
17.000	132.092
18.000	132.101
19.000	132.107
20.000	132.113
21.000	132.117
22.000	132.121
23.000	132.125
24.000	132.128
25.000	132.127
26.000	132.124
27.000	132.121
28.000	132.118
29.000	132.116
30.000	132.113
31.000	132.110
32.000	132.107
33.000	132.105
34.000	132.102
35.000	132.099
36.000	132.097
37.000	132.094
38.000	132.092
39.000	132.089
40.000	132.087
41.000	132.085
42.000	132.082
43.000	132.079
44.000	132.076
45.000	132.074
46.000	132.071
47.000	132.069
48.000	132.067
49.000	132.065
50.000	132.063
51.000	132.061
52.000	132.061
53.000	132.059

Deberry Engineers, Inc.

Existing Pease Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

54.000	132.057
55.000	132.055
56.000	132.053
57.000	132.051
58.000	132.049
59.000	132.048
60.000	132.046
61.000	132.044
62.000	132.043
63.000	132.041
64.000	132.039
65.000	132.037
66.000	132.036
67.000	132.034
68.000	132.033
69.000	132.031
70.000	132.029
71.000	132.028
72.000	132.026
73.000	132.025
74.000	132.023
75.000	132.022
76.000	132.020
77.000	132.019
78.000	132.017
79.000	132.016
80.000	132.015
81.000	132.013
82.000	132.012
83.000	132.010
84.000	132.009
85.000	132.008
86.000	132.006
87.000	132.005
88.000	132.004
89.000	132.003
90.000	132.001
91.000	132.000
92.000	131.999
93.000	131.998
94.000	131.996
95.000	131.995
96.000	131.994
97.000	131.993
98.000	131.992
99.000	131.991
100.000	131.989
101.000	131.988
102.000	131.987
103.000	131.986
104.000	131.985
105.000	131.984
106.000	131.983
107.000	131.982
108.000	131.981
109.000	131.980
110.000	131.979
111.000	131.978
112.000	131.977
113.000	131.976
114.000	131.975
115.000	131.974
116.000	131.973
117.000	131.972
118.000	131.971
119.000	131.970
120.000	131.969
121.000	131.968
122.000	131.967
123.000	131.966
124.000	131.965
125.000	131.964
126.000	131.964
127.000	131.963

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

128.000	131.962
129.000	131.961
130.000	131.960
131.000	131.959
132.000	131.958
133.000	131.957
134.000	131.956
135.000	131.955
136.000	131.954
137.000	131.953
138.000	131.953
139.000	131.952
140.000	131.951
141.000	131.950
142.000	131.949
143.000	131.948
144.000	131.947
145.000	131.946
146.000	131.945
147.000	131.944
148.000	131.943
149.000	131.942
150.000	131.941
151.000	131.940
152.000	131.939
153.000	131.938
154.000	131.937
155.000	131.936
156.000	131.935
157.000	131.934
158.000	131.933
159.000	131.932
160.000	131.931
161.000	131.929
162.000	131.928
163.000	131.928
164.000	131.927
165.000	131.926
166.000	131.925
167.000	131.924
168.000	131.923
169.000	131.922
170.000	131.922
171.000	131.921
172.000	131.920
173.000	131.919
174.000	131.918
175.000	131.917
176.000	131.916
177.000	131.915
178.000	131.914
179.000	131.914
180.000	131.914

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

Time (hrs)	Stage (ft)	Node: NB2130	Type: Stage
0.000	129.600		
1.000	129.600		
2.000	129.602		
3.000	129.606		
4.000	129.613		
5.001	129.622		
6.000	129.633		
7.000	129.645		
8.000	129.660		
9.000	129.678		
10.000	129.700		
11.000	129.729		
12.000	129.789		
13.000	130.005		
14.000	130.139		
15.000	130.216		
16.001	130.260		
17.000	130.283		
18.000	130.299		
19.000	130.313		
20.000	130.323		
21.000	130.328		
22.000	130.332		
23.000	130.348		
24.000	130.354		
25.000	130.357		
26.000	130.356		
27.000	130.352		
28.000	130.349		
29.000	130.345		
30.000	130.341		
31.000	130.337		
32.000	130.334		
33.000	130.328		
34.000	130.324		
35.000	130.325		
36.000	130.323		
37.000	130.320		
38.000	130.318		
39.000	130.317		
40.000	130.315		
41.000	130.314		
42.000	130.313		
43.000	130.313		
44.000	130.313		
45.000	130.312		
46.000	130.312		
47.000	130.314		
48.000	130.315		
49.000	130.316		
50.000	130.316		
51.000	130.317		
52.000	130.318		
53.000	130.318		
54.000	130.319		
55.000	130.320		
56.000	130.321		
57.000	130.321		
58.000	130.322		
59.000	130.323		
60.000	130.323		
61.000	130.324		
62.000	130.325		
63.000	130.326		
64.000	130.326		
65.000	130.327		
66.000	130.327		
67.000	130.328		

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

68.000	130.329
69.000	130.329
70.000	130.330
71.000	130.331
72.000	130.331
73.000	130.332
74.000	130.332
75.000	130.333
76.000	130.334
77.000	130.334
78.000	130.335
79.000	130.335
80.000	130.336
81.000	130.336
82.000	130.337
83.000	130.338
84.000	130.339
85.000	130.339
86.000	130.339
87.000	130.340
88.000	130.340
89.000	130.341
90.000	130.341
91.000	130.342
92.000	130.342
93.000	130.343
94.000	130.343
95.000	130.344
96.000	130.344
97.000	130.344
98.000	130.345
99.000	130.345
100.000	130.346
101.000	130.346
102.000	130.347
103.000	130.347
104.000	130.348
105.000	130.348
106.000	130.348
107.000	130.349
108.000	130.349
109.000	130.350
110.000	130.350
111.000	130.351
112.000	130.351
113.000	130.351
114.000	130.352
115.000	130.352
116.000	130.352
117.000	130.353
118.000	130.353
119.000	130.353
120.000	130.354
121.000	130.354
122.000	130.355
123.000	130.355
124.000	130.355
125.000	130.355
126.000	130.356
127.000	130.356
128.000	130.356
129.000	130.357
130.000	130.357
131.000	130.357
132.000	130.358
133.000	130.358
134.000	130.359
135.000	130.359
136.000	130.359
137.000	130.360
138.000	130.360
139.000	130.361
140.000	130.361
141.000	130.361

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 577 Widening  
 Complete Input Report

142.000	130.361
143.000	130.362
144.000	130.362
145.000	130.362
146.000	130.362
147.000	130.363
148.000	130.363
149.000	130.363
150.000	130.364
151.000	130.364
152.000	130.364
153.000	130.364
154.000	130.365
155.000	130.365
156.000	130.365
157.000	130.365
158.000	130.365
159.000	130.366
160.000	130.366
161.000	130.367
162.000	130.367
163.000	130.367
164.000	130.367
165.000	130.368
166.000	130.368
167.000	130.368
168.000	130.368
169.000	130.369
170.000	130.369
171.000	130.369
172.000	130.369
173.000	130.369
174.000	130.370
175.000	130.370
176.000	130.370
177.000	130.370
178.000	130.371
179.000	130.371
180.000	130.371
181.000	130.371
182.000	130.372
183.000	130.372
184.000	130.372
185.000	130.372
186.000	130.372
187.000	130.373
188.000	130.373
189.000	130.373
190.000	130.373
191.000	130.373
192.000	130.374
193.000	130.374
194.000	130.374
195.000	130.374
196.000	130.374
197.000	130.375
198.000	130.375
199.000	130.375
200.000	130.375
200.000	130.375

Deberry Engineers, Inc.

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0002A	B	PC100y1d	0.00	0.00	0.000	25.50	140.57	22.98	138.19
RB0002A	B	PC100y5d	94.08	0.06	0.001	94.08	141.09	67.98	138.46
RB0002A	B	PC10y1d	0.00	0.00	0.000	25.50	140.32	19.87	137.98
RB0002A	B	PC25y1d	0.00	0.00	0.000	25.50	140.37	20.30	138.02
RB0002A	B	PC2y1d	0.00	0.00	0.000	25.50	140.11	18.05	137.82
RB0002A	B	PC500y5d	64.09	0.28	0.006	64.09	141.09	68.71	138.71
RB0002A	B	PC50y1d	0.00	0.00	0.000	25.50	140.46	21.17	138.10
RB0003A	B	PC100y1d	0.00	0.00	0.000	12.88	142.27	22.98	138.19
RB0003A	B	PC100y5d	0.00	0.00	0.000	66.13	142.80	67.98	138.46
RB0003A	B	PC10y1d	0.00	0.00	0.000	12.73	141.75	19.87	137.98
RB0003A	B	PC25y1d	0.00	0.00	0.000	12.76	141.85	20.30	138.02
RB0003A	B	PC2y1d	0.00	0.00	0.000	12.08	141.60	18.05	137.82
RB0003A	B	PC500y5d	0.00	0.00	0.000	64.71	143.75	68.71	138.71
RB0003A	B	PC50y1d	0.00	0.00	0.000	12.82	142.04	21.17	138.10
RB0003B	B	PC100y1d	11.82	3.17	1.155	12.88	142.27	0.00	50.00
RB0003B	B	PC100y5d	60.13	1.27	-0.017	66.13	142.80	0.00	50.00
RB0003B	B	PC10y1d	12.00	4.49	3.130	12.73	141.75	0.00	50.00
RB0003B	B	PC25y1d	12.05	4.56	0.408	12.76	141.85	0.00	50.00
RB0003B	B	PC2y1d	12.08	2.76	-0.550	12.08	141.60	0.00	50.00
RB0003B	B	PC500y5d	61.22	2.08	-0.200	64.71	143.75	0.00	50.00
RB0003B	B	PC50y1d	11.80	5.15	2.494	12.82	142.04	0.00	50.00
RB0004A	B	PC100y1d	12.10	2.89	0.014	12.10	139.11	22.98	138.19
RB0004A	B	PC100y5d	60.02	1.29	0.004	60.02	139.10	67.98	138.46
RB0004A	B	PC10y1d	12.10	1.96	0.011	12.10	139.10	19.87	137.98
RB0004A	B	PC25y1d	12.10	2.12	0.011	12.10	139.11	20.30	138.02
RB0004A	B	PC2y1d	12.10	1.36	0.008	12.10	139.10	18.05	137.82
RB0004A	B	PC500y5d	60.02	1.55	0.005	60.02	139.10	68.71	138.71
RB0004A	B	PC50y1d	12.10	2.42	0.010	12.10	139.11	21.17	138.10
RB0006A	B	PC100y1d	12.09	4.16	0.020	12.09	139.11	22.98	138.19
RB0006A	B	PC100y5d	60.02	1.84	0.006	60.02	139.10	67.98	138.46
RB0006A	B	PC10y1d	12.10	2.80	0.016	12.10	139.11	19.87	137.98
RB0006A	B	PC25y1d	12.10	3.02	0.016	12.10	139.11	20.30	138.02
RB0006A	B	PC2y1d	12.10	1.94	0.011	12.10	139.10	18.05	137.82
RB0006A	B	PC500y5d	60.01	2.21	0.007	60.01	139.10	68.71	138.71
RB0006A	B	PC50y1d	12.09	3.45	0.015	12.09	139.11	21.17	138.10
RB0007A	B	PC100y1d	12.09	4.14	0.019	12.09	139.11	22.98	138.19
RB0007A	B	PC100y5d	60.01	1.88	0.006	60.01	139.10	67.98	138.46
RB0007A	B	PC10y1d	12.10	2.86	0.016	12.10	139.11	19.87	137.98
RB0007A	B	PC25y1d	12.09	3.08	0.017	12.09	139.11	20.30	138.02
RB0007A	B	PC2y1d	12.10	1.98	0.011	12.10	139.11	18.05	137.82
RB0007A	B	PC500y5d	60.01	2.26	0.007	60.01	139.11	68.71	138.71
RB0007A	B	PC50y1d	12.09	3.52	0.015	12.09	139.11	21.17	138.10
RB0008A	B	PC100y1d	0.00	0.00	0.000	12.86	138.56	22.98	138.19

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0008A	B	PC100y5d	0.00	0.00	0.000	65.38	138.35	67.98	138.46
RB0008A	B	PC10y1d	0.00	0.00	0.000	12.62	138.27	19.87	137.98
RB0008A	B	PC25y1d	0.00	0.00	0.000	12.67	138.30	20.30	138.02
RB0008A	B	PC2y1d	0.00	0.00	0.000	12.39	138.13	18.05	137.82
RB0008A	B	PC500y5d	0.00	0.00	0.000	64.34	140.31	68.71	138.71
RB0008A	B	PC50y1d	0.00	0.00	0.000	12.76	138.39	21.17	138.10
RB0008B	B	PC100y1d	0.00	0.00	0.000	12.86	138.56	22.98	138.19
RB0008B	B	PC100y5d	0.00	0.00	0.000	65.38	138.35	67.98	138.46
RB0008B	B	PC10y1d	0.00	0.00	0.000	12.62	138.27	19.87	137.98
RB0008B	B	PC25y1d	0.00	0.00	0.000	12.67	138.30	20.30	138.02
RB0008B	B	PC2y1d	0.00	0.00	0.000	12.39	138.13	18.05	137.82
RB0008B	B	PC500y5d	0.00	0.00	0.000	64.34	140.31	68.71	138.71
RB0008B	B	PC50y1d	0.00	0.00	0.000	12.76	138.39	21.17	138.10
RB0008C	B	PC100y1d	0.00	0.00	0.000	12.86	138.56	12.25	148.11
RB0008C	B	PC100y5d	0.00	0.00	0.000	65.38	138.35	60.00	148.09
RB0008C	B	PC10y1d	0.00	0.00	0.000	12.62	138.27	12.29	148.09
RB0008C	B	PC25y1d	0.00	0.00	0.000	12.67	138.30	12.23	148.09
RB0008C	B	PC2y1d	0.00	0.00	0.000	12.39	138.13	12.08	148.09
RB0008C	B	PC500y5d	0.00	0.00	0.000	64.34	140.31	62.17	148.24
RB0008C	B	PC50y1d	0.00	0.00	0.000	12.76	138.39	12.12	148.09
RB0008D	B	PC100y1d	12.34	0.51	-0.222	12.86	138.56	0.00	50.00
RB0008D	B	PC100y5d	60.12	0.45	-0.105	65.38	138.35	0.00	50.00
RB0008D	B	PC10y1d	12.36	0.50	-0.340	12.62	138.27	0.00	50.00
RB0008D	B	PC25y1d	12.40	0.50	-0.349	12.67	138.30	0.00	50.00
RB0008D	B	PC2y1d	11.91	0.50	-0.147	12.39	138.13	0.00	50.00
RB0008D	B	PC500y5d	64.34	0.67	-0.068	64.34	140.31	0.00	50.00
RB0008D	B	PC50y1d	12.46	0.50	-0.353	12.76	138.39	0.00	50.00
RB0009A	B	PC100y1d	12.09	4.53	0.021	12.09	139.12	22.98	138.19
RB0009A	B	PC100y5d	60.01	2.10	0.007	60.01	139.11	67.98	138.46
RB0009A	B	PC10y1d	12.10	3.20	0.018	12.10	139.11	19.87	137.98
RB0009A	B	PC25y1d	12.09	3.45	0.019	12.09	139.12	20.30	138.02
RB0009A	B	PC2y1d	12.10	2.21	0.013	12.10	139.11	18.05	137.82
RB0009A	B	PC500y5d	61.01	2.66	0.008	61.01	139.11	68.71	138.71
RB0009A	B	PC50y1d	12.09	3.94	0.017	12.09	139.12	21.17	138.10
RB0010A	B	PC100y1d	0.00	0.00	0.000	23.26	131.16	26.33	137.59
RB0010A	B	PC100y5d	0.00	0.00	0.000	186.04	131.83	122.33	138.70
RB0010A	B	PC10y1d	0.00	0.00	0.000	24.38	130.85	26.33	136.72
RB0010A	B	PC25y1d	0.00	0.00	0.000	24.28	130.92	26.34	136.97
RB0010A	B	PC2y1d	0.00	0.00	0.000	199.99	130.65	0.00	136.40
RB0010A	B	PC500y5d	0.00	0.00	-0.000	189.65	132.16	97.30	139.38
RB0010A	B	PC50y1d	0.00	0.00	0.000	24.03	131.04	26.34	137.37
RB0010B	B	PC100y1d	15.06	9.82	-1.497	23.26	131.16	200.00	131.11
RB0010B	B	PC100y5d	61.67	13.34	-1.497	186.04	131.83	185.88	131.83

Dewberry Engineers, Inc.  
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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0010B	B	PC10y1d	14.81	5.82	-1.497	24.38	130.85	200.00	130.85
RB0010B	B	PC25y1d	14.85	6.54	-1.497	24.28	130.92	200.00	130.90
RB0010B	B	PC2y1d	14.76	2.69	-1.497	199.99	130.65	200.00	130.65
RB0010B	B	PC500y5d	60.96	13.58	-1.497	189.65	132.16	189.54	132.16
RB0010B	B	PC50y1d	15.07	8.20	-1.497	24.03	131.04	200.00	131.01
RB0012A	B	PC100y1d	0.00	0.00	0.000	12.25	148.11	22.98	138.19
RB0012A	B	PC100y5d	0.00	0.00	0.000	60.00	148.09	67.98	138.46
RB0012A	B	PC10y1d	0.00	0.00	0.000	12.29	148.09	19.87	137.98
RB0012A	B	PC25y1d	0.00	0.00	0.000	12.23	148.09	20.30	138.02
RB0012A	B	PC2y1d	0.00	0.00	0.000	12.08	148.09	18.05	137.82
RB0012A	B	PC500y5d	0.00	0.00	0.000	62.17	148.24	68.71	138.71
RB0012A	B	PC50y1d	0.00	0.00	0.000	12.12	148.09	21.17	138.10
RB0012B	B	PC100y1d	0.00	0.00	0.000	12.25	148.11	200.00	131.11
RB0012B	B	PC100y5d	0.00	0.00	0.000	60.00	148.09	185.88	131.83
RB0012B	B	PC10y1d	0.00	0.00	0.000	12.29	148.09	200.00	130.85
RB0012B	B	PC25y1d	0.00	0.00	0.000	12.23	148.09	200.00	130.90
RB0012B	B	PC2y1d	0.00	0.00	0.000	12.08	148.09	200.00	130.65
RB0012B	B	PC500y5d	0.00	0.00	0.000	62.17	148.24	189.54	132.16
RB0012B	B	PC50y1d	0.00	0.00	0.000	12.12	148.09	200.00	131.01
RB0012C	B	PC100y1d	0.00	0.00	0.000	12.25	148.11	25.58	142.38
RB0012C	B	PC100y5d	0.00	0.00	0.000	60.00	148.09	65.14	142.96
RB0012C	B	PC10y1d	0.00	0.00	0.000	12.29	148.09	25.58	141.95
RB0012C	B	PC25y1d	0.00	0.00	0.000	12.23	148.09	25.59	142.02
RB0012C	B	PC2y1d	0.00	0.00	0.000	12.08	148.09	25.58	141.66
RB0012C	B	PC500y5d	0.00	0.00	0.000	62.17	148.24	62.06	143.19
RB0012C	B	PC50y1d	0.00	0.00	0.000	12.12	148.09	25.59	142.16
RB0012D	B	PC100y1d	11.96	6.72	-1.552	12.25	148.11	0.00	50.00
RB0012D	B	PC100y5d	60.00	3.27	-0.699	60.00	148.09	0.00	50.00
RB0012D	B	PC10y1d	12.08	5.01	0.602	12.29	148.09	0.00	50.00
RB0012D	B	PC25y1d	12.17	5.73	0.716	12.23	148.09	0.00	50.00
RB0012D	B	PC2y1d	12.08	3.47	0.019	12.08	148.09	0.00	50.00
RB0012D	B	PC500y5d	59.43	3.31	-0.528	62.17	148.24	0.00	50.00
RB0012D	B	PC50y1d	12.06	6.72	0.684	12.12	148.09	0.00	50.00
RB0020A	B	PC100y1d	22.98	7.84	0.026	22.98	138.19	200.00	131.11
RB0020A	B	PC100y5d	67.98	8.23	0.002	67.98	138.46	185.88	131.83
RB0020A	B	PC10y1d	19.87	7.44	0.016	19.87	137.98	200.00	130.85
RB0020A	B	PC25y1d	20.30	7.53	0.017	20.30	138.02	200.00	130.90
RB0020A	B	PC2y1d	18.05	6.14	0.009	18.05	137.82	200.00	130.65
RB0020A	B	PC500y5d	68.71	8.55	0.002	68.71	138.71	189.54	132.16
RB0020A	B	PC50y1d	21.17	7.69	0.021	21.17	138.10	200.00	131.01
RB0020B	B	PC100y1d	0.00	0.00	0.000	22.98	138.19	25.50	139.32
RB0020B	B	PC100y5d	0.00	0.00	0.000	67.98	138.46	121.50	139.95
RB0020B	B	PC10y1d	0.00	0.00	0.000	19.87	137.98	25.50	138.96

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0020B	B	PC25y1d	0.00	0.00	0.000	20.30	138.02	25.50	139.02
RB0020B	B	PC2y1d	0.00	0.00	0.000	18.05	137.82	25.50	138.72
RB0020B	B	PC500y5d	0.00	0.00	0.000	68.71	138.71	121.50	140.24
RB0020B	B	PC50y1d	0.00	0.00	0.000	21.17	138.10	25.50	139.14
RB0027A	B	PC100y1d	12.36	4.04	0.026	12.36	141.15	200.00	131.11
RB0027A	B	PC100y5d	60.21	1.88	0.003	60.21	141.05	185.88	131.83
RB0027A	B	PC10y1d	12.41	2.21	0.008	12.41	141.07	200.00	130.85
RB0027A	B	PC25y1d	12.40	2.40	0.008	12.40	141.08	200.00	130.90
RB0027A	B	PC2y1d	12.44	1.46	0.007	12.44	141.03	200.00	130.65
RB0027A	B	PC500y5d	60.20	2.27	0.004	60.20	141.07	189.54	132.16
RB0027A	B	PC50y1d	12.39	2.79	0.012	12.39	141.10	200.00	131.01
RB0027B	B	PC100y1d	0.00	0.00	0.000	12.36	141.15	200.00	131.11
RB0027B	B	PC100y5d	0.00	0.00	0.000	60.21	141.05	185.88	131.83
RB0027B	B	PC10y1d	0.00	0.00	0.000	12.41	141.07	200.00	130.85
RB0027B	B	PC25y1d	0.00	0.00	0.000	12.40	141.08	200.00	130.90
RB0027B	B	PC2y1d	0.00	0.00	0.000	12.44	141.03	200.00	130.65
RB0027B	B	PC500y5d	0.00	0.00	0.000	60.20	141.07	189.54	132.16
RB0027B	B	PC50y1d	0.00	0.00	0.000	12.39	141.10	200.00	131.01
RB0028A	B	PC100y1d	12.70	5.22	0.023	12.70	140.98	200.00	131.11
RB0028A	B	PC100y5d	60.87	3.18	0.005	60.87	140.90	185.88	131.83
RB0028A	B	PC10y1d	12.78	2.91	0.008	12.78	140.89	200.00	130.85
RB0028A	B	PC25y1d	12.77	3.17	0.010	12.77	140.90	200.00	130.90
RB0028A	B	PC2y1d	12.84	1.88	0.006	12.84	140.84	200.00	130.65
RB0028A	B	PC500y5d	60.78	3.88	0.006	60.78	140.93	189.54	132.16
RB0028A	B	PC50y1d	12.75	3.72	0.013	12.75	140.93	200.00	131.01
RB0028B	B	PC100y1d	0.00	0.00	0.000	12.70	140.98	200.00	131.11
RB0028B	B	PC100y5d	0.00	0.00	0.000	60.87	140.90	185.88	131.83
RB0028B	B	PC10y1d	0.00	0.00	0.000	12.78	140.89	200.00	130.85
RB0028B	B	PC25y1d	0.00	0.00	0.000	12.77	140.90	200.00	130.90
RB0028B	B	PC2y1d	0.00	0.00	0.000	12.84	140.84	200.00	130.65
RB0028B	B	PC500y5d	0.00	0.00	0.000	60.78	140.93	189.54	132.16
RB0028B	B	PC50y1d	0.00	0.00	0.000	12.75	140.93	200.00	131.01
RB0029A	B	PC100y1d	0.00	0.00	0.000	12.17	158.10	12.19	138.57
RB0029A	B	PC100y5d	0.00	0.00	0.000	60.08	158.10	60.09	138.56
RB0029A	B	PC10y1d	0.00	0.00	0.000	12.29	158.10	12.29	138.51
RB0029A	B	PC25y1d	0.00	0.00	0.000	12.23	158.10	12.25	138.52
RB0029A	B	PC2y1d	0.00	0.00	0.000	12.17	158.10	13.18	138.43
RB0029A	B	PC500y5d	0.00	0.00	0.000	60.08	158.10	60.09	138.59
RB0029A	B	PC50y1d	0.00	0.00	0.000	12.17	158.10	12.25	138.55
RB0029B	B	PC100y1d	12.17	0.49	0.002	12.17	158.10	0.00	50.00
RB0029B	B	PC100y5d	60.08	0.25	0.001	60.08	158.10	0.00	50.00
RB0029B	B	PC10y1d	12.17	0.35	0.002	12.29	158.10	0.00	50.00
RB0029B	B	PC25y1d	12.17	0.38	0.002	12.23	158.10	0.00	50.00

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0029B	B	PC2y1d	12.17	0.25	0.001	12.17	158.10	0.00	50.00
RB0029B	B	PC500y5d	60.08	0.30	0.001	60.08	158.10	0.00	50.00
RB0029B	B	PC50y1d	12.17	0.44	0.002	12.17	158.10	0.00	50.00
RB0030A	B	PC100y1d	0.00	0.00	0.000	200.00	131.11	12.17	158.10
RB0030A	B	PC100y5d	0.00	0.00	0.000	185.90	131.83	60.08	158.10
RB0030A	B	PC10y1d	0.00	0.00	0.000	200.00	130.85	12.29	158.10
RB0030A	B	PC25y1d	0.00	0.00	0.000	200.00	130.90	12.23	158.10
RB0030A	B	PC2y1d	0.00	0.00	0.000	200.00	130.65	12.17	158.10
RB0030A	B	PC500y5d	0.00	0.00	0.000	189.55	132.16	60.08	158.10
RB0030A	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	12.17	158.10
RB0031A	B	PC100y1d	12.43	6.67	0.040	12.43	141.65	200.00	131.11
RB0031A	B	PC100y5d	60.18	4.78	0.009	60.18	141.59	185.88	131.83
RB0031A	B	PC10y1d	12.45	3.15	0.014	12.45	141.52	200.00	130.85
RB0031A	B	PC25y1d	12.42	3.52	0.013	12.42	141.54	200.00	130.90
RB0031A	B	PC2y1d	12.67	1.55	0.012	12.67	141.45	200.00	130.65
RB0031A	B	PC500y5d	60.17	5.78	0.011	60.17	141.62	189.54	132.16
RB0031A	B	PC50y1d	12.48	4.57	0.020	12.48	141.58	200.00	131.01
RB0031B	B	PC100y1d	0.00	0.00	0.000	12.43	141.65	200.00	131.11
RB0031B	B	PC100y5d	0.00	0.00	0.000	60.18	141.59	185.88	131.83
RB0031B	B	PC10y1d	0.00	0.00	0.000	12.45	141.52	200.00	130.85
RB0031B	B	PC25y1d	0.00	0.00	0.000	12.42	141.54	200.00	130.90
RB0031B	B	PC2y1d	0.00	0.00	0.000	12.67	141.45	200.00	130.65
RB0031B	B	PC500y5d	0.00	0.00	0.000	60.17	141.62	189.54	132.16
RB0031B	B	PC50y1d	0.00	0.00	0.000	12.48	141.58	200.00	131.01
RB0033A	B	PC100y1d	12.51	6.33	0.034	12.51	147.41	200.00	131.11
RB0033A	B	PC100y5d	60.39	3.32	0.005	60.39	147.30	185.88	131.83
RB0033A	B	PC10y1d	12.57	3.49	0.010	12.57	147.31	200.00	130.85
RB0033A	B	PC25y1d	12.56	3.80	0.013	12.56	147.32	200.00	130.90
RB0033A	B	PC2y1d	12.62	2.26	0.010	12.62	147.25	200.00	130.65
RB0033A	B	PC500y5d	60.36	4.03	0.007	60.36	147.33	189.54	132.16
RB0033A	B	PC50y1d	12.55	4.42	0.019	12.55	147.34	200.00	131.01
RB0033B	B	PC100y1d	0.00	0.00	0.000	12.51	147.41	12.43	141.65
RB0033B	B	PC100y5d	0.00	0.00	0.000	60.39	147.30	60.18	141.59
RB0033B	B	PC10y1d	0.00	0.00	0.000	12.57	147.31	12.45	141.52
RB0033B	B	PC25y1d	0.00	0.00	0.000	12.56	147.32	12.42	141.54
RB0033B	B	PC2y1d	0.00	0.00	0.000	12.62	147.25	12.67	141.45
RB0033B	B	PC500y5d	0.00	0.00	0.000	60.36	147.33	60.17	141.62
RB0033B	B	PC50y1d	0.00	0.00	0.000	12.55	147.34	12.48	141.58
RB0038A	B	PC100y1d	0.00	0.00	0.000	25.58	142.38	200.00	131.11
RB0038A	B	PC100y5d	65.14	1.92	0.005	65.14	142.96	185.88	131.83
RB0038A	B	PC10y1d	0.00	0.00	0.000	25.58	141.95	200.00	130.85
RB0038A	B	PC25y1d	0.00	0.00	0.000	25.59	142.02	200.00	130.90
RB0038A	B	PC2y1d	0.00	0.00	0.000	25.58	141.66	200.00	130.65

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0038A	B	PC500y5d	62.06	8.22	0.037	62.06	143.19	189.54	132.16
RB0038A	B	PC50y1d	0.00	0.00	0.000	25.59	142.16	200.00	131.01
RB0038B	B	PC100y1d	0.00	0.00	0.000	25.58	142.38	200.00	131.11
RB0038B	B	PC100y5d	0.00	0.00	0.000	65.14	142.96	185.88	131.83
RB0038B	B	PC10y1d	0.00	0.00	0.000	25.58	141.95	200.00	130.85
RB0038B	B	PC25y1d	0.00	0.00	0.000	25.59	142.02	200.00	130.90
RB0038B	B	PC2y1d	0.00	0.00	0.000	25.58	141.66	200.00	130.65
RB0038B	B	PC500y5d	0.00	0.00	0.000	62.06	143.19	189.54	132.16
RB0038B	B	PC50y1d	0.00	0.00	0.000	25.59	142.16	200.00	131.01
RB0039A	B	PC100y1d	12.24	3.64	0.025	12.24	152.57	200.00	131.11
RB0039A	B	PC100y5d	60.12	1.48	0.003	60.12	152.47	185.88	131.83
RB0039A	B	PC10y1d	12.27	1.96	0.010	12.27	152.49	200.00	130.85
RB0039A	B	PC25y1d	12.26	2.12	0.009	12.26	152.50	200.00	130.90
RB0039A	B	PC2y1d	12.38	1.17	0.011	12.38	152.45	200.00	130.65
RB0039A	B	PC500y5d	61.16	2.85	0.008	61.16	152.54	189.54	132.16
RB0039A	B	PC50y1d	12.26	2.45	0.009	12.26	152.52	200.00	131.01
RB0040A	B	PC100y1d	0.00	0.00	0.000	200.00	131.11	23.26	131.16
RB0040A	B	PC100y5d	67.78	1.65	-0.241	185.88	131.83	186.04	131.83
RB0040A	B	PC10y1d	0.00	0.00	0.000	200.00	130.85	24.38	130.85
RB0040A	B	PC25y1d	0.00	0.00	0.000	200.00	130.90	24.28	130.92
RB0040A	B	PC2y1d	0.00	0.00	0.000	200.00	130.65	199.99	130.65
RB0040A	B	PC500y5d	65.76	3.89	-0.618	189.54	132.16	189.65	132.16
RB0040A	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	24.03	131.04
RB0040B	B	PC100y1d	0.00	0.00	-0.286	200.00	131.11	12.21	133.45
RB0040B	B	PC100y5d	0.00	0.00	-0.044	185.88	131.83	60.11	133.33
RB0040B	B	PC10y1d	0.00	0.00	-0.111	200.00	130.85	12.36	133.36
RB0040B	B	PC25y1d	0.00	0.00	-0.115	200.00	130.90	12.31	133.38
RB0040B	B	PC2y1d	0.00	0.00	-0.078	200.00	130.65	12.74	133.20
RB0040B	B	PC500y5d	0.00	0.00	-0.060	189.54	132.16	60.10	133.36
RB0040B	B	PC50y1d	0.00	0.00	-0.187	200.00	131.01	12.24	133.42
RB0040C	B	PC100y1d	15.13	20.04	-4.496	200.00	131.11	200.00	131.11
RB0040C	B	PC100y5d	63.67	17.56	-12.425	185.88	131.83	185.90	131.83
RB0040C	B	PC10y1d	15.13	14.71	-2.402	200.00	130.85	200.00	130.85
RB0040C	B	PC25y1d	15.12	15.91	-2.781	200.00	130.90	200.00	130.90
RB0040C	B	PC2y1d	15.15	10.12	-1.139	200.00	130.65	200.00	130.65
RB0040C	B	PC500y5d	63.67	17.58	-17.064	189.54	132.16	189.55	132.16
RB0040C	B	PC50y1d	15.12	17.72	-3.598	200.00	131.01	200.00	131.01
RB0042A	B	PC100y1d	12.63	1.39	0.010	12.63	131.77	12.63	131.40
RB0042A	B	PC100y5d	185.92	1.63	0.002	185.92	131.83	185.92	131.43
RB0042A	B	PC10y1d	12.61	0.48	0.003	12.61	131.48	12.61	131.23
RB0042A	B	PC25y1d	12.62	0.63	0.005	12.62	131.54	12.62	131.26
RB0042A	B	PC2y1d	12.59	0.05	0.001	12.59	131.23	12.58	131.07
RB0042A	B	PC500y5d	189.60	3.28	0.003	189.60	132.16	189.60	131.62

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0042A	B	PC50y1d	12.62	0.99	0.007	12.62	131.66	12.62	131.33
RB0042B	B	PC100y1d	12.63	19.35	-0.113	12.63	131.77	200.00	131.11
RB0042B	B	PC100y5d	60.47	14.53	-0.164	185.92	131.83	185.88	131.83
RB0042B	B	PC10y1d	12.61	14.82	-0.088	12.61	131.48	200.00	130.85
RB0042B	B	PC25y1d	12.62	15.75	-0.094	12.62	131.54	200.00	130.90
RB0042B	B	PC2y1d	12.57	10.93	-0.065	12.59	131.23	200.00	130.65
RB0042B	B	PC500y5d	60.47	17.14	-0.179	189.60	132.16	189.54	132.16
RB0042B	B	PC50y1d	12.62	17.57	-0.102	12.62	131.66	200.00	131.01
RB0042C	B	PC100y1d	0.00	0.00	0.000	12.63	131.77	200.00	131.11
RB0042C	B	PC100y5d	0.00	0.00	0.000	185.92	131.83	185.88	131.83
RB0042C	B	PC10y1d	0.00	0.00	0.000	12.61	131.48	200.00	130.85
RB0042C	B	PC25y1d	0.00	0.00	0.000	12.62	131.54	200.00	130.90
RB0042C	B	PC2y1d	0.00	0.00	0.000	12.59	131.23	200.00	130.65
RB0042C	B	PC500y5d	0.00	0.00	0.000	189.60	132.16	189.54	132.16
RB0042C	B	PC50y1d	0.00	0.00	0.000	12.62	131.66	200.00	131.01
RB0043A	B	PC100y1d	0.00	0.00	0.000	13.00	143.68	200.00	131.11
RB0043A	B	PC100y5d	0.00	0.00	0.000	65.00	143.82	185.88	131.83
RB0043A	B	PC10y1d	0.00	0.00	0.000	13.00	143.43	200.00	130.85
RB0043A	B	PC25y1d	0.00	0.00	0.000	13.00	143.47	200.00	130.90
RB0043A	B	PC2y1d	0.00	0.00	0.000	13.00	143.28	200.00	130.65
RB0043A	B	PC500y5d	0.00	0.00	0.000	65.00	144.13	189.54	132.16
RB0043A	B	PC50y1d	0.00	0.00	0.000	13.00	143.54	200.00	131.01
RB0105A	B	PC100y1d	0.00	0.00	0.000	13.00	140.43	200.00	131.11
RB0105A	B	PC100y5d	0.00	0.00	0.000	64.00	140.90	185.88	131.83
RB0105A	B	PC10y1d	0.00	0.00	0.000	13.00	139.50	200.00	130.85
RB0105A	B	PC25y1d	0.00	0.00	0.000	13.00	139.62	200.00	130.90
RB0105A	B	PC2y1d	0.00	0.00	0.000	12.00	139.20	200.00	130.65
RB0105A	B	PC500y5d	0.00	0.00	0.000	65.00	141.22	189.54	132.16
RB0105A	B	PC50y1d	0.00	0.00	0.000	13.00	139.86	200.00	131.01
RB2020A_CD03	B	PC100y1d	23.17	2.12	0.106	200.00	131.43	200.00	131.43
RB2020A_CD03	B	PC100y5d	66.60	9.76	0.417	178.49	132.28	177.67	132.28
RB2020A_CD03	B	PC10y1d	2.67	0.01	-0.044	200.00	130.73	200.00	130.74
RB2020A_CD03	B	PC25y1d	34.11	0.12	-0.049	200.00	130.83	200.00	130.83
RB2020A_CD03	B	PC2y1d	2.91	0.00	-0.001	200.00	130.38	200.00	130.38
RB2020A_CD03	B	PC500y5d	63.58	13.54	0.392	97.55	132.62	97.54	132.61
RB2020A_CD03	B	PC50y1d	23.75	0.74	0.066	200.00	131.01	200.00	131.01
RB2020B_CD03	B	PC100y1d	23.33	1.85	0.087	200.00	131.43	200.00	131.43
RB2020B_CD03	B	PC100y5d	66.67	9.16	0.362	178.49	132.28	177.67	132.28
RB2020B_CD03	B	PC10y1d	0.00	0.00	-0.034	200.00	130.73	200.00	130.74
RB2020B_CD03	B	PC25y1d	34.11	0.10	-0.039	200.00	130.83	200.00	130.83
RB2020B_CD03	B	PC2y1d	0.00	0.00	-0.001	200.00	130.38	200.00	130.38
RB2020B_CD03	B	PC500y5d	64.35	13.04	0.339	97.55	132.62	97.54	132.61
RB2020B_CD03	B	PC50y1d	23.78	0.63	0.053	200.00	131.01	200.00	131.01

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2020C	B	PC100y1d	0.00	0.00	0.000	200.00	131.43	200.00	131.43
RB2020C	B	PC100y5d	0.00	0.00	0.000	178.49	132.28	177.67	132.28
RB2020C	B	PC10y1d	0.00	0.00	0.000	200.00	130.73	200.00	130.74
RB2020C	B	PC25y1d	0.00	0.00	0.000	200.00	130.83	200.00	130.83
RB2020C	B	PC2y1d	0.00	0.00	0.000	200.00	130.38	200.00	130.38
RB2020C	B	PC500y5d	0.00	0.00	0.000	97.55	132.62	97.54	132.61
RB2020C	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	200.00	131.01
RB2020D	B	PC100y1d	0.00	0.00	-0.075	200.00	131.43	14.11	132.03
RB2020D	B	PC100y5d	162.04	1.46	0.700	178.49	132.28	178.51	132.28
RB2020D	B	PC10y1d	0.00	0.00	-0.008	200.00	130.73	16.90	131.92
RB2020D	B	PC25y1d	0.00	0.00	-0.016	200.00	130.83	15.78	131.94
RB2020D	B	PC2y1d	0.00	0.00	-0.000	200.00	130.38	25.87	131.83
RB2020D	B	PC500y5d	63.15	4.27	-4.045	97.55	132.62	97.53	132.62
RB2020D	B	PC50y1d	0.00	0.00	-0.038	200.00	131.01	14.59	131.99
RB2022A	B	PC100y1d	12.34	1.39	0.012	12.34	132.76	200.00	131.43
RB2022A	B	PC100y5d	60.13	0.82	0.002	60.13	132.73	178.49	132.28
RB2022A	B	PC10y1d	12.58	0.70	0.006	12.58	132.72	200.00	130.73
RB2022A	B	PC25y1d	12.51	0.84	0.007	12.51	132.73	200.00	130.83
RB2022A	B	PC2y1d	13.20	0.18	0.001	13.20	132.67	200.00	130.38
RB2022A	B	PC500y5d	60.12	0.99	0.002	60.12	132.74	97.55	132.62
RB2022A	B	PC50y1d	12.40	1.12	0.010	12.40	132.75	200.00	131.01
RB2030A	B	PC100y1d	12.00	1.69	-0.731	13.73	132.56	13.74	132.58
RB2030A	B	PC100y5d	173.19	1.52	-0.655	61.74	132.58	61.74	132.60
RB2030A	B	PC10y1d	12.00	2.79	0.613	14.19	132.48	14.17	132.49
RB2030A	B	PC25y1d	12.00	2.55	0.666	14.09	132.50	14.07	132.51
RB2030A	B	PC2y1d	12.01	3.17	0.641	14.64	132.40	14.63	132.41
RB2030A	B	PC500y5d	92.09	1.69	1.620	97.57	132.62	61.59	132.65
RB2030A	B	PC50y1d	12.00	2.12	-0.683	13.90	132.53	13.89	132.55
RB2030B	B	PC100y1d	13.73	43.57	0.096	13.73	132.56	200.00	131.43
RB2030B	B	PC100y5d	61.74	48.79	0.063	61.74	132.58	178.49	132.28
RB2030B	B	PC10y1d	14.19	23.91	0.050	14.19	132.48	200.00	130.73
RB2030B	B	PC25y1d	14.09	27.22	0.058	14.09	132.50	200.00	130.83
RB2030B	B	PC2y1d	14.64	11.92	0.022	14.64	132.40	200.00	130.38
RB2030B	B	PC500y5d	61.58	62.48	0.133	97.57	132.62	97.55	132.62
RB2030B	B	PC50y1d	13.90	35.01	0.076	13.90	132.53	200.00	131.01
RB2030C	B	PC100y1d	0.00	0.00	-0.022	13.73	132.56	12.34	132.76
RB2030C	B	PC100y5d	0.00	0.00	-0.003	61.74	132.58	60.13	132.73
RB2030C	B	PC10y1d	0.00	0.00	-0.010	14.19	132.48	12.58	132.72
RB2030C	B	PC25y1d	0.00	0.00	-0.013	14.09	132.50	12.51	132.73
RB2030C	B	PC2y1d	0.00	0.00	-0.002	14.64	132.40	13.20	132.67
RB2030C	B	PC500y5d	0.00	0.00	-0.004	97.57	132.62	60.12	132.74
RB2030C	B	PC50y1d	0.00	0.00	-0.019	13.90	132.53	12.40	132.75

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2040A	B	PC100y1d	13.74	24.20	0.067	13.74	132.58	200.00	131.43
RB2040A	B	PC100y5d	61.74	27.32	0.041	61.74	132.60	178.49	132.28
RB2040A	B	PC10y1d	14.17	11.32	0.028	14.17	132.49	200.00	130.73
RB2040A	B	PC25y1d	14.07	13.69	0.035	14.07	132.51	200.00	130.83
RB2040A	B	PC2y1d	14.63	3.54	0.008	14.63	132.41	200.00	130.38
RB2040A	B	PC500y5d	61.59	36.59	0.059	61.59	132.65	97.55	132.62
RB2040A	B	PC50y1d	13.89	18.73	0.050	13.89	132.55	200.00	131.01
RB2040B	B	PC100y1d	0.00	0.00	-0.019	13.74	132.58	12.34	132.76
RB2040B	B	PC100y5d	0.00	0.00	-0.002	61.74	132.60	60.13	132.73
RB2040B	B	PC10y1d	0.00	0.00	-0.008	14.17	132.49	12.58	132.72
RB2040B	B	PC25y1d	0.00	0.00	-0.010	14.07	132.51	12.51	132.73
RB2040B	B	PC2y1d	0.00	0.00	-0.001	14.63	132.41	13.20	132.67
RB2040B	B	PC500y5d	0.00	0.00	-0.003	61.59	132.65	60.12	132.74
RB2040B	B	PC50y1d	0.00	0.00	-0.015	13.89	132.55	12.40	132.75
RB2050A	B	PC100y1d	200.00	-0.83	-3.638	13.74	131.88	13.74	132.58
RB2050A	B	PC100y5d	165.16	2.23	-3.638	177.78	132.28	61.74	132.60
RB2050A	B	PC10y1d	200.00	-0.82	-3.638	14.17	131.84	14.17	132.49
RB2050A	B	PC25y1d	200.00	-0.83	-3.638	14.07	131.85	14.07	132.51
RB2050A	B	PC2y1d	200.00	-0.81	-3.638	14.63	131.81	14.63	132.41
RB2050A	B	PC500y5d	161.78	3.16	-3.638	97.55	132.61	61.59	132.65
RB2050A	B	PC50y1d	200.00	-0.83	-3.638	13.89	131.87	13.89	132.55
RB2050B_CD02	B	PC100y1d	13.20	10.44	0.026	13.20	131.75	200.00	131.43
RB2050B_CD02	B	PC100y5d	61.82	14.52	-0.161	177.78	132.28	177.67	132.28
RB2050B_CD02	B	PC10y1d	13.29	6.73	0.011	13.29	131.37	13.29	130.79
RB2050B_CD02	B	PC25y1d	13.26	7.43	0.014	13.26	131.45	200.00	130.83
RB2050B_CD02	B	PC2y1d	13.24	4.65	0.009	13.24	131.12	13.24	130.64
RB2050B_CD02	B	PC500y5d	61.38	17.56	0.158	97.55	132.61	97.54	132.61
RB2050B_CD02	B	PC50y1d	13.21	8.87	0.020	13.21	131.60	200.00	131.01
RB2050C_CD02	B	PC100y1d	13.20	10.62	0.027	13.20	131.75	200.00	131.43
RB2050C_CD02	B	PC100y5d	61.86	14.81	-0.178	177.78	132.28	177.67	132.28
RB2050C_CD02	B	PC10y1d	13.29	6.82	0.012	13.29	131.37	13.29	130.79
RB2050C_CD02	B	PC25y1d	13.26	7.53	0.014	13.26	131.45	13.26	130.83
RB2050C_CD02	B	PC2y1d	13.24	4.70	0.009	13.24	131.12	13.24	130.65
RB2050C_CD02	B	PC500y5d	61.42	18.02	0.177	97.55	132.61	97.54	132.61
RB2050C_CD02	B	PC50y1d	13.21	9.01	0.020	13.21	131.60	200.00	131.01
RB2050D	B	PC100y1d	0.00	0.00	0.000	13.20	131.75	200.00	131.43
RB2050D	B	PC100y5d	0.00	0.00	0.000	177.78	132.28	177.67	132.28
RB2050D	B	PC10y1d	0.00	0.00	0.000	13.29	131.37	200.00	130.74
RB2050D	B	PC25y1d	0.00	0.00	0.000	13.26	131.45	200.00	130.83
RB2050D	B	PC2y1d	0.00	0.00	0.000	13.24	131.12	200.00	130.38
RB2050D	B	PC500y5d	0.00	0.00	0.000	97.55	132.61	97.54	132.61
RB2050D	B	PC50y1d	0.00	0.00	0.000	13.21	131.60	200.00	131.01
RB2050E	B	PC100y1d	0.00	0.00	0.000	13.20	131.75	200.00	131.43

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2050E	B	PC100y5d	0.00	0.00	0.000	177.78	132.28	178.49	132.28
RB2050E	B	PC10y1d	0.00	0.00	0.000	13.29	131.37	200.00	130.73
RB2050E	B	PC25y1d	0.00	0.00	0.000	13.26	131.45	200.00	130.83
RB2050E	B	PC2y1d	0.00	0.00	0.000	13.24	131.12	200.00	130.38
RB2050E	B	PC500y5d	0.00	0.00	0.000	97.55	132.61	97.55	132.62
RB2050E	B	PC50y1d	0.00	0.00	0.000	13.21	131.60	200.00	131.01
RB2050F	B	PC100y1d	0.00	0.00	0.000	13.20	131.75	13.73	132.56
RB2050F	B	PC100y5d	0.00	0.00	0.000	177.78	132.28	61.74	132.58
RB2050F	B	PC10y1d	0.00	0.00	0.000	13.29	131.37	14.19	132.48
RB2050F	B	PC25y1d	0.00	0.00	0.000	13.26	131.45	14.09	132.50
RB2050F	B	PC2y1d	0.00	0.00	0.000	13.24	131.12	14.64	132.40
RB2050F	B	PC500y5d	0.00	0.00	0.000	97.55	132.61	97.57	132.62
RB2050F	B	PC50y1d	0.00	0.00	0.000	13.21	131.60	13.90	132.53
RB2055A_CD01	B	PC100y1d	12.19	2.31	0.078	12.19	138.57	167.03	132.25
RB2055A_CD01	B	PC100y5d	60.09	2.05	0.005	60.09	138.56	161.00	132.62
RB2055A_CD01	B	PC10y1d	12.29	1.11	0.071	12.29	138.51	14.45	131.42
RB2055A_CD01	B	PC25y1d	12.25	1.34	0.070	12.25	138.52	14.34	131.45
RB2055A_CD01	B	PC2y1d	13.18	0.21	0.016	13.18	138.43	14.86	131.31
RB2055A_CD01	B	PC500y5d	60.09	2.65	0.007	60.09	138.59	158.01	132.72
RB2055A_CD01	B	PC50y1d	12.25	1.81	0.083	12.25	138.55	14.16	131.50
RB2070A	B	PC100y1d	43.00	3.63	0.101	200.00	131.43	167.00	132.24
RB2070A	B	PC100y5d	206.00	12.66	-0.277	177.67	132.28	161.00	132.62
RB2070A	B	PC10y1d	42.00	2.74	0.093	200.00	130.74	199.00	130.74
RB2070A	B	PC25y1d	40.00	3.05	0.102	200.00	130.83	198.00	130.83
RB2070A	B	PC2y1d	42.00	1.85	0.071	200.00	130.38	197.00	130.38
RB2070A	B	PC500y5d	110.00	16.80	-0.327	97.54	132.61	158.00	132.72
RB2070A	B	PC50y1d	40.00	3.42	0.091	200.00	131.01	198.00	131.01
RB2070B	B	PC100y1d	0.00	0.00	0.000	200.00	131.43	167.00	132.24
RB2070B	B	PC100y5d	0.00	0.00	0.005	177.67	132.28	161.00	132.62
RB2070B	B	PC10y1d	0.00	0.00	0.000	200.00	130.74	199.00	130.74
RB2070B	B	PC25y1d	0.00	0.00	0.000	200.00	130.83	198.00	130.83
RB2070B	B	PC2y1d	0.00	0.00	0.000	200.00	130.38	197.00	130.38
RB2070B	B	PC500y5d	97.54	12.43	0.052	97.54	132.61	158.00	132.72
RB2070B	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	198.00	131.01
RB2112C	B	PC100y1d	140.28	87.02	-0.998	167.00	132.25	167.03	132.25
RB2112C	B	PC100y5d	130.61	32.78	-1.740	160.00	132.63	161.00	132.62
RB2112C	B	PC10y1d	0.00	0.00	-0.058	29.00	131.16	14.45	131.42
RB2112C	B	PC25y1d	0.00	0.00	-0.071	26.00	131.23	14.34	131.45
RB2112C	B	PC2y1d	0.00	0.00	-0.024	148.00	130.86	14.86	131.31
RB2112C	B	PC500y5d	145.00	26.58	-1.926	158.00	132.72	158.01	132.72
RB2112C	B	PC50y1d	0.00	0.00	-0.102	24.00	131.33	14.16	131.50
RB2120A	B	PC100y1d	0.00	0.00	0.000	167.03	132.25	200.00	131.43
RB2120A	B	PC100y5d	0.00	0.00	0.000	161.00	132.62	177.67	132.28

Dewberry Engineers, Inc.  
 01/23/2023



Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2120A	B	PC10y1d	0.00	0.00	0.000	14.45	131.42	200.00	130.74
RB2120A	B	PC25y1d	0.00	0.00	0.000	14.34	131.45	200.00	130.83
RB2120A	B	PC2y1d	0.00	0.00	0.000	14.86	131.31	200.00	130.38
RB2120A	B	PC500y5d	0.00	0.00	0.000	158.01	132.72	97.54	132.61
RB2120A	B	PC50y1d	0.00	0.00	0.000	14.16	131.50	200.00	131.01
RB2120B	B	PC100y1d	0.00	0.00	0.000	167.03	132.25	167.00	132.24
RB2120B	B	PC100y5d	0.00	0.00	0.000	161.00	132.62	161.00	132.62
RB2120B	B	PC10y1d	0.00	0.00	0.000	14.45	131.42	199.00	130.74
RB2120B	B	PC25y1d	0.00	0.00	0.000	14.34	131.45	198.00	130.83
RB2120B	B	PC2y1d	0.00	0.00	0.000	14.86	131.31	197.00	130.38
RB2120B	B	PC500y5d	0.00	0.00	0.000	158.01	132.72	158.00	132.72
RB2120B	B	PC50y1d	0.00	0.00	0.000	14.16	131.50	198.00	131.01
RB2120C	B	PC100y1d	0.00	0.00	0.000	167.03	132.25	13.20	131.75
RB2120C	B	PC100y5d	0.00	0.00	0.000	161.00	132.62	177.78	132.28
RB2120C	B	PC10y1d	0.00	0.00	0.000	14.45	131.42	13.29	131.37
RB2120C	B	PC25y1d	0.00	0.00	0.000	14.34	131.45	13.26	131.45
RB2120C	B	PC2y1d	0.00	0.00	0.000	14.86	131.31	13.24	131.12
RB2120C	B	PC500y5d	0.00	0.00	0.000	158.01	132.72	97.55	132.61
RB2120C	B	PC50y1d	0.00	0.00	0.000	14.16	131.50	13.21	131.60
RB2124B	B	PC100y1d	0.00	0.00	0.000	21.00	132.49	167.03	132.25
RB2124B	B	PC100y5d	0.00	0.00	0.000	64.00	132.83	161.00	132.62
RB2124B	B	PC10y1d	0.00	0.00	0.000	24.00	132.30	14.45	131.42
RB2124B	B	PC25y1d	0.00	0.00	0.000	24.00	132.34	14.34	131.45
RB2124B	B	PC2y1d	0.00	0.00	0.000	24.00	132.13	14.86	131.31
RB2124B	B	PC500y5d	0.00	0.00	0.000	64.00	133.27	158.01	132.72
RB2124B	B	PC50y1d	0.00	0.00	0.000	23.00	132.41	14.16	131.50

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
GWSinkB	B	PC100y1d	0.00	50.00	55.00	0.0000	0	12.11	10.65	0.00	0.00
NB0001	B	PC100y1d	25.50	139.32	143.09	0.0022	6531	12.08	1.16	0.00	0.00
NB0002	B	PC100y1d	25.50	140.57	144.59	0.0015	26078	12.08	3.21	0.00	0.00
NB0003	B	PC100y1d	12.88	142.27	146.60	0.0040	11859	12.08	6.03	11.82	3.17
NB0004	B	PC100y1d	12.10	139.11	144.09	0.0001	13508	12.08	2.92	12.10	2.89
NB0006	B	PC100y1d	12.09	139.11	144.09	0.0001	15215	12.08	4.19	12.09	4.16
NB0007	B	PC100y1d	12.09	139.11	144.09	0.0001	10476	12.08	4.17	12.09	4.14
NB0008	B	PC100y1d	12.86	138.56	143.09	0.0024	5176	12.08	1.64	12.34	0.51
NB0009	B	PC100y1d	12.09	139.12	144.09	0.0001	9526	12.08	4.57	12.09	4.53
NB0010	B	PC100y1d	23.26	131.16	135.10	0.0016	1306408	12.33	148.42	15.06	9.82
NB0011	B	PC100y1d	26.33	137.59	141.40	0.0012	15812	12.75	0.59	0.00	0.00
NB0012	B	PC100y1d	12.25	148.11	153.09	-0.0010	46485	12.08	7.88	11.96	6.72
NB0020	B	PC100y1d	22.98	138.19	141.10	0.0008	2518834	12.25	209.39	22.98	7.84
NB0023	B	PC100y1d	12.21	133.45	135.62	0.0019	59335	11.90	14.11	0.00	0.00
NB0027	B	PC100y1d	12.36	141.15	145.91	0.0012	27170	12.08	5.93	12.36	4.04
NB0028	B	PC100y1d	12.70	140.98	145.70	0.0010	81171	12.17	10.95	12.70	5.22
NB0029	B	PC100y1d	12.17	158.10	163.10	0.0001	4366	12.17	0.49	12.17	0.49
NB0030	B	PC100y1d	200.00	131.11	134.90	0.0004	1847749	13.06	78.64	0.00	0.00
NB0031	B	PC100y1d	12.43	141.65	146.00	0.0015	30405	12.17	8.78	12.43	6.67
NB0033	B	PC100y1d	12.51	147.41	152.00	0.0014	48638	12.17	10.31	12.51	6.33
NB0038	B	PC100y1d	25.58	142.38	146.00	0.0023	51530	12.08	10.89	0.00	0.00
NB0039	B	PC100y1d	12.24	152.57	157.00	0.0012	12325	12.08	4.37	12.24	3.64
NB0040	B	PC100y1d	200.00	131.11	133.02	0.0005	43073239	12.92	1925.32	15.18	16.69
NB0042	B	PC100y1d	12.63	131.77	135.20	0.0044	67108	12.08	37.58	12.63	20.74
NB0043	B	PC100y1d	13.00	143.68	148.09	0.0011	0	0.00	0.00	0.00	0.00
NB0050	B	PC100y1d	24.00	130.24	133.60	0.0007	6	12.63	1.39	0.00	0.00
NB0102	B	PC100y1d	13.00	140.43	144.20	0.0032	0	0.00	0.00	0.00	0.00
NB2010	B	PC100y1d	14.11	132.03	136.25	0.0011	936817	12.25	95.41	0.00	0.00
NB2020	B	PC100y1d	200.00	131.43	134.60	0.0010	3860419	12.50	346.58	27.44	0.71
NB2022	B	PC100y1d	12.34	132.76	137.20	0.0009	55453	12.00	5.43	12.34	1.39
NB2030	B	PC100y1d	13.73	132.56	137.20	0.0007	153931	12.08	17.16	12.01	8.57
NB2040	B	PC100y1d	13.74	132.58	137.20	0.0007	2419282	12.33	171.99	13.77	23.79
NB2050	B	PC100y1d	13.20	131.75	134.60	0.0030	204079	12.08	63.85	13.03	13.14
NB2055	B	PC100y1d	12.19	138.57	141.00	0.0100	622	12.17	2.31	12.19	2.31
NB2070	B	PC100y1d	200.00	131.43	134.60	0.0011	9586481	12.58	815.57	43.00	3.63
NB2112	B	PC100y1d	167.00	132.25	135.10	0.0011	0	0.00	0.00	140.28	87.02
NB2120	B	PC100y1d	167.03	132.25	136.00	0.0009	2159621	12.25	189.77	0.00	0.00
NB2124	B	PC100y1d	21.00	132.49	136.71	0.0009	0	0.00	0.00	0.00	0.00
NB2130	B	PC100y1d	167.00	132.24	134.60	0.0012	1	43.00	3.63	0.00	0.00
GWSinkB	B	PC100y5d	0.00	50.00	55.00	0.0000	0	60.00	5.22	0.00	0.00
NB0001	B	PC100y5d	121.50	139.95	143.09	0.0007	7640	60.00	0.42	0.00	0.00
NB0002	B	PC100y5d	94.08	141.09	144.59	0.0006	30924	60.00	1.44	94.08	0.06
NB0003	B	PC100y5d	66.13	142.80	146.60	0.0012	17857	60.00	2.60	60.13	1.27
NB0004	B	PC100y5d	60.02	139.10	144.09	0.0000	13474	60.00	1.30	60.02	1.29
NB0006	B	PC100y5d	60.02	139.10	144.09	0.0000	15185	60.00	1.85	60.02	1.84
NB0007	B	PC100y5d	60.01	139.10	144.09	0.0000	10448	60.00	1.88	60.01	1.88
NB0008	B	PC100y5d	65.38	138.35	143.09	0.0006	4805	64.00	0.67	60.12	0.45
NB0009	B	PC100y5d	60.01	139.11	144.09	0.0000	9466	60.00	2.11	60.01	2.10
NB0010	B	PC100y5d	186.04	131.83	135.10	0.0007	1616895	60.17	110.19	61.67	13.34

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0011	B	PC100y5d	122.33	138.70	141.40	0.0018	55283	60.08	1.63	0.00	0.00
NB0012	B	PC100y5d	60.00	148.09	153.09	-0.0002	10756	60.00	3.27	60.00	3.27
NB0020	B	PC100y5d	67.98	138.46	141.10	0.0005	2539331	60.17	123.47	67.98	8.23
NB0023	B	PC100y5d	60.11	133.33	135.62	0.0006	58330	59.33	3.53	0.00	0.00
NB0027	B	PC100y5d	60.21	141.05	145.91	0.0002	26643	60.00	2.06	60.21	1.88
NB0028	B	PC100y5d	60.87	140.90	145.70	0.0002	80054	60.08	4.21	60.87	3.18
NB0029	B	PC100y5d	60.08	158.10	163.10	0.0000	4361	60.08	0.25	60.08	0.25
NB0030	B	PC100y5d	185.90	131.83	134.90	0.0004	1889670	61.49	70.39	0.00	0.00
NB0031	B	PC100y5d	60.18	141.59	146.00	0.0004	29861	60.00	5.13	60.18	4.78
NB0033	B	PC100y5d	60.39	147.30	152.00	0.0003	47643	60.08	3.89	60.39	3.32
NB0038	B	PC100y5d	65.14	142.96	146.00	0.0008	54255	60.00	4.20	65.14	1.92
NB0039	B	PC100y5d	60.12	152.47	157.00	0.0002	11937	60.00	1.52	60.12	1.48
NB0040	B	PC100y5d	185.88	131.83	133.02	0.0004	44058080	61.08	1572.79	67.42	6.61
NB0042	B	PC100y5d	185.92	131.83	135.20	0.0013	68981	60.00	18.52	60.49	14.92
NB0043	B	PC100y5d	65.00	143.82	148.09	0.0006	0	0.00	0.00	0.00	0.00
NB0050	B	PC100y5d	68.00	130.64	133.60	0.0005	84	185.92	1.63	0.00	0.00
NB0102	B	PC100y5d	64.00	140.90	144.20	0.0019	0	0.00	0.00	0.00	0.00
NB2010	B	PC100y5d	178.51	132.28	136.25	0.0003	1008761	59.67	24.18	0.00	0.00
NB2020	B	PC100y5d	178.49	132.28	134.60	0.0009	4002003	60.42	291.53	67.70	18.42
NB2022	B	PC100y5d	60.13	132.73	137.20	0.0001	54021	59.42	1.27	60.13	0.82
NB2030	B	PC100y5d	61.74	132.58	137.20	0.0003	154301	60.00	9.26	60.04	4.76
NB2040	B	PC100y5d	61.74	132.60	137.20	0.0003	2422183	60.08	89.69	61.77	26.75
NB2050	B	PC100y5d	177.78	132.28	134.60	0.0013	225790	60.00	40.10	61.89	20.23
NB2055	B	PC100y5d	60.09	138.56	141.00	0.0010	621	60.08	2.06	60.09	2.05
NB2070	B	PC100y5d	177.67	132.28	134.60	0.0008	10531438	60.50	619.22	206.00	12.66
NB2112	B	PC100y5d	160.00	132.63	135.10	0.0006	0	0.00	0.00	130.61	32.78
NB2120	B	PC100y5d	161.00	132.62	136.00	0.0005	2174060	61.00	109.51	0.00	0.00
NB2124	B	PC100y5d	64.00	132.83	136.71	0.0005	0	0.00	0.00	0.00	0.00
NB2130	B	PC100y5d	161.00	132.62	134.60	0.0009	1	206.00	12.66	0.00	0.00
GWSinkB	B	PC10y1d	0.00	50.00	55.00	0.0000	0	12.00	9.89	0.00	0.00
NB0001	B	PC10y1d	25.50	138.96	143.09	0.0010	5896	12.08	0.65	0.00	0.00
NB0002	B	PC10y1d	25.50	140.32	144.59	0.0009	23742	12.08	2.20	0.00	0.00
NB0003	B	PC10y1d	12.73	141.75	146.60	0.0013	6055	12.08	3.99	12.00	4.49
NB0004	B	PC10y1d	12.10	139.10	144.09	0.0001	13489	12.08	1.98	12.10	1.96
NB0006	B	PC10y1d	12.10	139.11	144.09	0.0001	15198	12.08	2.82	12.10	2.80
NB0007	B	PC10y1d	12.10	139.11	144.09	0.0001	10461	12.08	2.88	12.10	2.86
NB0008	B	PC10y1d	12.62	138.27	143.09	-0.0008	4665	12.08	0.99	12.36	0.50
NB0009	B	PC10y1d	12.10	139.11	144.09	0.0001	9495	12.08	3.22	12.10	3.20
NB0010	B	PC10y1d	24.38	130.85	135.10	0.0013	1124601	12.33	104.62	14.81	5.82
NB0011	B	PC10y1d	26.33	136.72	141.40	0.0002	5501	19.67	0.09	0.00	0.00
NB0012	B	PC10y1d	12.29	148.09	153.09	0.0004	12394	12.08	5.01	12.08	5.01
NB0020	B	PC10y1d	19.87	137.98	141.10	0.0006	2502513	12.25	150.70	19.87	7.44
NB0023	B	PC10y1d	12.36	133.36	135.62	0.0037	58570	12.00	22.12	0.00	0.00
NB0027	B	PC10y1d	12.41	141.07	145.91	0.0005	26734	12.08	3.16	12.41	2.21
NB0028	B	PC10y1d	12.78	140.89	145.70	0.0004	79887	12.17	5.95	12.78	2.91
NB0029	B	PC10y1d	12.29	158.10	163.10	0.0001	4362	12.17	0.35	12.17	0.35
NB0030	B	PC10y1d	200.00	130.85	134.90	0.0003	1825506	13.18	54.95	0.00	0.00
NB0031	B	PC10y1d	12.45	141.52	146.00	0.0010	29327	12.08	4.77	12.45	3.15
NB0033	B	PC10y1d	12.57	147.31	152.00	0.0006	47705	12.08	5.56	12.57	3.49

Existing Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0038	B	PC10y1d	25.58	141.95	146.00	0.0011	49479	12.08	6.29	0.00	0.00
NB0039	B	PC10y1d	12.27	152.49	157.00	0.0007	12035	12.08	2.33	12.27	1.96
NB0040	B	PC10y1d	200.00	130.85	133.02	0.0003	42508909	12.92	1369.03	15.18	12.20
NB0042	B	PC10y1d	12.61	131.48	135.20	0.0034	57918	12.08	27.14	12.61	15.30
NB0043	B	PC10y1d	13.00	143.43	148.09	0.0007	0	0.00	0.00	0.00	0.00
NB0050	B	PC10y1d	25.00	130.03	133.60	0.0005	6	12.61	0.48	0.00	0.00
NB0102	B	PC10y1d	13.00	139.50	144.20	-0.0008	0	0.00	0.00	0.00	0.00
NB2010	B	PC10y1d	16.90	131.92	136.25	0.0008	905762	12.25	68.40	0.00	0.00
NB2020	B	PC10y1d	200.00	130.73	134.60	0.0006	3744897	12.42	228.37	2.67	0.01
NB2022	B	PC10y1d	12.58	132.72	137.20	0.0009	53637	12.08	5.42	12.58	0.70
NB2030	B	PC10y1d	14.19	132.48	137.20	0.0005	152094	12.08	12.39	12.02	6.20
NB2040	B	PC10y1d	14.17	132.49	137.20	0.0005	2404533	12.33	125.11	14.20	11.09
NB2050	B	PC10y1d	13.29	131.37	134.60	0.0016	196746	12.08	38.19	13.01	7.20
NB2055	B	PC10y1d	12.29	138.51	141.00	0.0100	617	12.25	1.12	12.29	1.11
NB2070	B	PC10y1d	200.00	130.74	134.60	0.0007	7903778	12.58	558.88	42.00	2.74
NB2112	B	PC10y1d	29.00	131.16	135.10	0.0008	0	0.00	0.00	0.00	0.00
NB2120	B	PC10y1d	14.45	131.42	136.00	0.0006	2127815	12.25	131.76	0.00	0.00
NB2124	B	PC10y1d	24.00	132.30	136.71	0.0006	0	0.00	0.00	0.00	0.00
NB2130	B	PC10y1d	199.00	130.74	134.60	0.0009	9	42.00	2.74	0.00	0.00
GWSinkB	B	PC25y1d	0.00	50.00	55.00	0.0000	0	12.06	10.37	0.00	0.00
NB0001	B	PC25y1d	25.50	139.02	143.09	0.0012	6001	12.08	0.70	0.00	0.00
NB0002	B	PC25y1d	25.50	140.37	144.59	0.0010	24205	12.08	2.37	0.00	0.00
NB0003	B	PC25y1d	12.76	141.85	146.60	0.0018	7150	12.08	4.29	12.05	4.56
NB0004	B	PC25y1d	12.10	139.11	144.09	0.0001	13492	12.08	2.14	12.10	2.12
NB0006	B	PC25y1d	12.10	139.11	144.09	0.0001	15201	12.08	3.04	12.10	3.02
NB0007	B	PC25y1d	12.09	139.11	144.09	0.0001	10464	12.08	3.10	12.09	3.08
NB0008	B	PC25y1d	12.67	138.30	143.09	0.0009	4733	12.08	1.06	12.40	0.50
NB0009	B	PC25y1d	12.09	139.12	144.09	0.0001	9501	12.08	3.47	12.09	3.45
NB0010	B	PC25y1d	24.28	130.92	135.10	0.0013	1161970	12.33	112.74	14.85	6.54
NB0011	B	PC25y1d	26.34	136.97	141.40	0.0003	6059	16.75	0.13	0.00	0.00
NB0012	B	PC25y1d	12.23	148.09	153.09	0.0004	13123	12.08	5.40	12.17	5.73
NB0020	B	PC25y1d	20.30	138.02	141.10	0.0006	2505697	12.25	162.29	20.30	7.53
NB0023	B	PC25y1d	12.31	133.38	135.62	0.0033	58768	11.97	20.32	0.00	0.00
NB0027	B	PC25y1d	12.40	141.08	145.91	0.0005	26784	12.08	3.41	12.40	2.40
NB0028	B	PC25y1d	12.77	140.90	145.70	0.0005	80049	12.17	6.41	12.77	3.17
NB0029	B	PC25y1d	12.23	158.10	163.10	0.0001	4363	12.17	0.38	12.17	0.38
NB0030	B	PC25y1d	200.00	130.90	134.90	0.0003	1833457	13.18	59.59	0.00	0.00
NB0031	B	PC25y1d	12.42	141.54	146.00	0.0009	29455	12.08	5.14	12.42	3.52
NB0033	B	PC25y1d	12.56	147.32	152.00	0.0005	47817	12.08	5.99	12.56	3.80
NB0038	B	PC25y1d	25.59	142.02	146.00	0.0013	49817	12.08	6.78	0.00	0.00
NB0039	B	PC25y1d	12.26	152.50	157.00	0.0006	12067	12.08	2.51	12.26	2.12
NB0040	B	PC25y1d	200.00	130.90	133.02	0.0004	42645020	12.92	1477.55	15.18	13.23
NB0042	B	PC25y1d	12.62	131.54	135.20	0.0033	59859	12.08	29.22	12.62	16.38
NB0043	B	PC25y1d	13.00	143.47	148.09	0.0007	0	0.00	0.00	0.00	0.00
NB0050	B	PC25y1d	24.00	130.07	133.60	0.0005	6	12.62	0.63	0.00	0.00
NB0102	B	PC25y1d	13.00	139.62	144.20	-0.0012	0	0.00	0.00	0.00	0.00
NB2010	B	PC25y1d	15.78	131.94	136.25	0.0009	911497	12.25	73.67	0.00	0.00
NB2020	B	PC25y1d	200.00	130.83	134.60	0.0007	3760406	12.42	248.67	2.61	0.01
NB2022	B	PC25y1d	12.51	132.73	137.20	0.0008	54079	12.08	5.57	12.51	0.84

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB2030	B	PC25y1d	14.09	132.50	137.20	0.0005	152515	12.08	13.35	12.02	6.68
NB2040	B	PC25y1d	14.07	132.51	137.20	0.0006	2407734	12.33	134.47	14.11	13.43
NB2050	B	PC25y1d	13.26	131.45	134.60	0.0017	199725	12.08	41.89	13.04	8.33
NB2055	B	PC25y1d	12.25	138.52	141.00	0.0100	618	12.25	1.34	12.25	1.34
NB2070	B	PC25y1d	200.00	130.83	134.60	0.0008	7921122	12.58	606.26	40.00	3.05
NB2112	B	PC25y1d	26.00	131.23	135.10	0.0008	0	0.00	0.00	0.00	0.00
NB2120	B	PC25y1d	14.34	131.45	136.00	0.0007	2128889	12.25	141.87	0.00	0.00
NB2124	B	PC25y1d	24.00	132.34	136.71	0.0007	0	0.00	0.00	0.00	0.00
NB2130	B	PC25y1d	198.00	130.83	134.60	0.0009	1	40.00	3.05	0.00	0.00
GWSinkB	B	PC2y1d	0.00	50.00	55.00	0.0000	0	12.08	6.96	0.00	0.00
NB0001	B	PC2y1d	25.50	138.72	143.09	0.0009	5459	12.08	0.45	0.00	0.00
NB0002	B	PC2y1d	25.50	140.11	144.59	0.0008	21790	12.08	1.52	0.00	0.00
NB0003	B	PC2y1d	12.08	141.60	146.60	-0.0006	4391	12.08	2.76	12.08	2.76
NB0004	B	PC2y1d	12.10	139.10	144.09	0.0000	13475	12.08	1.37	12.10	1.36
NB0006	B	PC2y1d	12.10	139.10	144.09	0.0001	15186	12.08	1.96	12.10	1.94
NB0007	B	PC2y1d	12.10	139.11	144.09	0.0001	10449	12.08	2.00	12.10	1.98
NB0008	B	PC2y1d	12.39	138.13	143.09	-0.0005	4431	12.08	0.68	11.91	0.50
NB0009	B	PC2y1d	12.10	139.11	144.09	0.0001	9469	12.08	2.23	12.10	2.21
NB0010	B	PC2y1d	199.99	130.65	135.10	0.0011	999200	12.33	72.44	14.76	2.69
NB0011	B	PC2y1d	0.00	136.40	141.40	0.0000	4800	0.00	0.00	0.00	0.00
NB0012	B	PC2y1d	12.08	148.09	153.09	0.0000	10994	12.08	3.47	12.08	3.47
NB0020	B	PC2y1d	18.05	137.82	141.10	0.0004	2487698	12.25	104.35	18.05	6.14
NB0023	B	PC2y1d	12.74	133.20	135.62	0.0038	57246	12.08	20.35	0.00	0.00
NB0027	B	PC2y1d	12.44	141.03	145.91	0.0005	26522	12.08	2.19	12.44	1.46
NB0028	B	PC2y1d	12.84	140.84	145.70	0.0004	79206	12.17	4.12	12.84	1.88
NB0029	B	PC2y1d	12.17	158.10	163.10	0.0000	4361	12.17	0.25	12.17	0.25
NB0030	B	PC2y1d	200.00	130.65	134.90	0.0002	1792596	12.17	35.71	0.00	0.00
NB0031	B	PC2y1d	12.67	141.45	146.00	0.0011	28699	12.08	3.30	12.67	1.55
NB0033	B	PC2y1d	12.62	147.25	152.00	0.0006	47225	12.08	3.85	12.62	2.26
NB0038	B	PC2y1d	25.58	141.66	146.00	0.0009	48106	12.08	4.36	0.00	0.00
NB0039	B	PC2y1d	12.38	152.45	157.00	0.0010	11871	12.08	1.61	12.38	1.17
NB0040	B	PC2y1d	200.00	130.65	133.02	0.0002	41970436	12.92	939.80	15.20	8.29
NB0042	B	PC2y1d	12.59	131.23	135.20	0.0031	47902	12.08	18.79	12.59	10.98
NB0043	B	PC2y1d	13.00	143.28	148.09	0.0004	0	0.00	0.00	0.00	0.00
NB0050	B	PC2y1d	25.00	129.85	133.60	0.0003	6	12.59	0.05	0.00	0.00
NB0102	B	PC2y1d	12.00	139.20	144.20	0.0000	0	0.00	0.00	0.00	0.00
NB2010	B	PC2y1d	25.87	131.83	136.25	0.0006	879580	12.25	47.36	0.00	0.00
NB2020	B	PC2y1d	200.00	130.38	134.60	0.0004	3685060	12.42	151.27	2.91	0.00
NB2022	B	PC2y1d	13.20	132.67	137.20	0.0009	51223	12.08	3.82	13.20	0.18
NB2030	B	PC2y1d	14.64	132.40	137.20	0.0004	150187	12.08	8.58	12.04	4.28
NB2040	B	PC2y1d	14.63	132.41	137.20	0.0004	2390410	12.33	87.40	14.66	3.41
NB2050	B	PC2y1d	13.24	131.12	134.60	0.0014	175327	12.08	23.94	12.96	4.02
NB2055	B	PC2y1d	13.18	138.43	141.00	0.0076	612	12.33	0.38	13.18	0.21
NB2070	B	PC2y1d	200.00	130.38	134.60	0.0005	7836937	12.58	379.89	42.00	1.85
NB2112	B	PC2y1d	148.00	130.86	135.10	0.0005	0	0.00	0.00	0.00	0.00
NB2120	B	PC2y1d	14.86	131.31	136.00	0.0004	2123541	12.25	90.73	0.00	0.00
NB2124	B	PC2y1d	24.00	132.13	136.71	0.0004	0	0.00	0.00	0.00	0.00
NB2130	B	PC2y1d	197.00	130.38	134.60	0.0006	19	42.00	1.85	0.00	0.00
GWSinkB	B	PC500y5d	0.00	50.00	55.00	0.0000	0	59.44	5.09	0.00	0.00

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0001	B	PC500y5d	121.50	140.24	143.09	0.0008	8144	60.00	0.51	0.00	0.00
NB0002	B	PC500y5d	64.09	141.09	144.59	0.0006	30944	60.00	1.72	64.09	0.28
NB0003	B	PC500y5d	64.71	143.75	146.60	0.0021	28514	61.08	6.33	61.22	2.08
NB0004	B	PC500y5d	60.02	139.10	144.09	0.0000	13480	60.00	1.56	60.02	1.55
NB0006	B	PC500y5d	60.01	139.10	144.09	0.0000	15190	60.00	2.21	60.01	2.21
NB0007	B	PC500y5d	60.01	139.11	144.09	0.0000	10453	60.00	2.26	60.01	2.26
NB0008	B	PC500y5d	64.34	140.31	143.09	0.0038	8260	61.08	2.77	64.34	0.67
NB0009	B	PC500y5d	61.01	139.11	144.09	0.0001	9481	61.00	2.67	61.01	2.66
NB0010	B	PC500y5d	189.65	132.16	135.10	0.0008	1699367	60.08	125.45	60.96	13.58
NB0011	B	PC500y5d	97.30	139.38	141.40	0.0010	82222	63.17	2.29	0.00	0.00
NB0012	B	PC500y5d	62.17	148.24	153.09	-0.0008	47215	60.00	3.93	59.43	3.31
NB0020	B	PC500y5d	68.71	138.71	141.10	0.0006	2555430	60.17	148.16	68.71	8.55
NB0023	B	PC500y5d	60.10	133.36	135.62	0.0007	58597	59.33	3.87	0.00	0.00
NB0027	B	PC500y5d	60.20	141.07	145.91	0.0002	26750	60.00	2.48	60.20	2.27
NB0028	B	PC500y5d	60.78	140.93	145.70	0.0003	80456	60.08	5.05	60.78	3.88
NB0029	B	PC500y5d	60.08	158.10	163.10	0.0000	4362	60.08	0.30	60.08	0.30
NB0030	B	PC500y5d	189.55	132.16	134.90	0.0005	1911637	61.42	87.79	0.00	0.00
NB0031	B	PC500y5d	60.17	141.62	146.00	0.0005	30154	60.00	6.15	60.17	5.78
NB0033	B	PC500y5d	60.36	147.33	152.00	0.0003	47898	60.08	4.67	60.36	4.03
NB0038	B	PC500y5d	62.06	143.19	146.00	0.0018	55381	61.08	11.91	62.06	8.22
NB0039	B	PC500y5d	61.16	152.54	157.00	0.0004	12197	61.08	3.01	61.16	2.85
NB0040	B	PC500y5d	189.54	132.16	133.02	0.0005	44385806	61.08	1896.21	65.52	13.49
NB0042	B	PC500y5d	189.60	132.16	135.20	0.0014	77523	60.00	22.23	60.49	17.92
NB0043	B	PC500y5d	65.00	144.13	148.09	0.0007	0	0.00	0.00	0.00	0.00
NB0050	B	PC500y5d	69.00	130.94	133.60	0.0005	103	189.60	3.28	0.00	0.00
NB0102	B	PC500y5d	65.00	141.22	144.20	0.0024	0	0.00	0.00	0.00	0.00
NB2010	B	PC500y5d	97.53	132.62	136.25	0.0004	1088981	63.12	40.69	0.00	0.00
NB2020	B	PC500y5d	97.55	132.62	134.60	0.0011	4115613	60.42	362.06	63.15	30.54
NB2022	B	PC500y5d	60.12	132.74	137.20	0.0002	54491	59.42	1.47	60.12	0.99
NB2030	B	PC500y5d	97.57	132.62	137.20	0.0003	155320	60.00	11.11	60.09	6.56
NB2040	B	PC500y5d	61.59	132.65	137.20	0.0004	2429115	60.08	102.80	61.62	35.85
NB2050	B	PC500y5d	97.55	132.61	134.60	0.0015	252186	60.00	48.66	61.35	25.72
NB2055	B	PC500y5d	60.09	138.59	141.00	0.0012	623	60.08	2.65	60.09	2.65
NB2070	B	PC500y5d	97.54	132.61	134.60	0.0009	10937396	60.50	768.41	97.85	28.41
NB2112	B	PC500y5d	158.00	132.72	135.10	0.0006	0	0.00	0.00	145.00	26.58
NB2120	B	PC500y5d	158.01	132.72	136.00	0.0007	2177812	59.83	141.25	0.00	0.00
NB2124	B	PC500y5d	64.00	133.27	136.71	0.0005	0	0.00	0.00	0.00	0.00
NB2130	B	PC500y5d	158.00	132.72	134.60	0.0010	1	97.85	28.41	0.00	0.00
GWSinkB	B	PC50y1d	0.00	50.00	55.00	0.0000	0	12.06	10.70	0.00	0.00
NB0001	B	PC50y1d	25.50	139.14	143.09	0.0015	6204	12.08	0.80	0.00	0.00
NB0002	B	PC50y1d	25.50	140.46	144.59	0.0013	25106	12.08	2.71	0.00	0.00
NB0003	B	PC50y1d	12.82	142.04	146.60	0.0029	9305	12.08	4.91	11.80	5.15
NB0004	B	PC50y1d	12.10	139.11	144.09	0.0001	13499	12.08	2.44	12.10	2.42
NB0006	B	PC50y1d	12.09	139.11	144.09	0.0001	15207	12.08	3.48	12.09	3.45
NB0007	B	PC50y1d	12.09	139.11	144.09	0.0001	10469	12.08	3.55	12.09	3.52
NB0008	B	PC50y1d	12.76	138.39	143.09	0.0015	4879	12.08	1.21	12.46	0.50
NB0009	B	PC50y1d	12.09	139.12	144.09	0.0001	9513	12.08	3.97	12.09	3.94
NB0010	B	PC50y1d	24.03	131.04	135.10	0.0014	1234884	12.33	129.77	15.07	8.20
NB0011	B	PC50y1d	26.34	137.37	141.40	0.0006	10556	14.08	0.28	0.00	0.00

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0012	B	PC50y1d	12.12	148.09	153.09	0.0005	14490	12.08	6.16	12.06	6.72
NB0020	B	PC50y1d	21.17	138.10	141.10	0.0007	2512156	12.25	185.45	21.17	7.69
NB0023	B	PC50y1d	12.24	133.42	135.62	0.0026	59087	11.94	16.60	0.00	0.00
NB0027	B	PC50y1d	12.39	141.10	145.91	0.0006	26881	12.08	3.89	12.39	2.79
NB0028	B	PC50y1d	12.75	140.93	145.70	0.0006	80365	12.17	7.32	12.75	3.72
NB0029	B	PC50y1d	12.17	158.10	163.10	0.0001	4365	12.17	0.44	12.17	0.44
NB0030	B	PC50y1d	200.00	131.01	134.90	0.0004	1840590	13.17	68.88	0.00	0.00
NB0031	B	PC50y1d	12.48	141.58	146.00	0.0008	29794	12.08	5.87	12.48	4.57
NB0033	B	PC50y1d	12.55	147.34	152.00	0.0008	48033	12.08	6.85	12.55	4.42
NB0038	B	PC50y1d	25.59	142.16	146.00	0.0016	50485	12.08	7.74	0.00	0.00
NB0039	B	PC50y1d	12.26	152.52	157.00	0.0006	12127	12.08	2.86	12.26	2.45
NB0040	B	PC50y1d	200.00	131.01	133.02	0.0004	42907712	12.92	1696.95	15.18	14.70
NB0042	B	PC50y1d	12.62	131.66	135.20	0.0037	63579	12.08	33.40	12.62	18.56
NB0043	B	PC50y1d	13.00	143.54	148.09	0.0008	0	0.00	0.00	0.00	0.00
NB0050	B	PC50y1d	24.00	130.16	133.60	0.0006	6	12.62	0.99	0.00	0.00
NB0102	B	PC50y1d	13.00	139.86	144.20	-0.0018	0	0.00	0.00	0.00	0.00
NB2010	B	PC50y1d	14.59	131.99	136.25	0.0010	925174	12.25	84.25	0.00	0.00
NB2020	B	PC50y1d	200.00	131.01	134.60	0.0008	3791342	12.50	293.57	2.54	0.01
NB2022	B	PC50y1d	12.40	132.75	137.20	0.0008	54841	12.00	5.66	12.40	1.12
NB2030	B	PC50y1d	13.90	132.53	137.20	0.0006	153260	12.08	15.25	12.01	7.62
NB2040	B	PC50y1d	13.89	132.55	137.20	0.0006	2413699	12.33	153.33	13.92	18.40
NB2050	B	PC50y1d	13.21	131.60	134.60	0.0024	201885	12.08	51.03	12.98	10.62
NB2055	B	PC50y1d	12.25	138.55	141.00	0.0100	620	12.25	1.81	12.25	1.81
NB2070	B	PC50y1d	200.00	131.01	134.60	0.0009	8302851	12.59	707.04	40.00	3.42
NB2112	B	PC50y1d	24.00	131.33	135.10	0.0009	0	0.00	0.00	0.00	0.00
NB2120	B	PC50y1d	14.16	131.50	136.00	0.0008	2130924	12.25	164.73	0.00	0.00
NB2124	B	PC50y1d	23.00	132.41	136.71	0.0008	0	0.00	0.00	0.00	0.00
NB2130	B	PC50y1d	198.00	131.01	134.60	0.0011	1	40.00	3.42	0.00	0.00

## Existing Polk City Model Reports



==== Basins =====

Name: BNDRY22                              Node: BNDRY22                              Status: Onsite  
Group: BASE                                 Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                              Peaking Factor: 256.0  
Rainfall File: HH81184                             Storm Duration(hrs): 24.00  
Rainfall Amount (in): 10.000                      Time of Conc(min): 62.69  
                                                      Time Shift(hrs): 0.00  
                                                      Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.915	100.000	100.00	0.095	13.039	0.375	2.047
0.366	25.000	25.00	0.095	13.039	0.375	2.047
1.152	25.000	25.00	5.142	13.039	0.391	2.047
1.254	25.000	25.00	5.142	13.039	0.391	2.047
0.164	10.000	10.00	3.165	13.039	0.385	2.047
0.037	100.000	100.00	3.165	13.039	0.385	2.047
3.456	25.000	25.00	3.165	13.039	0.385	2.047
0.234	10.000	10.00	5.142	13.039	0.391	2.047
2.247	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8102                                 Node: NHH8102                              Status: Onsite  
Group: BASE                                 Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                              Peaking Factor: 256.0  
Rainfall File: HH8102                             Storm Duration(hrs): 24.00  
Rainfall Amount (in): 10.000                      Time of Conc(min): 45.21  
                                                      Time Shift(hrs): 0.00  
                                                      Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.156	0.000	0.00	0.000	13.039	0.852	11.811
0.019	0.000	0.00	0.095	13.039	0.375	2.047
0.296	0.000	0.00	3.165	13.039	0.385	2.047
1.837	0.000	0.00	3.165	13.039	0.385	2.047
3.395	0.000	0.00	1.100	12.992	0.380	4.331

Name: HH8105                                 Node: NH8105                                 Status: Onsite  
Group: BASE                                 Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                              Peaking Factor: 256.0  
Rainfall File: HH8105                             Storm Duration(hrs): 24.00  
Rainfall Amount (in): 10.000                      Time of Conc(min): 35.52  
                                                      Time Shift(hrs): 0.00  
                                                      Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.136	0.000	0.00	0.000	13.039	0.366	2.047
3.961	100.000	100.00	0.000	13.039	0.366	2.047
0.004	0.000	0.00	0.000	13.039	0.366	2.047
1.644	25.000	25.00	0.000	13.039	0.366	2.047
3.228	0.000	0.00	0.000	13.039	0.366	2.047
0.806	0.000	0.00	0.000	13.039	0.366	2.047
5.158	0.000	0.00	0.000	13.039	0.366	2.047
0.234	0.000	0.00	0.000	13.039	0.366	2.047
3.906	100.000	100.00	0.000	13.039	0.366	2.047
6.624	0.000	0.00	0.000	13.039	0.641	11.811
0.026	0.000	0.00	0.000	13.039	0.641	11.811
1.276	0.000	0.00	0.000	13.039	0.641	11.811
0.062	100.000	100.00	0.000	13.039	0.641	11.811

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46.652	100.000	100.00	0.000	13.039	0.641	11.811
0.389	0.000	0.00	0.000	13.039	0.641	11.811
0.000	25.000	25.00	0.000	13.039	0.641	11.811
0.159	0.000	0.00	0.000	13.039	0.852	11.811
2.502	100.000	100.00	0.000	13.039	0.852	11.811
0.650	0.000	0.00	0.000	13.039	0.852	11.811
5.263	0.000	0.00	0.000	13.039	0.852	11.811
93.852	100.000	100.00	0.000	13.039	0.852	11.811
0.280	25.000	25.00	0.000	13.039	0.852	11.811
1.603	0.000	0.00	0.071	13.039	0.401	2.047
0.348	100.000	100.00	0.071	13.039	0.401	2.047
1.249	25.000	25.00	0.071	13.039	0.401	2.047
0.446	0.000	0.00	3.165	13.039	0.385	2.047
0.034	100.000	100.00	3.165	13.039	0.385	2.047
0.436	25.000	25.00	3.165	13.039	0.385	2.047
0.364	0.000	0.00	0.000	13.039	0.366	2.047
0.095	100.000	100.00	0.000	13.039	0.409	2.047
0.129	100.000	100.00	0.000	13.039	0.409	2.047
0.699	0.000	0.00	0.000	13.039	0.409	2.047
1.277	0.000	0.00	5.142	13.039	0.391	2.047
0.039	100.000	100.00	5.142	13.039	0.391	2.047
6.557	25.000	25.00	5.142	13.039	0.391	2.047
12.280	0.000	0.00	2.673	13.039	0.376	2.047
5.429	0.000	0.00	2.673	13.039	0.376	2.047
0.978	100.000	100.00	2.673	13.039	0.376	2.047
1.787	0.000	0.00	0.095	13.039	0.375	2.047
0.586	0.000	0.00	0.095	13.039	0.375	2.047
0.504	100.000	100.00	0.095	13.039	0.375	2.047
0.754	0.000	0.00	0.000	13.039	0.641	11.811
0.986	0.000	0.00	0.000	13.039	0.641	11.811
11.195	100.000	100.00	0.000	13.039	0.641	11.811
1.280	0.000	0.00	0.000	13.039	0.641	11.811
7.014	0.000	0.00	0.000	13.039	0.641	11.811
6.143	100.000	100.00	0.000	13.039	0.641	11.811
7.494	25.000	20.00	3.165	13.039	0.385	2.047
10.758	0.000	0.00	3.165	13.039	0.385	2.047
5.427	0.000	0.00	3.165	13.039	0.385	2.047
3.449	0.000	0.00	3.165	13.039	0.385	2.047
0.118	0.000	0.00	0.091	13.039	0.376	2.047
14.348	0.000	0.00	0.091	13.039	0.376	2.047
4.463	100.000	100.00	0.091	13.039	0.376	2.047
3.642	0.000	0.00	2.673	13.039	0.376	2.047
1.031	25.000	25.00	2.673	13.039	0.376	2.047
0.025	0.000	0.00	1.100	12.992	0.380	4.331
1.032	0.000	0.00	1.310	13.039	0.378	2.047
0.065	0.000	0.00	3.165	13.039	0.385	2.047
0.005	0.000	0.00	0.000	39.370	0.720	0.394
0.077	100.000	100.00	0.000	39.370	0.720	0.394

Name: HH81052  
Group: BASE

Node: NHH81052  
Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
Rainfall File: HH81052  
Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
Storm Duration (hrs): 24.00  
Time of Conc (min): 20.56  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.020	25.000	25.00	3.165	13.039	0.385	2.047
0.028	0.000	0.00	5.142	13.039	0.391	2.047
0.747	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH81053  
Group: BASE

Node: NHH81053  
Type: SCS Unit Hydrograph GA

Status: Onsite

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Unit Hydrograph: Uh256  
 Rainfall File: HH81053  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 25.90  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
3.648	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH81054                      Node: NHH81054                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: HH81054  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 34.69  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.544	0.000	0.00	5.142	13.039	0.391	2.047
5.548	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8116                      Node: NHH8116                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: HH8116  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 29.57  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.002	25.000	20.00	0.000	13.039	0.403	2.402
0.115	100.000	100.00	0.000	13.039	0.403	2.402
0.001	100.000	100.00	0.000	13.039	0.403	2.402
0.171	100.000	100.00	0.000	13.039	0.403	2.402
0.000	25.000	20.00	0.000	13.039	0.403	2.402
7.570	0.000	0.00	0.000	13.039	0.403	2.402
0.066	0.000	0.00	0.000	13.039	0.403	2.402
0.096	25.000	20.00	0.000	13.039	0.403	2.402
0.353	100.000	100.00	0.000	13.039	0.403	2.402
1.760	25.000	25.00	0.000	13.039	0.403	2.402
1.660	100.000	100.00	0.000	13.039	0.403	2.402
3.840	0.000	0.00	0.000	13.039	0.366	2.047
2.927	0.000	0.00	0.000	13.039	0.366	2.047
0.070	0.000	0.00	0.000	13.039	0.366	2.047
9.455	0.000	0.00	0.000	13.039	0.366	2.047
26.534	100.000	100.00	0.000	13.039	0.366	2.047
7.631	0.000	0.00	5.142	13.039	0.391	2.047
0.016	0.000	0.00	0.000	13.039	0.641	11.811
2.260	0.000	0.00	0.000	13.039	0.641	11.811
2.113	0.000	0.00	0.000	13.039	0.641	11.811
4.241	0.000	0.00	0.000	13.039	0.641	11.811
0.074	100.000	100.00	0.000	13.039	0.641	11.811
2.058	0.000	0.00	0.000	13.039	0.641	11.811
2.081	0.000	0.00	0.000	13.039	0.641	11.811
2.342	100.000	100.00	0.000	13.039	0.641	11.811
0.566	100.000	100.00	0.000	13.039	0.641	11.811
1.701	100.000	100.00	0.000	13.039	0.641	11.811
1.674	0.000	0.00	0.000	13.039	0.641	11.811
0.256	100.000	100.00	0.000	13.039	0.641	11.811
0.123	100.000	100.00	0.000	13.039	0.641	11.811
0.570	100.000	100.00	0.000	13.039	0.641	11.811
2.679	100.000	100.00	0.000	13.039	0.641	11.811

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0.630	100.000	100.00	0.000	13.039	0.641	11.811
0.153	100.000	100.00	0.000	13.039	0.641	11.811
0.101	100.000	100.00	0.000	13.039	0.641	11.811
2.848	100.000	100.00	0.000	13.039	0.641	11.811
7.788	0.000	0.00	0.000	13.039	0.641	11.811
6.670	100.000	100.00	0.000	13.039	0.641	11.811
0.338	100.000	100.00	0.000	13.039	0.641	11.811
0.072	100.000	100.00	0.000	13.039	0.641	11.811
1.288	100.000	100.00	0.000	13.039	0.641	11.811
0.005	10.000	10.00	0.000	13.039	0.641	11.811
0.109	0.000	0.00	0.000	13.039	0.641	11.811
0.505	100.000	100.00	0.000	13.039	0.641	11.811
104.295	100.000	100.00	0.000	13.039	0.641	11.811
1.310	0.000	0.00	0.000	13.039	0.641	11.811
29.199	100.000	100.00	0.000	13.039	0.641	11.811
2.785	100.000	100.00	0.000	13.039	0.641	11.811
2.015	0.000	0.00	0.000	13.039	0.641	11.811
0.472	0.000	0.00	0.000	13.039	0.641	11.811
0.000	25.000	25.00	0.000	13.039	0.641	11.811
0.487	0.000	0.00	0.000	13.039	0.641	11.811
38.932	100.000	100.00	0.000	13.039	0.641	11.811
0.412	60.000	0.00	0.000	13.039	0.641	11.811
13.228	0.000	0.00	0.091	13.039	0.376	2.047
0.072	0.000	0.00	0.091	13.039	0.376	2.047
0.532	100.000	100.00	0.091	13.039	0.376	2.047
0.549	10.000	10.00	1.041	13.039	0.376	2.047
0.569	100.000	100.00	1.041	13.039	0.376	2.047
5.836	100.000	100.00	1.041	13.039	0.376	2.047
6.145	0.000	0.00	0.091	13.039	0.376	2.047
0.327	0.000	0.00	0.091	13.039	0.376	2.047
2.437	0.000	0.00	0.091	13.039	0.376	2.047
8.815	0.000	0.00	0.091	13.039	0.376	2.047
1.226	100.000	100.00	0.091	13.039	0.376	2.047
0.012	100.000	100.00	0.091	13.039	0.376	2.047
1.584	100.000	100.00	0.091	13.039	0.376	2.047
7.567	0.000	0.00	0.091	13.039	0.376	2.047
0.302	100.000	100.00	0.091	13.039	0.376	2.047
0.184	85.000	85.00	0.091	13.039	0.376	2.047
0.012	25.000	20.00	0.091	13.039	0.376	2.047
0.212	0.000	0.00	0.091	13.039	0.376	2.047
3.977	0.000	0.00	0.091	13.039	0.376	2.047
2.792	100.000	100.00	0.091	13.039	0.376	2.047
0.689	60.000	0.00	0.091	13.039	0.376	2.047
18.751	0.000	0.00	4.412	13.039	0.374	2.047
5.036	0.000	0.00	1.041	13.039	0.376	2.047
1.977	25.000	20.00	1.041	13.039	0.376	2.047
0.064	100.000	100.00	1.041	13.039	0.376	2.047
2.667	25.000	25.00	1.041	13.039	0.376	2.047
0.702	10.000	10.00	1.310	13.039	0.378	2.047
7.089	0.000	0.00	1.310	13.039	0.378	2.047
1.793	100.000	100.00	1.310	13.039	0.378	2.047
0.028	0.000	0.00	1.310	13.039	0.378	2.047
1.328	0.000	0.00	1.041	13.039	0.376	2.047
0.469	25.000	20.00	1.041	13.039	0.376	2.047
0.414	0.000	0.00	1.041	13.039	0.376	2.047
0.616	100.000	100.00	1.041	13.039	0.376	2.047
0.599	10.000	10.00	5.142	13.039	0.391	2.047
1.145	0.000	0.00	5.142	13.039	0.391	2.047
30.111	10.000	10.00	5.142	13.039	0.391	2.047
2.723	0.000	0.00	5.142	13.039	0.391	2.047
2.183	0.000	0.00	0.071	13.039	0.401	2.047
3.528	100.000	100.00	0.071	13.039	0.401	2.047
2.301	100.000	100.00	0.071	13.039	0.401	2.047
1.086	100.000	100.00	0.000	13.039	0.852	11.811
0.194	100.000	100.00	0.000	13.039	0.852	11.811
1.796	100.000	100.00	0.000	13.039	0.852	11.811
1.448	100.000	100.00	0.000	13.039	0.852	11.811
0.766	100.000	100.00	0.000	13.039	0.852	11.811
0.003	100.000	100.00	0.000	13.039	0.852	11.811
19.182	100.000	100.00	0.000	13.039	0.852	11.811
0.363	10.000	10.00	3.165	13.039	0.385	2.047
0.332	0.000	0.00	3.165	13.039	0.385	2.047
15.309	10.000	10.00	3.165	13.039	0.385	2.047

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7.675	0.000	0.00	3.165	13.039	0.385	2.047
0.600	100.000	100.00	3.165	13.039	0.385	2.047
0.191	100.000	100.00	3.165	13.039	0.385	2.047
7.500	0.000	0.00	3.165	13.039	0.385	2.047
14.883	0.000	0.00	3.242	13.039	0.366	4.331
0.002	25.000	20.00	3.242	13.039	0.366	4.331
0.000	0.000	0.00	3.242	13.039	0.366	4.331
0.809	100.000	100.00	3.242	13.039	0.366	4.331
0.021	100.000	100.00	0.000	13.039	0.852	11.811
0.008	0.000	0.00	0.000	13.039	0.852	11.811
3.055	100.000	100.00	0.000	13.039	0.852	11.811
0.355	100.000	100.00	0.000	13.039	0.852	11.811
0.226	100.000	100.00	0.000	13.039	0.852	11.811
18.282	100.000	100.00	0.000	13.039	0.852	11.811
0.558	100.000	100.00	0.000	13.039	0.852	11.811
8.894	100.000	100.00	0.000	13.039	0.852	11.811
0.235	100.000	100.00	0.000	13.039	0.852	11.811
0.307	100.000	100.00	0.000	13.039	0.852	11.811
0.329	0.000	0.00	0.000	13.039	0.852	11.811
2.232	100.000	100.00	0.000	13.039	0.852	11.811
1.081	100.000	100.00	0.000	13.039	0.852	11.811
0.478	100.000	100.00	0.000	13.039	0.852	11.811
1.290	100.000	100.00	0.000	13.039	0.852	11.811
0.009	0.000	0.00	0.000	13.039	0.852	11.811
1.824	100.000	100.00	0.000	13.039	0.852	11.811
0.029	100.000	100.00	0.000	13.039	0.852	11.811
0.936	0.000	0.00	0.000	13.039	0.852	11.811
2.112	100.000	100.00	0.000	13.039	0.852	11.811
1.604	0.000	0.00	0.000	13.039	0.852	11.811
442.324	100.000	100.00	0.000	13.039	0.852	11.811
7.232	100.000	100.00	0.000	13.039	0.852	11.811
61.062	100.000	100.00	0.000	13.039	0.852	11.811
0.061	100.000	100.00	2.673	13.039	0.376	2.047
5.491	0.000	0.00	2.673	13.039	0.376	2.047
0.542	100.000	100.00	2.673	13.039	0.376	2.047
0.285	10.000	10.00	0.000	13.039	0.366	2.047
2.591	0.000	0.00	0.000	13.039	0.366	2.047
0.157	100.000	100.00	0.000	13.039	0.366	2.047
4.212	100.000	100.00	0.000	13.039	0.366	2.047
0.039	100.000	100.00	0.091	13.039	0.376	2.047
0.098	0.000	0.00	0.091	13.039	0.376	2.047
1.988	100.000	100.00	0.091	13.039	0.376	2.047
2.411	0.000	0.00	1.041	13.039	0.376	2.047
0.018	100.000	100.00	0.091	13.039	0.376	2.047
0.239	100.000	100.00	0.091	13.039	0.376	2.047
0.782	0.000	0.00	0.091	13.039	0.376	2.047
6.152	100.000	100.00	0.091	13.039	0.376	2.047
0.736	100.000	100.00	0.091	13.039	0.376	2.047
8.238	0.000	0.00	0.000	13.039	0.366	2.047
1.094	25.000	25.00	0.000	13.039	0.366	2.047
6.683	0.000	0.00	0.000	13.039	0.366	2.047
0.234	100.000	100.00	0.000	13.039	0.366	2.047
22.401	0.000	0.00	0.000	13.039	0.366	2.047
0.234	100.000	100.00	0.000	13.039	0.366	2.047
0.040	0.000	0.00	0.000	13.039	0.366	2.047
5.946	100.000	100.00	0.000	13.039	0.366	2.047
12.075	100.000	100.00	0.000	13.039	0.366	2.047
3.794	100.000	100.00	0.000	13.039	0.409	2.047
3.960	100.000	100.00	0.000	13.039	0.409	2.047
5.658	0.000	0.00	0.000	13.039	0.409	2.047
0.016	0.000	0.00	5.142	13.039	0.391	2.047
1.077	25.000	25.00	5.142	13.039	0.391	2.047
5.002	0.000	0.00	0.000	13.039	0.641	11.811
2.994	100.000	100.00	0.000	13.039	0.641	11.811
30.619	100.000	100.00	0.000	13.039	0.641	11.811
0.045	0.000	0.00	2.673	13.039	0.376	2.047
3.995	0.000	0.00	2.673	13.039	0.376	2.047
5.825	0.000	0.00	3.242	13.039	0.366	4.331
15.942	0.000	0.00	3.242	13.039	0.366	4.331
0.626	100.000	100.00	3.242	13.039	0.366	4.331
10.964	0.000	0.00	2.673	13.039	0.376	2.047
0.551	0.000	0.00	0.000	13.039	0.641	11.811
0.042	100.000	100.00	0.000	13.039	0.641	11.811

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0.962	0.000	0.00	0.000	13.039	0.366	2.047
0.012	100.000	100.00	0.000	13.039	0.366	2.047
0.399	60.000	0.00	0.000	13.039	0.366	2.047
1.789	0.000	0.00	0.091	13.039	0.376	2.047
0.011	100.000	100.00	0.091	13.039	0.376	2.047
0.372	0.000	0.00	0.217	13.039	0.396	2.047
0.035	60.000	0.00	0.217	13.039	0.396	2.047
0.119	0.000	0.00	0.091	13.039	0.376	2.047
2.778	100.000	100.00	0.091	13.039	0.376	2.047
0.023	0.000	0.00	3.242	13.039	0.366	4.331
0.641	0.000	0.00	3.242	13.039	0.366	4.331
0.006	100.000	0.00	3.242	13.039	0.366	4.331
3.941	0.000	0.00	3.242	13.039	0.366	4.331
0.627	60.000	0.00	3.242	13.039	0.366	4.331
0.041	100.000	100.00	0.000	13.039	0.409	2.047
11.233	100.000	100.00	0.000	13.039	0.409	2.047
6.476	100.000	100.00	0.000	13.039	0.409	2.047
26.021	0.000	0.00	3.165	13.039	0.385	2.047
0.101	100.000	100.00	3.165	13.039	0.385	2.047
8.903	0.000	0.00	1.310	13.039	0.378	2.047
0.098	0.000	0.00	2.673	13.039	0.376	2.047
0.047	25.000	25.00	2.673	13.039	0.376	2.047
0.368	25.000	20.00	0.000	13.039	0.641	11.811
3.970	100.000	100.00	0.000	13.039	0.641	11.811
11.394	100.000	100.00	0.000	13.039	0.641	11.811
4.491	100.000	100.00	0.000	13.039	0.641	11.811
0.034	0.000	0.00	0.000	13.039	0.641	11.811
0.358	0.000	0.00	0.000	13.039	0.641	11.811
1.165	0.000	0.00	0.000	13.039	0.641	11.811
11.098	100.000	100.00	0.000	13.039	0.641	11.811
2.333	100.000	100.00	0.000	13.039	0.641	11.811
29.444	100.000	100.00	0.000	13.039	0.641	11.811
0.060	10.000	10.00	0.000	13.039	0.641	11.811
2.847	25.000	20.00	1.310	13.039	0.378	2.047
0.003	100.000	100.00	1.310	13.039	0.378	2.047
0.095	0.000	0.00	1.310	13.039	0.378	2.047
2.767	100.000	100.00	1.310	13.039	0.378	2.047
1.809	100.000	100.00	1.310	13.039	0.378	2.047
6.021	0.000	0.00	1.310	13.039	0.378	2.047
6.783	0.000	0.00	1.310	13.039	0.378	2.047
2.920	0.000	0.00	1.310	13.039	0.378	2.047
0.909	100.000	100.00	1.310	13.039	0.378	2.047
0.679	100.000	100.00	1.310	13.039	0.378	2.047
2.734	0.000	0.00	1.310	13.039	0.378	2.047
8.466	10.000	10.00	1.310	13.039	0.378	2.047
29.535	0.000	0.00	5.142	13.039	0.391	2.047
0.531	0.000	0.00	5.142	13.039	0.391	2.047
5.876	25.000	20.00	3.165	13.039	0.385	2.047
0.690	0.000	0.00	3.165	13.039	0.385	2.047
5.813	0.000	0.00	3.165	13.039	0.385	2.047
0.480	0.000	0.00	3.165	13.039	0.385	2.047
4.811	0.000	0.00	3.165	13.039	0.385	2.047
4.129	10.000	10.00	3.165	13.039	0.385	2.047
1.039	25.000	20.00	5.142	13.039	0.391	2.047
0.404	0.000	0.00	5.142	13.039	0.391	2.047
1.243	10.000	10.00	5.142	13.039	0.391	2.047
0.009	25.000	20.00	4.412	13.039	0.374	2.047
0.321	0.000	0.00	4.412	13.039	0.374	2.047
4.471	10.000	10.00	4.412	13.039	0.374	2.047
0.760	0.000	0.00	2.673	13.039	0.376	2.047
2.658	10.000	10.00	2.673	13.039	0.376	2.047
0.721	100.000	100.00	1.100	12.992	0.380	4.331
0.001	100.000	100.00	1.100	12.992	0.380	4.331
2.495	10.000	10.00	1.100	12.992	0.380	4.331
0.088	100.000	100.00	0.000	39.370	0.720	0.394
1.405	100.000	100.00	0.000	39.370	0.720	0.394
0.021	100.000	100.00	0.000	39.370	0.720	0.394
0.036	0.000	0.00	0.000	39.370	0.720	0.394
0.014	100.000	100.00	0.000	39.370	0.720	0.394
0.154	100.000	100.00	0.000	39.370	0.720	0.394



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1.510	100.000	100.00	0.000	13.039	0.641	11.811
21.231	100.000	100.00	0.000	13.039	0.641	11.811
0.045	100.000	100.00	0.000	13.039	0.641	11.811
3.188	0.000	0.00	0.000	13.039	0.641	11.811
2.940	100.000	100.00	0.000	13.039	0.641	11.811
0.136	100.000	100.00	0.000	13.039	0.641	11.811
2.067	100.000	100.00	0.000	13.039	0.641	11.811
8.437	100.000	100.00	0.000	13.039	0.641	11.811
0.005	100.000	100.00	1.310	13.039	0.378	2.047
9.084	0.000	0.00	1.310	13.039	0.378	2.047
17.836	0.000	0.00	5.142	13.039	0.391	2.047
2.473	0.000	0.00	5.142	13.039	0.391	2.047
0.416	0.000	0.00	1.041	13.039	0.376	2.047
0.002	100.000	100.00	1.041	13.039	0.376	2.047
0.004	100.000	100.00	1.041	13.039	0.376	2.047
1.633	100.000	100.00	1.041	13.039	0.376	2.047
3.497	0.000	0.00	1.041	13.039	0.376	2.047
23.914	0.000	0.00	1.041	13.039	0.376	2.047
3.192	0.000	0.00	3.242	13.039	0.366	4.331
10.640	100.000	100.00	0.000	13.039	0.852	11.811
0.785	100.000	100.00	0.000	13.039	0.852	11.811
2.479	100.000	100.00	0.000	13.039	0.409	2.047
6.513	0.000	0.00	0.000	13.039	0.409	2.047
1.645	0.000	0.00	1.041	13.039	0.376	2.047
1.136	0.000	0.00	5.142	13.039	0.391	2.047

Name: HH81171 Node: NHH81171 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH81171 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 82.23  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
5.795	10.000	10.00	2.673	13.039	0.376	2.047
4.256	10.000	10.00	0.091	13.039	0.376	2.047
9.204	10.000	10.00	3.165	13.039	0.385	2.047
1.519	10.000	10.00	1.310	13.039	0.378	2.047
0.732	10.000	10.00	5.142	13.039	0.391	2.047
0.471	10.000	10.00	5.142	13.039	0.391	2.047

Name: HH81172 Node: NHH81172 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH81172 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 44.53  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.001	25.000	20.00	0.027	13.039	0.404	2.047
0.490	10.000	10.00	0.027	13.039	0.404	2.047
0.558	10.000	10.00	0.000	13.039	0.852	11.811

Name: HH81173 Node: NHH81173 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH81173 Storm Duration(hrs): 24.00



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Rainfall Amount (in): 10.000

Time of Conc(min): 33.20  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.038	25.000	20.00	3.242	13.039	0.366	4.331
1.554	0.000	0.00	3.242	13.039	0.366	4.331
0.539	25.000	20.00	0.027	13.039	0.404	2.047
0.029	0.000	0.00	0.027	13.039	0.404	2.047
0.174	25.000	20.00	5.142	13.039	0.391	2.047
4.472	0.000	0.00	5.142	13.039	0.391	2.047
1.003	25.000	20.00	3.165	13.039	0.385	2.047

Name: HH8118  
 Group: BASE

Node: NHH8118  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8118  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 38.98  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.025	25.000	20.00	0.000	13.039	0.403	2.402
2.125	0.000	0.00	0.000	13.039	0.403	2.402
0.979	25.000	20.00	0.000	13.039	0.403	2.402
4.702	100.000	100.00	0.000	13.039	0.403	2.402
1.351	25.000	25.00	0.000	13.039	0.403	2.402
1.450	25.000	25.00	0.000	13.039	0.403	2.402
0.939	100.000	100.00	0.000	13.039	0.403	2.402
4.681	100.000	100.00	0.000	13.039	0.403	2.402
6.155	100.000	100.00	0.000	13.039	0.403	2.402
1.522	100.000	100.00	0.000	13.039	0.403	2.402
0.017	2.000	0.00	0.000	13.039	0.403	2.402
0.310	100.000	100.00	0.000	13.039	0.403	2.402
3.115	100.000	100.00	0.000	13.039	0.403	2.402
13.447	100.000	100.00	0.000	13.039	0.403	2.402
5.045	100.000	100.00	0.000	13.039	0.403	2.402
2.198	50.000	0.00	0.000	13.039	0.403	2.402
9.047	100.000	100.00	0.000	13.039	0.403	2.402
1.971	100.000	100.00	0.000	13.039	0.641	11.811
3.346	100.000	100.00	0.000	13.039	0.641	11.811
0.190	100.000	100.00	0.000	13.039	0.641	11.811
6.547	100.000	100.00	0.000	13.039	0.641	11.811
0.869	25.000	25.00	0.000	13.039	0.641	11.811
0.960	0.000	0.00	0.000	13.039	0.641	11.811
0.149	100.000	100.00	0.000	13.039	0.641	11.811
0.303	100.000	100.00	0.000	13.039	0.641	11.811
3.924	100.000	100.00	0.000	13.039	0.641	11.811
2.375	50.000	0.00	0.000	13.039	0.641	11.811
0.018	25.000	25.00	1.164	12.992	0.378	2.047
0.060	100.000	100.00	1.164	12.992	0.378	2.047
0.020	100.000	100.00	1.164	12.992	0.378	2.047
0.364	50.000	0.00	1.164	12.992	0.378	2.047
0.058	100.000	100.00	0.000	13.039	0.403	2.402
0.090	100.000	100.00	0.000	13.039	0.403	2.402
0.030	0.000	0.00	0.000	13.039	0.366	2.047
0.008	100.000	100.00	0.000	13.039	0.366	2.047
2.269	2.000	0.00	0.000	13.039	0.366	2.047
0.043	50.000	0.00	0.000	13.039	0.366	2.047
0.035	100.000	100.00	0.217	13.039	0.396	2.047
0.616	100.000	100.00	0.217	13.039	0.396	2.047
2.688	2.000	0.00	0.217	13.039	0.396	2.047
2.848	25.000	25.00	0.217	13.039	0.396	2.047
0.785	0.000	0.00	0.217	13.039	0.396	2.047
2.790	100.000	100.00	0.091	13.039	0.376	2.047
0.003	100.000	100.00	0.091	13.039	0.376	2.047
0.531	100.000	100.00	0.091	13.039	0.376	2.047

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4.218	2.000	0.00	0.091	13.039	0.376	2.047
1.739	100.000	100.00	0.091	13.039	0.376	2.047
2.349	25.000	25.00	0.091	13.039	0.376	2.047
4.620	100.000	100.00	0.091	13.039	0.376	2.047
0.004	100.000	100.00	0.091	13.039	0.376	2.047
1.189	0.000	0.00	0.091	13.039	0.376	2.047
0.003	50.000	0.00	0.091	13.039	0.376	2.047
0.074	100.000	100.00	0.091	13.039	0.376	2.047
0.031	100.000	100.00	0.000	13.039	0.366	2.047
1.272	25.000	25.00	0.000	13.039	0.366	2.047
0.146	0.000	0.00	4.087	35.008	0.397	2.047
2.392	100.000	100.00	0.000	13.039	0.403	2.402
4.579	100.000	100.00	0.000	13.039	0.403	2.402
1.139	2.000	0.00	0.000	13.039	0.403	2.402
0.746	25.000	25.00	0.000	13.039	0.403	2.402
0.114	50.000	0.00	0.000	13.039	0.403	2.402
0.396	100.000	100.00	0.000	13.039	0.535	11.811
4.809	100.000	100.00	0.000	13.039	0.535	11.811
0.465	100.000	100.00	0.000	13.039	0.535	11.811
0.291	100.000	100.00	0.000	13.039	0.535	11.811
0.007	50.000	0.00	0.000	13.039	0.535	11.811
1.697	100.000	100.00	0.000	13.039	0.535	11.811
0.495	2.000	0.00	0.851	13.039	0.387	2.165
0.007	0.000	0.00	0.000	13.039	0.535	11.811
1.267	100.000	100.00	0.000	13.039	0.535	11.811
10.021	100.000	100.00	0.000	13.039	0.535	11.811
2.391	100.000	100.00	0.000	13.039	0.535	11.811
2.189	100.000	100.00	0.000	13.039	0.535	11.811
0.296	50.000	0.00	0.000	13.039	0.535	11.811
0.003	50.000	0.00	0.027	13.039	0.404	2.047
0.682	100.000	100.00	0.071	13.039	0.401	2.047
2.931	100.000	100.00	0.071	13.039	0.401	2.047
0.001	100.000	100.00	0.071	13.039	0.401	2.047
2.804	0.000	0.00	0.071	13.039	0.401	2.047
0.277	100.000	100.00	0.071	13.039	0.401	2.047
0.612	50.000	0.00	0.071	13.039	0.401	2.047
3.050	25.000	20.00	1.041	13.039	0.376	2.047
0.149	100.000	100.00	1.041	13.039	0.376	2.047
0.952	25.000	25.00	1.041	13.039	0.376	2.047
1.661	25.000	25.00	1.041	13.039	0.376	2.047
0.086	100.000	100.00	1.041	13.039	0.376	2.047
0.015	10.000	10.00	1.310	13.039	0.378	2.047
0.403	100.000	100.00	1.310	13.039	0.378	2.047
1.218	100.000	100.00	1.310	13.039	0.378	2.047
0.379	100.000	100.00	1.310	13.039	0.378	2.047
5.497	0.000	0.00	1.310	13.039	0.378	2.047
0.208	0.000	0.00	1.041	13.039	0.376	2.047
5.940	25.000	20.00	1.041	13.039	0.376	2.047
1.237	0.000	0.00	1.041	13.039	0.376	2.047
0.004	100.000	100.00	1.041	13.039	0.376	2.047
0.148	0.000	0.00	5.142	13.039	0.391	2.047
5.331	10.000	10.00	5.142	13.039	0.391	2.047
6.402	0.000	0.00	5.142	13.039	0.391	2.047
0.711	10.000	10.00	3.165	13.039	0.385	2.047
6.605	0.000	0.00	3.165	13.039	0.385	2.047
1.747	0.000	0.00	3.242	13.039	0.366	4.331
0.031	25.000	20.00	3.242	13.039	0.366	4.331

Name: HH81180  
 Group: BASE

Node: NHH81180  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH81180  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 81.76  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.242	25.000	20.00	0.000	13.039	0.403	2.402

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7.029	0.000	0.00	0.000	13.039	0.403	2.402
1.914	0.000	0.00	0.000	13.039	0.403	2.402
0.104	25.000	25.00	0.000	13.039	0.403	2.402
7.425	100.000	100.00	0.000	13.039	0.403	2.402
1.922	22.600	0.00	0.091	13.039	0.376	2.047
4.260	25.000	20.00	0.091	13.039	0.376	2.047
0.002	0.000	0.00	0.091	13.039	0.376	2.047
9.871	0.000	0.00	0.091	13.039	0.376	2.047
0.016	100.000	100.00	0.091	13.039	0.376	2.047
0.335	25.000	25.00	0.091	13.039	0.376	2.047
2.383	0.000	0.00	0.000	13.039	0.366	2.047
2.436	0.000	0.00	0.000	13.039	0.366	2.047
0.170	25.000	25.00	0.000	13.039	0.366	2.047
0.616	0.000	0.00	0.091	13.039	0.376	2.047
0.004	100.000	100.00	0.091	13.039	0.376	2.047
0.608	0.000	0.00	1.041	13.039	0.376	2.047
0.064	22.600	0.00	0.000	13.039	0.403	2.402
0.026	0.000	0.00	0.000	13.039	0.403	2.402
0.004	100.000	100.00	0.000	13.039	0.403	2.402
0.053	25.000	25.00	0.000	13.039	0.403	2.402
0.073	25.000	25.00	0.000	13.039	0.403	2.402

Name: HH81181 Node: NHH81181 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81181 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000 Time of Conc(min): 70.32  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd(in)
0.965	25.000	20.00	0.091	13.039	0.376	2.047
3.673	0.000	0.00	0.091	13.039	0.376	2.047
0.045	100.000	100.00	0.091	13.039	0.376	2.047
2.821	18.500	11.00	0.091	13.039	0.376	2.047
0.147	25.000	25.00	0.091	13.039	0.376	2.047
0.023	18.500	11.00	0.000	13.039	0.403	2.402
0.061	25.000	25.00	0.000	13.039	0.403	2.402
3.987	25.000	20.00	1.041	13.039	0.376	2.047
2.077	0.000	0.00	1.041	13.039	0.376	2.047
0.207	25.000	25.00	1.041	13.039	0.376	2.047
1.061	0.000	0.00	3.242	13.039	0.366	4.331
0.322	25.000	25.00	3.242	13.039	0.366	4.331
0.136	100.000	100.00	0.000	39.370	0.720	0.394
0.003	18.500	11.00	0.000	39.370	0.720	0.394

Name: HH811811 Node: NHH811811 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81181 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000 Time of Conc(min): 10.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd(in)
0.045	100.000	100.00	0.091	13.039	0.376	2.047
1.618	18.000	9.00	0.091	13.039	0.376	2.047
0.112	100.000	100.00	0.000	39.370	0.720	0.394

Name: HH81182 Node: NHH81182 Status: Onsite

Group: BASE

Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: HH81182  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 41.59  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.192	0.000	0.00	0.000	13.039	0.366	2.047
0.008	100.000	100.00	0.000	13.039	0.366	2.047
1.075	0.000	0.00	0.000	13.039	0.366	2.047
0.001	100.000	100.00	0.000	13.039	0.403	2.402
0.299	0.000	0.00	0.000	13.039	0.403	2.402
0.032	100.000	100.00	0.851	13.039	0.387	2.165
0.393	0.000	0.00	0.851	13.039	0.387	2.165
0.006	0.000	0.00	0.000	39.370	0.720	0.394
0.307	100.000	100.00	0.000	39.370	0.720	0.394
0.079	0.000	0.00	0.000	39.370	0.720	0.394

Name: HH811821  
 Group: BASE

Node: NHH811821  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8118  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 34.46  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.968	50.000	50.00	0.000	13.039	0.366	2.047
0.126	100.000	100.00	0.000	13.039	0.366	2.047
0.433	50.000	50.00	0.851	13.039	0.387	2.165

Name: HH81183  
 Group: BASE

Node: NHH81183  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH81183  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 89.56  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.051	100.000	100.00	1.164	12.992	0.378	2.047
0.001	25.000	25.00	1.164	12.992	0.378	2.047
0.034	100.000	100.00	0.091	13.039	0.376	2.047
1.089	0.000	0.00	0.091	13.039	0.376	2.047
0.060	100.000	100.00	0.000	13.039	0.403	2.402
5.276	100.000	100.00	0.000	13.039	0.403	2.402
0.000	0.000	0.00	0.000	13.039	0.403	2.402
0.161	25.000	25.00	0.217	13.039	0.396	2.047
2.318	100.000	100.00	0.217	13.039	0.396	2.047
3.559	0.000	0.00	0.217	13.039	0.396	2.047
0.667	100.000	100.00	0.091	13.039	0.376	2.047
0.327	100.000	100.00	0.091	13.039	0.376	2.047
0.660	0.000	0.00	0.091	13.039	0.376	2.047
0.003	25.000	25.00	4.087	35.008	0.397	2.047
2.462	0.000	0.00	4.087	35.008	0.397	2.047

Name: HH811831

Node: NHH811831

Status: Onsite

Group: BASE

Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: HH8118  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 48.59  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.039	25.000	25.00	1.164	12.992	0.378	2.047
0.045	100.000	100.00	1.164	12.992	0.378	2.047
1.048	0.000	0.00	1.164	12.992	0.378	2.047
2.303	25.000	25.00	1.164	12.992	0.378	2.047
0.154	100.000	100.00	0.091	13.039	0.376	2.047
4.187	0.000	0.00	0.091	13.039	0.376	2.047
0.269	100.000	100.00	0.000	13.039	0.403	2.402
0.095	0.000	0.00	0.000	13.039	0.403	2.402
0.057	25.000	25.00	0.217	13.039	0.396	2.047
0.019	100.000	100.00	0.217	13.039	0.396	2.047
0.604	25.000	25.00	0.000	13.039	0.366	2.047
1.944	0.000	0.00	0.000	13.039	0.366	2.047
0.018	25.000	25.00	4.087	35.008	0.397	2.047
0.644	0.000	0.00	4.087	35.008	0.397	2.047
0.005	25.000	25.00	0.000	13.039	0.403	2.402

Name: HH81184  
 Group: BASE

Node: NHH81184  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH81184  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 39.43  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.736	25.000	25.00	5.142	13.039	0.391	2.047
0.362	25.000	25.00	5.142	13.039	0.391	2.047
2.275	25.000	25.00	3.165	13.039	0.385	2.047
1.250	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH81185  
 Group: BASE

Node: NHH81185  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH81185  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 33.63  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.007	25.000	25.00	0.000	13.039	0.852	11.811
1.219	25.000	25.00	0.071	13.039	0.401	2.047
0.461	25.000	25.00	3.165	13.039	0.385	2.047
0.565	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH81186  
 Group: BASE

Node: NHH81186  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH81186  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 105.32

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Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
3.047	25.000	25.00	0.000	13.039	0.403	2.402
2.472	25.000	25.00	0.000	13.039	0.641	11.811
1.680	25.000	25.00	1.164	12.992	0.378	2.047

Name: HH81187                              Node: NHH81187                              Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                              Peaking Factor: 256.0  
 Rainfall File: HH81187                              Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000                              Time of Conc (min): 39.76  
                                                                          Time Shift (hrs): 0.00  
                                                                          Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.176	25.000	25.00	0.000	13.039	0.641	11.811
0.531	25.000	25.00	0.027	13.039	0.404	2.047
0.718	25.000	25.00	0.071	13.039	0.401	2.047
0.273	25.000	25.00	1.041	13.039	0.376	2.047

Name: HH81188                              Node: NHH81188                              Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                              Peaking Factor: 256.0  
 Rainfall File: HH81188                              Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000                              Time of Conc (min): 42.22  
                                                                          Time Shift (hrs): 0.00  
                                                                          Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.051	25.000	25.00	0.000	13.039	0.641	11.811
1.004	25.000	25.00	1.041	13.039	0.376	2.047
0.898	25.000	25.00	1.310	13.039	0.378	2.047
1.723	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8119                                  Node: NHH8119                                  Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                              Peaking Factor: 256.0  
 Rainfall File: HH8119                              Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000                              Time of Conc (min): 10.00  
                                                                          Time Shift (hrs): 0.00  
                                                                          Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.324	0.000	0.00	1.100	12.992	0.380	4.331
1.022	100.000	100.00	5.142	13.039	0.391	2.047
1.222	0.000	0.00	5.142	13.039	0.391	2.047
0.195	100.000	100.00	3.165	13.039	0.385	2.047
1.033	0.000	0.00	3.165	13.039	0.385	2.047

Name: HH81192                              Node: NHH81192                              Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: HH81192  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 10.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.167	100.000	100.00	1.100	12.992	0.380	4.331
0.454	100.000	100.00	1.100	12.992	0.380	4.331
1.046	0.000	0.00	1.100	12.992	0.380	4.331
0.011	0.000	0.00	5.142	13.039	0.391	2.047
0.017	100.000	100.00	3.165	13.039	0.385	2.047
1.351	0.000	0.00	3.165	13.039	0.385	2.047
0.726	100.000	100.00	0.000	39.370	0.720	0.394
0.120	100.000	100.00	0.000	39.370	0.720	0.394
0.001	0.000	0.00	0.000	39.370	0.720	0.394

Name: HH8120  
 Group: BASE

Node: NHH8120  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8120  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 33.38  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
5.076	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8125  
 Group: BASE

Node: NHH8125  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8125  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 24.28  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.310	10.000	10.00	0.071	13.039	0.401	2.047
0.124	25.000	20.00	0.071	13.039	0.401	2.047
0.890	0.000	0.00	0.071	13.039	0.401	2.047
0.217	10.000	10.00	3.165	13.039	0.385	2.047
0.134	0.000	0.00	3.165	13.039	0.385	2.047

Name: HH8130  
 Group: BASE

Node: NHH8130  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8130  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 14.99  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.122	60.000	60.00	0.071	13.039	0.401	2.047

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Name: HH8135 Node: NHH8135 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8135 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 22.17  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.421	25.000	25.00	0.071	13.039	0.401	2.047

Name: HH8140 Node: NHH8140 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8140 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 25.66  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.433	50.000	50.00	0.071	13.039	0.401	2.047
0.399	50.000	50.00	3.165	13.039	0.385	2.047

Name: HH8145 Node: NHH8145 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8145 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 22.36  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.038	0.000	0.00	5.142	13.039	0.391	2.047
0.133	50.000	50.00	5.142	13.039	0.391	2.047
0.489	0.000	0.00	3.165	13.039	0.385	2.047
0.874	50.000	50.00	3.165	13.039	0.385	2.047
1.267	0.000	0.00	0.000	13.039	0.366	2.047
0.219	50.000	50.00	0.000	13.039	0.366	2.047
0.046	50.000	50.00	5.142	13.039	0.391	2.047

Name: HH8150 Node: NHH8150 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8150 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 34.88  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.377	0.000	0.00	1.100	12.992	0.380	4.331
0.016	70.000	70.00	1.100	12.992	0.380	4.331
0.033	70.000	70.00	1.310	13.039	0.378	2.047
0.296	0.000	0.00	5.142	13.039	0.391	2.047
0.528	70.000	70.00	5.142	13.039	0.391	2.047
1.585	0.000	0.00	5.142	13.039	0.391	2.047
1.478	70.000	70.00	5.142	13.039	0.391	2.047



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0.040	0.000	0.00	3.165	13.039	0.385	2.047
0.043	70.000	70.00	3.165	13.039	0.385	2.047

Name: HH8155 Node: NHH8155 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8155 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 21.52  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.041	100.000	100.00	0.027	13.039	0.404	2.047
0.000	0.000	0.00	0.027	13.039	0.404	2.047
0.145	70.000	70.00	0.027	13.039	0.404	2.047
0.075	100.000	100.00	0.071	13.039	0.401	2.047
0.098	0.000	0.00	0.071	13.039	0.401	2.047
0.024	70.000	70.00	0.071	13.039	0.401	2.047
0.637	70.000	70.00	1.041	13.039	0.376	2.047
1.396	100.000	100.00	1.310	13.039	0.378	2.047
0.533	0.000	0.00	1.310	13.039	0.378	2.047
0.455	70.000	70.00	1.310	13.039	0.378	2.047

Name: HH8160 Node: NHH8160 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8160 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 19.21  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.093	0.000	0.00	1.310	13.039	0.378	2.047
0.324	70.000	70.00	1.310	13.039	0.378	2.047
0.186	0.000	0.00	3.165	13.039	0.385	2.047
0.092	70.000	70.00	3.165	13.039	0.385	2.047

Name: HH8165 Node: NHH8165 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8165 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 38.25  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
2.170	25.000	25.00	3.165	13.039	0.385	2.047
4.899	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8170 Node: NHH8170 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8170 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 10.28

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Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.038	25.000	25.00	0.000	13.039	0.366	2.047
2.206	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8175 Node: NHH81751 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8175 Storm Duration (hrs): 24.00  
Rainfall Amount (in): 10.000 Time of Conc (min): 24.38  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.115	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8180 Node: NHH8180 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8180 Storm Duration (hrs): 24.00  
Rainfall Amount (in): 10.000 Time of Conc (min): 26.25  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.998	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8181 Node: NHH8181 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8181 Storm Duration (hrs): 24.00  
Rainfall Amount (in): 10.000 Time of Conc (min): 62.02  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
20.855	100.000	100.00	0.000	13.039	0.403	2.402
12.793	100.000	100.00	0.000	13.039	0.403	2.402
2.326	0.000	0.00	0.000	13.039	0.403	2.402
15.210	100.000	100.00	0.000	13.039	0.403	2.402
0.362	100.000	100.00	0.000	13.039	0.403	2.402
1.806	25.000	25.00	0.000	13.039	0.403	2.402
0.057	0.000	0.00	0.000	13.039	0.403	2.402
0.701	0.000	0.00	0.000	13.039	0.403	2.402
0.039	100.000	100.00	1.164	12.992	0.378	2.047
2.014	25.000	25.00	1.164	12.992	0.378	2.047
1.336	100.000	100.00	0.091	13.039	0.376	2.047
2.511	100.000	100.00	0.091	13.039	0.376	2.047
14.279	0.000	0.00	0.091	13.039	0.376	2.047
2.191	100.000	100.00	0.091	13.039	0.376	2.047
4.078	100.000	100.00	0.091	13.039	0.376	2.047
0.390	0.000	0.00	0.091	13.039	0.376	2.047
0.422	25.000	25.00	0.091	13.039	0.376	2.047
2.455	0.000	0.00	0.091	13.039	0.376	2.047
0.156	0.000	0.00	0.095	13.039	0.375	2.047

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7.116	0.000	0.00	1.100	12.992	0.380	4.331
1.447	100.000	100.00	0.000	13.039	0.366	2.047
0.290	100.000	100.00	0.000	13.039	0.366	2.047
0.720	100.000	100.00	0.000	13.039	0.366	2.047
0.901	25.000	25.00	0.000	13.039	0.366	2.047
2.915	0.000	0.00	0.000	13.039	0.366	2.047
0.047	100.000	100.00	0.000	13.039	0.403	2.402
0.141	100.000	100.00	0.000	13.039	0.403	2.402
0.045	100.000	100.00	0.000	13.039	0.403	2.402
0.400	25.000	25.00	0.000	13.039	0.403	2.402
0.161	0.000	0.00	1.553	11.055	0.360	2.047
0.311	100.000	100.00	0.095	13.039	0.375	2.047
2.629	0.000	0.00	0.095	13.039	0.375	2.047
0.119	100.000	100.00	1.553	11.055	0.360	2.047
1.708	0.000	0.00	1.553	11.055	0.360	2.047
0.260	0.000	0.00	2.673	13.039	0.376	2.047
0.000	25.000	25.00	0.000	13.039	0.403	2.402

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Name: NHH8116\_B7                          Node: NHH8116                          Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
 Rainfall File:                                  Storm Duration(hrs): 0.00  
 Rainfall Amount (in): 0.000                          Time of Conc(min): 44.00  
 Area(ac): 11.030                                  Time Shift(hrs): 0.00  
 Curve Number: 84.41                          Max Allowable Q(cfs): 999999.000  
 DCIA(%): 0.00

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Name: NHH81171\_B6                          Node: NHH81171                          Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
 Rainfall File:                                  Storm Duration(hrs): 0.00  
 Rainfall Amount (in): 0.000                          Time of Conc(min): 20.00  
 Area(ac): 2.970                                  Time Shift(hrs): 0.00  
 Curve Number: 76.40                          Max Allowable Q(cfs): 999999.000  
 DCIA(%): 0.00

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Name: NHH81172\_B5                          Node: NHH81172                          Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
 Rainfall File:                                  Storm Duration(hrs): 0.00  
 Rainfall Amount (in): 0.000                          Time of Conc(min): 17.00  
 Area(ac): 1.490                                  Time Shift(hrs): 0.00  
 Curve Number: 88.21                          Max Allowable Q(cfs): 999999.000  
 DCIA(%): 0.00

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Name: NHH81173\_B5                          Node: NHH81173                          Status: Onsite  
 Group: BASE                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
 Rainfall File:                                  Storm Duration(hrs): 0.00  
 Rainfall Amount (in): 0.000                          Time of Conc(min): 31.00  
 Area(ac): 2.400                                  Time Shift(hrs): 0.00  
 Curve Number: 62.35                          Max Allowable Q(cfs): 999999.000  
 DCIA(%): 0.00

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Name: NHH8117\_B6                      Node: NHH8117                      Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File:                              Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                      Time of Conc(min): 60.00  
Area (ac): 29.450                              Time Shift (hrs): 0.00  
Curve Number: 87.83                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NHH81180\_B8                      Node: NHH81180                      Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File:                              Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                      Time of Conc(min): 39.00  
Area (ac): 7.270                              Time Shift (hrs): 0.00  
Curve Number: 90.92                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NHH811811\_B8                      Node: NHH811811                      Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File:                              Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                      Time of Conc(min): 10.00  
Area (ac): 0.100                              Time Shift (hrs): 0.00  
Curve Number: 84.24                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NHH81181\_B8                      Node: NHH81181                      Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File:                              Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                      Time of Conc(min): 36.00  
Area (ac): 7.770                              Time Shift (hrs): 0.00  
Curve Number: 81.66                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NHH8181\_B8                      Node: NHH8181                      Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File:                              Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                      Time of Conc(min): 13.00  
Area (ac): 0.750                              Time Shift (hrs): 0.00  
Curve Number: 90.66                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: NO14212\_B5                      Node: NO14212                      Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File:                              Storm Duration(hrs): 0.00  
Rainfall Amount (in): 0.000                      Time of Conc(min): 32.00  
Area (ac): 1.480                              Time Shift (hrs): 0.00  
Curve Number: 53.35                      Max Allowable Q(cfs): 999999.000

DCIA(%): 0.00

Name: NO14220\_B5                      Node: NO14220                      Status: Onsite  
 Group: BASE                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File:                              Storm Duration(hrs): 0.00  
 Rainfall Amount (in): 0.000                      Time of Conc(min): 10.00  
     Area (ac): 6.020                              Time Shift (hrs): 0.00  
 Curve Number: 62.84                      Max Allowable Q(cfs): 999999.000  
 DCIA(%): 0.00

Name: O14131                              Node: NO14131                      Status: Onsite  
 Group: BASE                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: O14131                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 10.00  
                                                             Time Shift (hrs): 0.00  
                                                             Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.185	85.000	85.00	3.242	13.039	0.366	4.331
1.480	85.000	85.00	1.100	12.992	0.380	4.331
0.065	100.000	100.00	1.100	12.992	0.380	4.331
0.341	85.000	85.00	0.091	13.039	0.376	2.047
0.010	100.000	100.00	0.091	13.039	0.376	2.047

Name: O14136                              Node: NO14136                      Status: Onsite  
 Group: BASE                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: O14136                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 25.01  
                                                             Time Shift (hrs): 0.00  
                                                             Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.304	25.000	20.00	2.673	13.039	0.376	2.047
0.341	0.000	0.00	2.673	13.039	0.376	2.047
0.959	85.000	85.00	3.242	13.039	0.366	4.331
0.480	25.000	20.00	3.242	13.039	0.366	4.331
0.000	25.000	20.00	0.027	13.039	0.404	2.047
0.060	100.000	100.00	5.142	13.039	0.391	2.047
1.079	25.000	20.00	5.142	13.039	0.391	2.047
0.152	0.000	0.00	5.142	13.039	0.391	2.047
1.452	100.000	100.00	0.000	39.370	0.720	0.394
0.074	25.000	20.00	0.000	39.370	0.720	0.394
0.140	100.000	100.00	3.165	13.039	0.385	2.047
2.021	25.000	20.00	3.165	13.039	0.385	2.047
0.050	100.000	100.00	3.242	13.039	0.366	4.331
1.195	25.000	20.00	3.242	13.039	0.366	4.331

Name: O14211                              Node: NO14211                      Status: Onsite  
 Group: BASE                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: O14211                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 26.19

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Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
5.839	10.000	10.00	3.165	13.039	0.385	2.047
2.475	10.000	10.00	1.041	13.039	0.376	2.047
2.246	0.000	0.00	1.041	13.039	0.376	2.047
3.061	0.000	0.00	0.000	13.039	0.852	11.811
2.266	100.000	100.00	0.000	13.039	0.852	11.811

Name: O14212                          Node: NO14212                          Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
Rainfall File: O14212                          Storm Duration (hrs): 24.00  
Rainfall Amount (in): 10.000                          Time of Conc (min): 41.58  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.121	0.000	0.00	3.165	13.039	0.385	2.047
0.202	38.000	25.00	3.165	13.039	0.385	2.047
14.127	10.000	10.00	3.165	13.039	0.385	2.047
0.696	0.000	0.00	1.374	35.008	0.399	2.047
0.181	38.000	25.00	1.374	35.008	0.399	2.047
0.364	10.000	10.00	1.374	35.008	0.399	2.047
0.043	0.000	0.00	1.374	35.008	0.399	2.047
0.763	10.000	10.00	1.041	13.039	0.376	2.047
0.061	0.000	0.00	1.041	13.039	0.376	2.047
1.359	10.000	10.00	5.142	13.039	0.391	2.047

Name: O14220                          Node: NO14220                          Status: Onsite  
Group: BASE                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                          Peaking Factor: 256.0  
Rainfall File: O14220                          Storm Duration (hrs): 24.00  
Rainfall Amount (in): 10.000                          Time of Conc (min): 37.89  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
11.947	10.000	10.00	3.165	13.039	0.385	2.047
0.000	10.000	10.00	1.374	35.008	0.399	2.047
1.885	0.000	0.00	1.374	35.008	0.399	2.047
0.399	100.000	100.00	1.374	35.008	0.399	2.047
1.804	10.000	10.00	1.041	13.039	0.376	2.047
2.147	0.000	0.00	1.041	13.039	0.376	2.047
0.376	100.000	100.00	1.041	13.039	0.376	2.047
0.052	85.000	85.00	0.027	13.039	0.404	2.047
0.010	0.000	0.00	0.027	13.039	0.404	2.047
0.614	100.000	100.00	0.000	13.039	0.852	11.811
0.305	10.000	10.00	0.000	13.039	0.852	11.811
3.400	0.000	0.00	0.000	13.039	0.852	11.811
0.417	85.000	85.00	0.000	13.039	0.852	11.811
10.101	100.000	100.00	0.000	13.039	0.852	11.811
2.495	0.000	0.00	0.000	13.039	0.852	11.811
31.709	100.000	100.00	0.000	13.039	0.852	11.811
0.259	0.000	0.00	0.000	13.039	0.852	11.811
0.368	100.000	100.00	0.000	13.039	0.366	2.047
0.016	25.000	20.00	0.000	13.039	0.366	2.047
4.061	0.000	0.00	0.000	13.039	0.366	2.047
2.997	10.000	10.00	5.142	13.039	0.391	2.047
2.063	0.000	0.00	3.242	13.039	0.366	4.331
0.064	85.000	85.00	1.100	12.992	0.380	4.331

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0.018	100.000	100.00	1.100	12.992	0.380	4.331
0.309	85.000	85.00	0.091	13.039	0.376	2.047
1.965	100.000	100.00	0.091	13.039	0.376	2.047
0.533	0.000	0.00	1.310	13.039	0.378	2.047
0.272	100.000	100.00	1.310	13.039	0.378	2.047
0.070	100.000	100.00	1.310	13.039	0.378	2.047
5.514	10.000	10.00	1.310	13.039	0.378	2.047
0.321	100.000	100.00	1.310	13.039	0.378	2.047
2.714	10.000	10.00	5.142	13.039	0.391	2.047

Name: O14230                      Node: NO14230                      Status: Onsite  
 Group: BASE                        Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: O14230                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000              Time of Conc(min): 11.35  
                                                   Time Shift(hrs): 0.00  
                                                   Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.633	85.000	85.00	3.242	13.039	0.366	4.331
0.005	25.000	20.00	3.242	13.039	0.366	4.331
0.000	0.000	0.00	3.242	13.039	0.366	4.331
0.420	85.000	85.00	0.027	13.039	0.404	2.047
0.003	25.000	20.00	0.027	13.039	0.404	2.047
0.060	0.000	0.00	0.027	13.039	0.404	2.047
0.000	85.000	85.00	0.000	13.039	0.852	11.811
0.014	85.000	85.00	1.100	12.992	0.380	4.331
0.160	85.000	85.00	0.091	13.039	0.376	2.047

Name: O14240                      Node: NO14240                      Status: Onsite  
 Group: BASE                        Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: O14240                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000              Time of Conc(min): 19.23  
                                                   Time Shift(hrs): 0.00  
                                                   Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.044	100.000	100.00	0.000	13.039	0.852	11.811
0.028	85.000	85.00	1.100	12.992	0.380	4.331
0.028	100.000	100.00	1.100	12.992	0.380	4.331
0.257	85.000	85.00	0.091	13.039	0.376	2.047
0.603	100.000	100.00	0.091	13.039	0.376	2.047

Name: O14250                      Node: NO14250                      Status: Onsite  
 Group: BASE                        Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: O14250                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000              Time of Conc(min): 37.08  
                                                   Time Shift(hrs): 0.00  
                                                   Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.161	85.000	85.00	3.242	13.039	0.366	4.331
0.000	25.000	20.00	3.242	13.039	0.366	4.331
0.082	85.000	85.00	0.000	13.039	0.366	2.047
0.204	100.000	100.00	0.000	13.039	0.366	2.047
0.566	25.000	20.00	0.000	13.039	0.366	2.047







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149.000	290.5500
150.000	290.5900
151.000	290.6300
152.000	290.6600
153.000	290.7000
154.000	290.7200
155.000	290.7500
156.000	290.7800
157.000	290.8100
158.000	290.8400
159.000	290.8700
160.000	290.8900
161.000	290.9100
162.000	290.9300
163.000	290.9400
164.000	290.9500

Name: NHH8102                    Base Flow(cfs): 0.000                    Init Stage(ft): 132.250  
 Group: BASE                      Warn Stage(ft): 142.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.000	1.0800
132.000	1.0800
133.000	4.1300
134.000	4.3800
135.000	4.4900
136.000	4.5900
137.000	4.7100
138.000	4.8600
139.000	5.1000
140.000	5.5700
141.000	5.7000

Name: NHH81052                    Base Flow(cfs): 0.000                    Init Stage(ft): 133.120  
 Group: BASE                      Warn Stage(ft): 143.120  
 Type: Stage/Area

Stage (ft)	Area (ac)
133.000	0.0400
136.000	0.0400
137.000	0.4900
138.000	0.5400
139.000	0.5600
140.000	0.5900
141.000	0.6100
142.000	0.6400
143.000	0.8000

Name: NHH81053                    Base Flow(cfs): 0.000                    Init Stage(ft): 134.080  
 Group: BASE                      Warn Stage(ft): 146.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
134.000	0.0020
138.000	0.0300
139.000	0.2900
140.000	0.6600
141.000	1.1400
142.000	1.7400
143.000	2.2400

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144.000	2.7500
145.000	3.0700
146.000	3.4400
147.000	3.6100
148.000	3.6500

Name: NHH81054	Base Flow(cfs): 0.000	Init Stage(ft): 134.840
Group: BASE		Warn Stage(ft): 143.840
Type: Stage/Area		

Stage (ft)	Area (ac)
134.000	0.0020
138.000	0.2600
139.000	0.4500
140.000	0.7500
141.000	2.1400
142.000	3.2100
143.000	4.0700
144.000	4.5000
145.000	4.9500
146.000	5.3700
147.000	5.8200
148.000	6.0900

Name: NHH8116	Base Flow(cfs): 0.000	Init Stage(ft): 131.600
Group: BASE		Warn Stage(ft): 140.850
Type: Stage/Area		

Stage (ft)	Area (ac)
127.000	21.0000
128.000	21.0000
130.000	21.4800
131.000	21.4800
132.000	1057.0900
133.000	1144.8600
134.000	1192.7100
135.000	1234.3000
136.000	1264.6300
137.000	1291.9700
138.000	1315.3000
139.000	1335.3300
140.000	1354.1100
141.000	1370.0100
142.000	1379.8700
143.000	1390.8300
144.000	1396.2100
145.000	1401.0300
146.000	1405.3700
147.000	1409.2600
148.000	1412.8000
149.000	1416.0900
150.000	1418.9600
151.000	1421.7800
152.000	1424.3700
153.000	1426.9500
154.000	1429.5300
155.000	1432.0400
156.000	1434.6400
157.000	1437.1900
158.000	1439.9700
159.000	1442.0600
160.000	1443.8500
161.000	1445.4700
162.000	1447.0100
163.000	1448.6200

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164.000	1449.5200
165.000	1450.3000
166.000	1451.1200
167.000	1451.9000
168.000	1452.6900
169.000	1453.5100
170.000	1454.2700
171.000	1455.0100
172.000	1455.7500
173.000	1456.5500
174.000	1457.3800
175.000	1458.2500
176.000	1459.5800

Name: NHH81161	Base Flow(cfs): 0.000	Init Stage(ft): 135.320
Group: BASE		Warn Stage(ft): 145.590
Type: Stage/Area		

Stage(ft)	Area(ac)
135.000	0.0020
136.000	0.0900
137.000	0.9000
138.000	1.5000
139.000	2.1500
140.000	2.9500
141.000	3.6300
142.000	4.5100
143.000	5.4200
144.000	6.2100
145.000	6.8900
146.000	7.5500
147.000	8.1100
148.000	8.6100
149.000	9.1100
150.000	9.6100
151.000	10.1100
152.000	10.6900
153.000	11.3200
154.000	12.0100
155.000	12.7100
156.000	13.4500
157.000	14.2300
158.000	15.3000
159.000	16.9300
160.000	19.0100
161.000	20.4000
162.000	21.5000
163.000	22.4400
164.000	23.3000
165.000	24.1100
166.000	24.9600
167.000	25.8700
168.000	26.7300
169.000	27.5300
170.000	28.8900
171.000	29.3200
172.000	29.7700
173.000	30.2200
174.000	30.6200
175.000	31.0800
176.000	31.5900

Name: NHH8117	Base Flow(cfs): 0.000	Init Stage(ft): 131.320
Group: BASE		Warn Stage(ft): 140.740
Type: Stage/Area		

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Stage (ft)	Area (ac)
128.000	76.0000
129.000	76.0000
130.000	76.0000
131.000	77.5700
132.000	159.9000
133.000	173.4500
134.000	185.3700
135.000	198.7900
136.000	209.3600
137.000	218.6400
138.000	227.3500
139.000	235.8000
140.000	242.7500
141.000	247.1700
142.000	250.6400
143.000	254.9000
144.000	257.6800
145.000	259.4700
146.000	261.0400
147.000	262.2200
148.000	263.3600
149.000	264.4400
150.000	265.4700
151.000	266.4900
152.000	267.4100
153.000	268.3000
154.000	269.2000
155.000	270.1100
156.000	271.0800
157.000	272.2900
158.000	274.1800
159.000	275.5700
160.000	276.7900
161.000	277.9700
162.000	279.0300
163.000	280.0500
164.000	280.9700
165.000	281.9500
166.000	282.9700
167.000	284.0900
168.000	285.1100
169.000	286.2300
170.000	287.9300
171.000	288.3400
172.000	288.7500
173.000	289.0800
174.000	289.3900
175.000	289.8000
176.000	290.3800

Name: NHH81171                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.410  
 Group: BASE                                  Warn Stage(ft): 143.770  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.000	0.0020
133.000	0.6700
134.000	0.9600
135.000	1.9600
136.000	3.8600
137.000	6.0000
138.000	8.5100
139.000	14.1200
140.000	17.8300
141.000	19.4300
142.000	20.5100
143.000	21.7700

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144.000	21.9500
145.000	21.9600
146.000	21.9800

Name: NHH81172	Base Flow(cfs): 0.000	Init Stage(ft): 131.600
Group: BASE		Warn Stage(ft): 143.000
Type: Stage/Area		

Stage(ft)	Area(ac)
131.600	0.0002
132.000	0.0200
133.000	0.0200
134.000	0.1500
135.000	0.2800
136.000	0.5500
137.000	1.0500

Name: NHH81173	Base Flow(cfs): 0.000	Init Stage(ft): 132.400
Group: BASE		Warn Stage(ft): 138.000
Type: Stage/Area		

Stage(ft)	Area(ac)
132.000	0.0020
133.000	0.0800
134.000	0.0800
135.000	1.4200
136.000	2.8900
137.000	4.1600
138.000	5.1800
139.000	6.2100
140.000	7.1500
141.000	8.1500
142.000	9.0300
143.000	9.8100

Name: NHH8118	Base Flow(cfs): 0.000	Init Stage(ft): 131.000
Group: BASE		Warn Stage(ft): 138.910
Type: Stage/Area		

Stage(ft)	Area(ac)
128.000	43.0000
130.000	43.0000
130.529	43.1732
131.529	123.6190
132.529	141.8380
133.529	155.4400
134.529	163.3820
135.529	169.4840
136.529	174.1060
137.529	176.4320
138.529	179.0080
139.529	181.3880
140.529	182.8370
141.529	184.0530
142.529	184.8710
143.529	185.5110
144.529	185.9670
145.529	186.6640
146.529	187.0490
147.529	187.4180
148.529	187.7330

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149.529	188.0150
150.529	188.2810
151.529	188.5250
152.529	188.7720
153.529	189.0100
154.529	189.2800
155.529	189.6800
156.529	190.0060
157.529	190.3040
158.529	190.5170
159.529	190.6900
160.529	190.8240
161.529	190.9080
162.756	191.0240

```

Name: NHH81180      Base Flow(cfs): 0.000      Init Stage(ft): 131.230
Group: BASE        Warn Stage(ft): 135.000
Type: Stage/Area
    
```

Stage (ft)	Area (ac)
129.000	9.0000
130.000	9.0000
131.202	9.3176
132.202	25.1119
133.202	36.2345
134.202	40.6170
135.205	41.5553

```

Name: NHH81181      Base Flow(cfs): 0.000      Init Stage(ft): 131.230
Group: BASE        Warn Stage(ft): 141.710
Type: Stage/Area
    
```

Stage (ft)	Area (ac)
129.000	0.2003
131.030	0.2003
131.530	0.8190
132.530	3.2696
133.530	7.1482
134.530	10.9286
135.530	13.6926
136.530	15.1676
137.490	15.5378

```

Name: NHH811811     Base Flow(cfs): 0.000      Init Stage(ft): 130.500
Group: BASE        Warn Stage(ft): 135.000
Type: Stage/Area
    
```

New addition

Stage (ft)	Area (ac)
129.000	0.1360
130.450	0.1360
130.950	0.1957
131.950	0.2806
132.950	0.5647
133.950	1.6064
135.132	1.7797

```

Name: NHH81182      Base Flow(cfs): 0.000      Init Stage(ft): 131.110
Group: BASE        Warn Stage(ft): 141.000
Type: Stage/Area
    
```

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Stage(ft)	Area(ac)
128.000	0.9000
130.000	0.9275
131.225	0.9275
132.225	1.7901
133.225	2.2148
134.225	2.2607
135.225	2.3118
136.225	2.3628
137.209	2.3944

Name: NHH811821                 Base Flow(cfs): 0.000             Init Stage(ft): 132.120  
Group: BASE                                                                     Warn Stage(ft): 136.000  
Type: Stage/Area

New addition

Stage(ft)	Area(ac)
131.000	0.4000
131.795	0.4000
132.295	0.4959
133.295	0.6503
134.295	0.7128
135.295	0.8735
136.295	1.3527
137.293	1.5295

Name: NHH81183                 Base Flow(cfs): 0.000             Init Stage(ft): 131.350  
Group: BASE                                                                     Warn Stage(ft): 141.200  
Type: Stage/Area

Stage(ft)	Area(ac)
128.000	4.2000
130.898	4.7290
131.398	4.7290
132.398	9.2650
133.398	15.0570
134.341	16.6710

Name: NHH811831                 Base Flow(cfs): 0.000             Init Stage(ft): 132.170  
Group: BASE                                                                     Warn Stage(ft): 135.000  
Type: Stage/Area

New addition

Stage(ft)	Area(ac)
128.000	1.0000
130.986	1.0000
131.486	1.1077
132.486	2.0678
133.486	7.4110
134.486	9.1173
135.486	9.3882
136.486	9.7635
137.486	10.3220
138.486	10.6348
139.486	10.7053
140.486	10.7645
141.486	10.8230
142.486	10.8764
143.486	10.9343
144.486	10.9854



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145.486	11.0296
146.486	11.0755
147.486	11.1128
148.486	11.1507
149.486	11.1840
150.486	11.2127
151.486	11.2437
152.486	11.2735
153.486	11.3057
154.486	11.3355
155.486	11.3642
156.486	11.3895
157.486	11.4101
158.264	11.4319

---

Name: NHH81184                      Base Flow(cfs): 0.000                      Init Stage(ft): 133.420  
Group: BASE                              Warn Stage(ft): 138.000  
Type: Stage/Area

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Stage (ft)	Area (ac)
133.000	0.0020
134.000	0.1700
135.000	1.0700
136.000	3.0000
137.000	3.7000
138.000	4.0800
139.000	4.4000
140.000	4.6200

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Name: NHH811841                      Base Flow(cfs): 0.000                      Init Stage(ft): 130.720  
Group: BASE                              Warn Stage(ft): 143.420  
Type: Stage/Area

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Stage (ft)	Area (ac)
129.370	0.0100
133.420	0.0100
133.500	0.0100
134.000	0.0600
135.000	0.5000
136.000	1.2000
137.000	1.6500
138.000	2.0000
139.000	2.1500
140.000	2.2500
141.000	2.3000

---

Name: NHH81185                      Base Flow(cfs): 0.000                      Init Stage(ft): 134.900  
Group: BASE                              Warn Stage(ft): 144.900  
Type: Stage/Area

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Stage (ft)	Area (ac)
134.000	0.0020
135.000	0.0500
136.000	0.7200
137.000	2.2200
138.000	2.2500

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Name: NHH811851                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.250  
Group: BASE                              Warn Stage(ft): 144.900  
Type: Stage/Area

Stage (ft)	Area (ac)
131.000	0.0100
134.900	0.0100
135.000	0.0200
136.000	0.3500
137.000	1.0000
138.000	1.1000

Name: NHH81186      Base Flow(cfs): 0.000      Init Stage(ft): 133.100  
 Group: BASE      Warn Stage(ft): 143.250  
 Type: Stage/Area

Stage (ft)	Area (ac)
133.000	0.0200
134.000	0.8400
135.000	2.3900
136.000	5.5100
137.000	6.2900
138.000	7.1900

Name: NHH811861      Base Flow(cfs): 0.000      Init Stage(ft): 130.820  
 Group: BASE      Warn Stage(ft): 143.250  
 Type: Stage/Area

Stage (ft)	Area (ac)
129.000	0.0100
133.000	0.0100
134.000	0.4000
135.000	1.1900
136.000	2.6200
137.000	3.0300
138.000	3.5900

Name: NHH81187      Base Flow(cfs): 0.000      Init Stage(ft): 133.330  
 Group: BASE      Warn Stage(ft): 143.510  
 Type: Stage/Area

Stage (ft)	Area (ac)
133.000	0.0020
134.000	0.6800
135.000	1.3700
136.000	2.7000

Name: NHH811871      Base Flow(cfs): 0.000      Init Stage(ft): 131.000  
 Group: BASE      Warn Stage(ft): 143.510  
 Type: Stage/Area

Stage (ft)	Area (ac)
128.000	0.0040
133.510	0.0040
133.600	0.0100
134.000	0.3400
135.000	0.6900

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136.000 1.2300

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Name: NHH81188 Base Flow(cfs): 0.000 Init Stage(ft): 131.000  
Group: BASE Warn Stage(ft): 143.280  
Type: Stage/Area

Stage(ft)	Area(ac)
128.000	0.0200
133.039	0.0200
134.039	0.5220
135.039	1.1010
136.039	1.8260
137.039	2.5490
138.039	2.8030
139.039	3.1440
140.039	3.3890
141.192	3.6770

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Name: NHH8119 Base Flow(cfs): 0.000 Init Stage(ft): 131.820  
Group: BASE Warn Stage(ft): 141.640  
Type: Stage/Area

Stage(ft)	Area(ac)
127.000	0.0100
130.000	0.0100
131.000	1.0700
132.000	1.3500
133.000	1.4900
134.000	1.6600
135.000	1.9700
136.000	2.3200
137.000	2.5400
138.000	2.7000
139.000	2.8300
140.000	2.9700
141.000	3.0600
142.000	3.1800
143.000	3.2800
144.000	3.3700
145.000	3.4500
146.000	3.5400
147.000	3.7000
148.000	3.7800
149.000	3.8000

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Name: NHH81192 Base Flow(cfs): 0.000 Init Stage(ft): 131.660  
Group: BASE Warn Stage(ft): 141.660  
Type: Stage/Area

Stage(ft)	Area(ac)
131.000	0.0020
132.000	1.6900
133.000	1.9300
134.000	2.1500
135.000	2.3900
136.000	2.5900
137.000	2.7500
138.000	2.8800
139.000	3.0300
140.000	3.1900
141.000	3.4700

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142.000	3.7500
143.000	3.8000
144.000	3.8200
145.000	3.8400
146.000	3.8600
147.000	3.8900

Name: NHH8120	Base Flow(cfs): 0.000	Init Stage(ft): 133.860
Group: BASE		Warn Stage(ft): 145.170
Type: Stage/Area		

Stage(ft)	Area(ac)
133.000	0.0300
134.000	0.0300
135.000	0.2300
136.000	0.5500
137.000	0.7100
138.000	0.8300
139.000	1.0800
140.000	1.4300
141.000	1.6500
142.000	1.9100
143.000	2.3800
144.000	2.9400
145.000	3.5800
146.000	4.5900
147.000	4.9000
148.000	5.0800

Name: NHH8125	Base Flow(cfs): 0.000	Init Stage(ft): 132.290
Group: BASE		Warn Stage(ft): 142.280
Type: Stage/Area		

Stage(ft)	Area(ac)
131.000	0.5000
132.000	0.5000
134.000	0.5900
135.000	1.7900
136.000	2.1400
137.000	2.4000
138.000	2.4500
139.000	2.4800
140.000	2.5000
141.000	2.5200
142.000	2.5400
143.000	2.5600
144.000	2.5700
145.000	2.5800
146.000	2.5900
147.000	2.6000
148.000	2.6100
149.000	2.6200
150.000	2.6200
151.000	2.6300
152.000	2.6300
153.000	2.6400
154.000	2.6400
155.000	2.6400
156.000	2.6400
157.000	2.6400
158.000	2.6500
159.000	2.6500
160.000	2.6500
161.000	2.6500
162.000	2.6600

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163.000	2.6600
164.000	2.6600
165.000	2.6600
166.000	2.6700

Name: NHH8130	Base Flow(cfs): 0.000	Init Stage(ft): 134.610
Group: BASE		Warn Stage(ft): 145.000
Type: Stage/Area		

Stage(ft)	Area(ac)
134.000	0.1900
135.000	0.1900
136.000	0.3800
137.000	1.0800
138.000	1.1200

Name: NHH8135	Base Flow(cfs): 0.000	Init Stage(ft): 135.440
Group: BASE		Warn Stage(ft): 145.440
Type: Stage/Area		

Stage(ft)	Area(ac)
135.000	0.0020
136.000	0.0300
137.000	0.4200

Name: NHH8140	Base Flow(cfs): 0.000	Init Stage(ft): 134.440
Group: BASE		Warn Stage(ft): 144.500
Type: Stage/Area		

Stage(ft)	Area(ac)
134.000	0.0020
135.000	0.1600
136.000	0.3000
137.000	0.7700
138.000	0.8300

Name: NHH8145	Base Flow(cfs): 0.000	Init Stage(ft): 130.720
Group: BASE		Warn Stage(ft): 139.770
Type: Stage/Area		

Stage(ft)	Area(ac)
129.000	0.0600
132.000	0.0600
133.000	0.5700
134.000	1.2500
135.000	1.7800
136.000	2.4700
137.000	2.9000
138.000	3.0400
139.000	3.0600
140.000	3.0700

Name: NHH8150	Base Flow(cfs): 0.000	Init Stage(ft): 133.140
Group: BASE		Warn Stage(ft): 143.140
Type: Stage/Area		



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139.000	3.4300
140.000	3.7700
141.000	4.2000
142.000	4.8200
143.000	5.4100
144.000	5.7600
145.000	6.1100
146.000	6.4500
147.000	6.8600
148.000	7.0700

```

Name: NHH8170           Base Flow(cfs): 0.000       Init Stage(ft): 133.350
Group: BASE              Warn Stage(ft): 144.640
Type: Stage/Area
    
```

Stage (ft)	Area (ac)
133.000	0.0020
134.000	0.8500
135.000	1.1000
136.000	1.3600
137.000	1.6700
138.000	1.8700
139.000	2.0600
140.000	2.2100
141.000	2.2400

```

Name: NHH8175           Base Flow(cfs): 0.000       Init Stage(ft): 133.640
Group: BASE              Warn Stage(ft): 146.130
Type: Stage/Area
    
```

Stage (ft)	Area (ac)
133.000	0.0020
136.130	0.0100
136.200	0.0100
142.000	0.3000
143.000	0.4800
144.000	0.7000
145.000	0.9000
146.000	1.0000
147.000	1.0500

```

Name: NHH81751          Base Flow(cfs): 0.000       Init Stage(ft): 133.640
Group: BASE              Warn Stage(ft): 143.640
Type: Stage/Area
    
```

Stage (ft)	Area (ac)
133.000	0.0020
138.000	0.0400
139.000	0.1700
140.000	0.3400
141.000	0.4600
142.000	0.6500
143.000	0.9900
144.000	1.4300
145.000	1.8100
146.000	2.0300
147.000	2.1100

```

Name: NHH8180           Base Flow(cfs): 0.000       Init Stage(ft): 136.590
Group: BASE              Warn Stage(ft): 140.000
    
```

Type: Stage/Area

Stage (ft)	Area (ac)
136.000	0.0020
137.000	0.0100
138.000	0.1200
139.000	0.2300
140.000	0.3600
141.000	0.5300
142.000	0.7200
143.000	0.9300
144.000	1.1500
145.000	1.3200
146.000	1.5700
147.000	1.9400
148.000	2.0000

---

Name: NHH8181                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.280  
Group: BASE                              Warn Stage(ft): 135.000  
Type: Stage/Area

Stage (ft)	Area (ac)
129.000	9.0000
130.000	9.0000
131.000	9.9100
132.000	81.8000
133.000	90.4700
134.000	97.1800
135.000	98.9900
136.000	100.5600
137.000	102.0700
138.000	103.0900
139.000	103.1800

---

Name: NHH8190                      Base Flow(cfs): 0.000                      Init Stage(ft): 129.000  
Group: BASE                              Warn Stage(ft): 139.060  
Type: Time/Stage

Time (hrs)	Stage (ft)
0.00	129.000
200.00	129.000

---

Name: NO14000                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.410  
Group: BASE                              Warn Stage(ft): 142.000  
Type: Time/Stage

Time (hrs)	Stage (ft)
0.00	132.410
200.00	132.410

---

Name: NO14131                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.600  
Group: BASE                              Warn Stage(ft): 142.000  
Type: Stage/Area

Stage (ft)	Area (ac)
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131.000	0.5500
132.000	0.5500
133.000	0.6300
134.000	0.9000
135.000	1.1200
136.000	1.3900
137.000	1.6700
138.000	2.0800

Name: NO14136	Base Flow(cfs): 0.000	Init Stage(ft): 133.500
Group: BASE		Warn Stage(ft): 144.000
Type: Stage/Area		

Stage (ft)	Area (ac)
133.000	2.0800
134.000	2.0800
135.000	2.5400
136.000	3.3600
137.000	5.6100
138.000	8.1100
139.000	8.3100

Name: NO14211	Base Flow(cfs): 0.000	Init Stage(ft): 132.990
Group: BASE		Warn Stage(ft): 143.000
Type: Stage/Area		

Stage (ft)	Area (ac)
132.000	0.0020
133.000	3.0200
134.000	4.3100
135.000	5.1800
136.000	5.9700
137.000	6.7400
138.000	7.3900
139.000	8.0200
140.000	8.6300
141.000	9.3100
142.000	9.9800
143.000	10.7200
144.000	11.4400
145.000	12.4900
146.000	13.0100
147.000	13.4000
148.000	13.7200
149.000	14.0200
150.000	14.2900
151.000	14.5500
152.000	14.7800
153.000	15.0000
154.000	15.2400
155.000	15.4700
156.000	15.6900
157.000	15.8600

Name: NO14212	Base Flow(cfs): 0.000	Init Stage(ft): 132.090
Group: BASE		Warn Stage(ft): 140.000
Type: Stage/Area		

Stage (ft)	Area (ac)
132.000	0.0020

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134.000	0.0040
135.000	0.1800
136.000	1.4900
137.000	2.1000
138.000	2.6100
139.000	3.1700
140.000	3.7700
141.000	4.4600
142.000	5.3300
143.000	6.3200
144.000	7.3800
145.000	9.5800
146.000	10.5200
147.000	11.1900
148.000	11.8600
149.000	12.5500
150.000	13.2500
151.000	13.8800
152.000	14.4700
153.000	15.0900
154.000	16.1700
155.000	16.8200
156.000	17.3500
157.000	17.8200
158.000	18.4800
159.000	18.9200

Name: NO14220	Base Flow(cfs): 0.000	Init Stage(ft): 131.000
Group: BASE		Warn Stage(ft): 141.000
Type: Stage/Area		

Stage (ft)	Area (ac)
130.000	0.0020
131.000	0.2200
132.000	37.6200
133.000	44.0400
134.000	49.2800
135.000	54.3900
136.000	58.7900
137.000	62.6500
138.000	65.1500
139.000	68.1100
140.000	70.6200
141.000	72.0600
142.000	73.0800
143.000	73.9700
144.000	74.8400
145.000	75.6900
146.000	76.5400
147.000	77.3600
148.000	78.2000
149.000	79.0300
150.000	79.8600
151.000	80.7100
152.000	81.5600
153.000	82.4400
154.000	83.3300
155.000	84.1800
156.000	85.0300
157.000	85.8900
158.000	86.7200
159.000	87.3500
160.000	88.0800
161.000	88.7400
162.000	89.1200

Name: NO14230	Base Flow(cfs): 0.000	Init Stage(ft): 133.580
Group: BASE		Warn Stage(ft): 145.000



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169.996	141.692	0.120000
179.996	141.818	0.120000
189.996	142.305	0.120000
199.996	142.733	0.120000
209.989	142.634	0.120000
219.989	142.596	0.120000
229.989	142.682	0.120000
239.989	142.752	0.120000
249.989	142.986	0.120000
259.989	143.095	0.120000
269.989	143.365	0.120000
279.989	143.412	0.120000
289.983	143.951	0.120000
299.983	144.045	0.120000
309.983	144.310	0.120000
319.983	144.244	0.120000
329.983	144.470	0.120000
339.983	144.600	0.120000
349.983	144.473	0.120000
359.983	144.916	0.120000
369.983	144.863	0.120000
379.983	144.775	0.120000
389.983	145.023	0.120000
399.983	144.975	0.120000
409.983	145.185	0.120000
419.983	145.442	0.120000
429.983	145.400	0.120000
439.981	145.259	0.120000
449.981	145.381	0.120000
459.981	145.355	0.120000
469.981	145.316	0.120000
479.981	145.353	0.120000
489.981	145.297	0.120000
499.981	145.388	0.120000
509.981	145.468	0.120000
519.981	145.606	0.120000
529.981	145.335	0.120000
539.981	144.852	0.120000
549.981	145.172	0.120000
559.981	144.902	0.120000
569.981	145.118	0.120000
579.981	144.898	0.120000
589.981	144.773	0.120000
599.981	144.856	0.120000
609.981	144.591	0.120000
619.981	144.371	0.120000
629.964	144.244	0.120000
639.964	143.998	0.120000
649.964	144.057	0.120000
659.964	143.768	0.120000
669.964	143.776	0.120000
679.482	143.623	0.120000
689.482	143.616	0.120000
699.482	143.491	0.120000
708.592	143.339	0.120000
718.592	143.187	0.120000
728.592	142.875	0.120000
738.592	142.706	0.120000
748.592	142.406	0.120000
758.592	142.228	0.120000
768.592	141.938	0.120000
778.592	141.553	0.120000
788.592	141.563	0.120000
798.592	141.099	0.120000
808.592	140.899	0.120000
818.592	140.600	0.120000
828.592	140.389	0.120000
838.592	140.055	0.120000
848.592	139.732	0.120000
858.592	139.583	0.120000
868.592	139.431	0.120000
878.592	139.361	0.120000
888.592	138.897	0.120000

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898.592	138.755	0.120000
908.592	138.632	0.120000
918.592	138.367	0.120000
928.592	138.135	0.120000
938.592	138.048	0.120000
948.592	137.819	0.120000
958.587	137.681	0.120000
968.587	137.313	0.120000
978.587	137.465	0.120000
988.587	136.923	0.120000
998.587	136.867	0.120000
1008.587	136.656	0.120000
1018.587	136.455	0.120000
1028.587	136.326	0.120000
1038.587	136.310	0.120000
1048.587	136.070	0.120000
1058.587	135.845	0.120000
1068.587	135.760	0.120000
1078.585	135.684	0.120000
1088.585	135.625	0.120000
1098.585	135.502	0.120000
1108.585	135.500	0.120000
1118.585	135.429	0.120000
1128.585	135.522	0.120000
1138.585	135.400	0.120000
1148.585	135.221	0.120000
1158.585	135.296	0.120000
1168.585	135.213	0.120000
1178.585	135.149	0.120000
1188.585	135.169	0.120000
1198.585	135.254	0.120000
1208.584	135.154	0.120000
1218.584	135.217	0.120000
1228.584	135.095	0.120000
1238.584	135.073	0.120000
1248.584	135.096	0.120000
1258.584	135.108	0.120000
1268.584	135.160	0.120000
1278.584	135.202	0.120000
1288.584	135.093	0.120000
1298.584	135.048	0.120000
1308.584	135.189	0.120000
1318.584	134.983	0.120000
1328.584	135.131	0.120000
1338.584	135.128	0.120000
1348.584	135.101	0.120000
1358.584	135.185	0.120000
1368.584	134.982	0.120000
1378.584	134.834	0.120000
1388.584	134.841	0.120000
1398.584	134.747	0.120000
1408.584	134.764	0.120000
1418.584	134.727	0.120000
1428.584	134.880	0.120000
1438.584	134.607	0.120000
1448.584	134.741	0.120000
1458.584	134.808	0.120000
1468.584	134.794	0.120000
1478.584	134.834	0.120000
1488.584	134.881	0.120000
1498.584	134.984	0.120000
1508.584	134.997	0.120000
1518.584	135.150	0.120000
1528.584	135.045	0.120000
1538.584	134.928	0.120000
1548.584	134.944	0.120000
1558.584	134.840	0.120000
1568.584	134.847	0.120000
1578.584	134.801	0.120000
1588.584	134.757	0.120000
1598.584	134.823	0.120000
1608.584	134.889	0.120000
1618.584	134.826	0.120000

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1628.584	134.809	0.120000
1638.584	134.836	0.120000
1648.583	134.811	0.120000
1658.583	134.764	0.120000
1668.583	134.731	0.120000
1678.583	134.896	0.120000
1688.583	134.781	0.120000
1698.583	134.747	0.120000
1708.583	134.872	0.120000
1718.583	134.664	0.120000
1728.583	134.642	0.120000
1738.583	134.756	0.120000
1748.583	134.836	0.120000
1758.583	134.818	0.120000
1768.583	134.764	0.120000
1778.583	134.764	0.120000
1788.583	134.809	0.120000
1798.583	134.487	0.120000
1808.583	134.438	0.120000
1818.583	134.644	0.120000
1828.583	134.474	0.120000
1838.583	134.444	0.120000
1848.583	134.501	0.120000
1858.583	134.154	0.120000
1868.583	134.364	0.120000
1878.583	134.293	0.120000
1888.583	134.372	0.120000
1898.583	134.244	0.120000
1908.583	134.175	0.120000
1918.583	134.207	0.120000
1928.583	134.032	0.120000
1938.583	133.996	0.120000
1948.583	134.033	0.120000
1958.583	133.932	0.120000
1968.583	133.817	0.120000
1978.583	133.833	0.120000
1988.583	133.672	0.120000
1998.583	133.506	0.120000
2008.582	133.503	0.120000
2018.582	133.594	0.120000
2028.582	133.524	0.120000
2038.582	133.631	0.120000
2048.582	133.322	0.120000
2058.582	133.176	0.120000
2068.582	133.149	0.120000
2078.582	132.925	0.120000
2088.582	132.937	0.120000
2098.582	132.829	0.120000
2108.582	132.782	0.120000
2118.582	132.796	0.120000
2128.582	132.737	0.120000
2138.582	132.758	0.120000
2148.582	132.837	0.120000
2158.582	133.130	0.120000
2168.582	133.249	0.120000
2178.582	133.325	0.120000
2188.582	133.313	0.120000
2198.582	133.396	0.120000
2208.582	133.541	0.120000
2218.582	133.636	0.120000
2228.582	133.608	0.120000
2238.582	133.804	0.120000
2248.582	133.854	0.120000
2258.582	133.817	0.120000
2268.582	133.869	0.120000
2278.582	133.912	0.120000
2288.582	134.076	0.120000
2298.582	134.018	0.120000
2308.582	133.946	0.120000
2318.582	133.669	0.120000
2328.582	133.693	0.120000
2338.582	133.710	0.120000
2348.582	133.725	0.120000

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2358.582	133.913	0.120000
2368.582	134.269	0.120000
2378.582	134.358	0.120000
2388.582	134.530	0.120000
2398.582	134.556	0.120000
2408.582	134.510	0.120000
2418.582	134.557	0.120000
2428.580	134.543	0.120000
2438.580	134.659	0.120000
2448.580	134.677	0.120000
2458.580	134.729	0.120000
2468.567	134.757	0.120000
2478.567	134.877	0.120000
2488.567	134.888	0.120000
2498.567	135.040	0.120000
2508.531	135.172	0.120000
2518.531	135.116	0.120000
2528.531	134.758	0.120000
2538.520	134.658	0.120000
2548.520	134.607	0.120000
2557.858	134.530	0.120000
2567.858	135.020	0.120000
2577.858	135.837	0.120000
2587.858	136.233	0.120000
2597.799	136.005	0.120000
2607.366	135.784	0.120000
2617.366	135.820	0.120000
2627.366	136.038	0.120000
2637.366	136.565	0.120000
2647.366	136.775	0.120000
2657.366	137.121	0.120000
2667.366	137.356	0.120000
2677.366	137.794	0.120000
2687.366	137.888	0.120000
2697.366	138.032	0.120000
2707.366	138.297	0.120000
2717.366	138.534	0.120000
2727.366	139.098	0.120000
2737.366	139.450	0.120000
2747.366	139.675	0.120000
2757.366	140.043	0.120000
2767.366	140.272	0.120000
2777.366	140.625	0.120000
2787.366	140.891	0.120000
2797.366	141.160	0.120000
2807.366	141.407	0.120000
2817.366	141.848	0.120000
2827.366	142.228	0.120000
2837.366	142.557	0.120000
2847.366	142.915	0.120000
2857.366	142.854	0.120000
2867.366	143.370	0.120000
2877.366	143.405	0.120000
2887.366	144.063	0.120000
2897.365	143.712	0.120000
2907.365	144.489	0.120000
2917.365	144.691	0.120000
2927.365	145.010	0.120000
2937.365	145.090	0.120000
2947.365	145.301	0.120000
2957.365	145.963	0.120000
2967.365	146.347	0.120000
2977.365	146.559	0.120000
2987.365	146.922	0.120000
2997.361	147.453	0.120000
3007.361	147.691	0.120000
3017.361	148.034	0.120000
3027.361	148.175	0.120000
3037.361	148.533	0.120000
3047.361	149.409	0.120000
3057.361	149.325	0.120000
3067.361	149.435	0.120000
3077.361	149.748	0.120000





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106.455	136.727	0.120000
116.455	136.811	0.120000
126.455	136.791	0.120000
136.431	136.825	0.120000
146.431	136.824	0.120000
156.431	136.802	0.120000
165.427	136.825	0.120000
175.427	136.694	0.120000
185.199	136.637	0.120000
195.199	136.685	0.120000
205.199	136.621	0.120000
215.199	136.714	0.120000
225.199	136.499	0.120000
235.199	136.571	0.120000
245.199	136.478	0.120000
255.199	136.402	0.120000
265.191	136.695	0.120000
275.191	136.553	0.120000
285.191	136.559	0.120000
295.191	136.807	0.120000
305.191	136.802	0.120000
315.191	136.765	0.120000
325.191	136.799	0.120000
335.191	136.803	0.120000
345.191	136.835	0.120000
355.176	136.832	0.120000
365.176	136.826	0.120000
375.176	136.852	0.120000
385.176	136.843	0.120000
395.176	136.751	0.120000
405.176	136.798	0.120000
415.176	136.737	0.120000
425.176	136.671	0.120000
435.176	136.718	0.120000
445.176	136.706	0.120000
455.176	136.700	0.120000
465.176	136.718	0.120000
475.176	136.473	0.120000
485.176	136.581	0.120000
495.176	136.454	0.120000
505.176	136.325	0.120000
515.156	136.559	0.120000
525.156	136.551	0.120000
535.156	136.533	0.120000
545.156	136.763	0.120000
555.156	136.903	0.120000
565.156	136.870	0.120000
575.156	136.793	0.120000
585.156	136.942	0.120000
595.156	136.859	0.120000
605.156	136.868	0.120000
615.156	137.048	0.120000
625.156	137.125	0.120000
635.156	136.979	0.120000
645.156	136.923	0.120000
655.156	136.956	0.120000
665.149	136.993	0.120000
675.149	137.134	0.120000
685.149	136.931	0.120000
695.149	136.986	0.120000
705.149	136.855	0.120000
715.149	136.933	0.120000
725.149	136.972	0.120000
735.149	136.934	0.120000
745.149	136.940	0.120000
755.149	136.956	0.120000
765.149	136.953	0.120000
775.149	137.022	0.120000
785.149	137.001	0.120000
795.149	136.939	0.120000
805.149	137.070	0.120000
815.149	136.962	0.120000
825.149	136.969	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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835.149	136.938	0.120000
845.149	137.079	0.120000
855.149	137.045	0.120000
865.149	136.958	0.120000
875.149	136.926	0.120000
885.149	136.920	0.120000
895.146	137.034	0.120000
905.146	137.034	0.120000
915.146	137.011	0.120000
925.146	136.909	0.120000
935.146	136.974	0.120000
945.146	136.907	0.120000
955.146	136.934	0.120000
965.146	136.876	0.120000
975.146	137.028	0.120000
985.146	136.911	0.120000
995.146	136.901	0.120000
1005.146	136.981	0.120000
1015.146	136.979	0.120000
1025.146	136.959	0.120000
1035.146	137.094	0.120000
1045.146	136.982	0.120000
1055.146	136.935	0.120000
1065.146	136.923	0.120000
1075.146	136.892	0.120000
1085.146	136.787	0.120000
1095.146	136.801	0.120000
1105.146	136.831	0.120000
1115.146	136.781	0.120000
1125.146	136.709	0.120000
1135.146	136.697	0.120000
1145.146	136.674	0.120000
1155.146	136.540	0.120000
1165.146	136.808	0.120000
1175.146	136.579	0.120000
1185.146	136.705	0.120000
1195.146	136.709	0.120000
1205.146	136.670	0.120000
1215.131	136.602	0.120000
1225.131	136.682	0.120000
1235.131	136.580	0.120000
1245.131	136.804	0.120000
1255.131	136.702	0.120000
1265.131	136.750	0.120000
1275.131	136.525	0.120000
1285.131	136.766	0.120000
1295.131	136.681	0.120000
1305.131	136.734	0.120000
1315.131	136.833	0.120000
1325.131	137.016	0.120000
1335.131	137.006	0.120000
1345.131	136.858	0.120000
1355.131	136.783	0.120000
1365.131	137.023	0.120000
1375.131	136.969	0.120000
1385.131	136.988	0.120000
1395.131	137.021	0.120000
1405.131	137.035	0.120000
1415.131	136.971	0.120000
1425.131	137.035	0.120000
1435.131	136.970	0.120000
1445.131	136.961	0.120000
1455.131	137.088	0.120000
1465.131	137.138	0.120000
1475.131	137.141	0.120000
1485.131	137.042	0.120000
1495.131	137.105	0.120000
1505.131	137.072	0.120000
1515.131	137.127	0.120000
1525.131	137.140	0.120000
1535.131	137.131	0.120000
1545.126	137.125	0.120000
1555.126	137.038	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1565.126	137.100	0.120000
1575.126	137.138	0.120000
1585.126	137.114	0.120000
1595.126	137.226	0.120000
1605.126	137.270	0.120000
1615.126	137.223	0.120000
1625.126	137.250	0.120000
1635.126	137.221	0.120000
1645.126	137.328	0.120000
1655.126	137.180	0.120000
1665.126	137.272	0.120000
1675.126	137.154	0.120000
1685.126	137.111	0.120000
1695.126	137.104	0.120000
1705.126	137.272	0.120000
1715.126	137.274	0.120000
1725.126	137.260	0.120000
1735.126	137.170	0.120000
1745.126	137.159	0.120000
1755.126	137.216	0.120000
1765.126	137.160	0.120000
1775.126	137.222	0.120000
1785.126	137.014	0.120000
1795.126	137.178	0.120000
1805.126	137.121	0.120000
1815.126	137.073	0.120000
1825.126	137.219	0.120000
1835.126	137.162	0.120000
1845.126	137.287	0.120000
1855.126	137.067	0.120000
1865.126	137.066	0.120000
1875.126	137.125	0.120000
1885.126	137.131	0.120000
1895.126	137.119	0.120000
1905.126	137.162	0.120000
1915.043	137.119	0.120000
1925.043	137.278	0.120000
1934.997	137.293	0.120000
1944.997	137.215	0.120000
1954.997	137.381	0.120000
1964.997	137.320	0.120000
1974.997	137.200	0.120000
1984.997	137.295	0.120000
1994.997	137.260	0.120000
2004.997	137.198	0.120000
2014.997	137.250	0.120000
2024.997	137.216	0.120000
2034.997	137.403	0.120000
2044.994	137.338	0.120000
2054.994	137.357	0.120000
2064.994	137.263	0.120000
2074.994	137.284	0.120000
2084.994	137.284	0.120000
2094.994	137.282	0.120000
2104.994	137.327	0.120000
2114.994	137.303	0.120000
2124.994	137.340	0.120000
2134.994	137.298	0.120000
2144.994	137.348	0.120000
2154.994	137.372	0.120000
2164.994	137.301	0.120000
2174.994	137.331	0.120000
2184.993	137.251	0.120000
2194.993	137.288	0.120000
2204.993	137.271	0.120000
2214.993	137.339	0.120000
2224.993	137.138	0.120000
2234.993	137.240	0.120000
2242.536	137.292	0.120000
2250.853	137.338	0.120000
2260.853	137.275	0.120000
2270.853	137.289	0.120000
2280.853	137.371	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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2290.853	137.390	0.120000
2300.853	137.223	0.120000
2310.853	137.226	0.120000
2320.853	137.268	0.120000
2330.853	137.273	0.120000
2340.846	137.257	0.120000
2350.846	137.244	0.120000
2360.846	137.106	0.120000
2370.846	137.141	0.120000
2380.846	137.058	0.120000
2390.846	136.966	0.120000
2400.846	137.074	0.120000
2410.846	137.080	0.120000
2420.841	137.063	0.120000
2430.841	136.998	0.120000
2440.841	137.088	0.120000
2450.841	137.126	0.120000
2460.841	137.138	0.120000
2470.841	137.098	0.120000
2480.841	137.228	0.120000
2490.841	137.213	0.120000
2500.841	137.227	0.120000
2510.841	137.029	0.120000
2520.841	137.129	0.120000
2530.841	137.243	0.120000
2540.841	137.212	0.120000
2550.841	137.327	0.120000
2560.841	137.244	0.120000
2570.841	137.214	0.120000
2580.841	137.270	0.120000
2590.841	137.350	0.120000
2600.841	137.402	0.120000
2610.827	137.168	0.120000
2620.827	137.261	0.120000
2630.827	137.283	0.120000
2640.827	137.233	0.120000
2640.927	141.325	0.120000

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 Name: RHH8102  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.965	0.120000
0.000	132.795	0.120000
4.028	132.795	0.120000
14.028	132.830	0.120000
24.028	132.751	0.120000
34.028	132.627	0.120000
44.028	132.499	0.120000
54.028	132.615	0.120000
64.028	132.604	0.120000
74.028	132.597	0.120000
84.028	132.685	0.120000
93.967	132.826	0.120000
103.967	132.866	0.120000
113.967	132.897	0.120000
123.967	132.889	0.120000
133.353	132.834	0.120000
143.353	132.674	0.120000
153.353	132.666	0.120000
163.353	132.649	0.120000
173.353	132.516	0.120000
183.353	132.411	0.120000
192.295	132.368	0.120000
202.295	132.286	0.120000
212.295	132.272	0.120000
222.295	132.385	0.120000
232.295	132.585	0.120000
242.295	132.812	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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252.295	132.721	0.120000
262.263	132.572	0.120000
272.263	132.196	0.120000
282.263	132.130	0.120000
292.263	132.101	0.120000
302.255	132.036	0.120000
312.255	132.043	0.120000
322.255	132.035	0.120000
332.255	132.067	0.120000
341.934	132.146	0.120000
351.934	132.425	0.120000
361.660	132.578	0.120000
371.660	132.839	0.120000
381.660	132.702	0.120000
391.660	132.809	0.120000
401.660	132.829	0.120000
411.660	132.831	0.120000
421.660	132.701	0.120000
431.660	132.664	0.120000
441.660	132.711	0.120000
451.660	132.851	0.120000
461.460	132.853	0.120000
471.460	132.943	0.120000
481.345	132.979	0.120000
491.345	133.094	0.120000
501.296	133.122	0.120000
511.296	133.278	0.120000
521.296	133.583	0.120000
531.296	133.696	0.120000
541.296	133.347	0.120000
551.243	133.354	0.120000
561.243	133.634	0.120000
571.243	133.997	0.120000
581.221	133.732	0.120000
591.221	133.537	0.120000
601.221	133.372	0.120000
611.221	133.411	0.120000
621.208	133.282	0.120000
631.208	132.767	0.120000
641.208	132.639	0.120000
651.208	132.645	0.120000
661.208	132.735	0.120000
670.924	132.875	0.120000
680.924	132.910	0.120000
690.924	132.995	0.120000
700.924	133.161	0.120000
710.924	133.244	0.120000
720.924	133.524	0.120000
730.780	133.986	0.120000
740.780	134.468	0.120000
750.780	134.889	0.120000
760.773	135.231	0.120000
770.773	135.570	0.120000
780.773	135.849	0.120000
790.773	135.936	0.120000
800.773	136.648	0.120000
810.773	136.693	0.120000
820.773	136.484	0.120000
830.773	136.873	0.120000
840.773	137.193	0.120000
850.773	137.403	0.120000
860.773	137.606	0.120000
870.378	137.830	0.120000
880.378	138.068	0.120000
890.378	138.394	0.120000
899.984	138.476	0.120000
909.984	138.572	0.120000
919.984	138.646	0.120000
929.984	138.720	0.120000
939.984	138.902	0.120000
949.984	139.086	0.120000
959.984	139.265	0.120000
969.979	139.386	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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979.979	139.501	0.120000
989.979	139.639	0.120000
999.535	139.826	0.120000
1009.535	139.932	0.120000
1019.535	140.028	0.120000
1029.078	140.060	0.120000
1039.078	140.120	0.120000
1049.078	140.212	0.120000
1057.929	140.261	0.120000
1067.929	140.363	0.120000
1077.929	140.495	0.120000
1085.657	140.581	0.120000
1095.657	140.446	0.120000
1105.657	140.334	0.120000
1115.484	140.342	0.120000
1125.484	140.456	0.120000
1135.484	140.965	0.120000
1144.937	140.893	0.120000
1154.937	140.559	0.120000
1164.844	140.555	0.120000
1174.844	140.641	0.120000
1180.816	140.598	0.120000
1190.816	140.508	0.120000
1200.816	140.468	0.120000
1210.816	140.354	0.120000
1220.816	140.248	0.120000
1230.816	140.107	0.120000
1240.816	139.967	0.120000
1250.816	139.840	0.120000
1260.816	139.713	0.120000
1270.816	139.561	0.120000
1280.816	139.369	0.120000
1290.816	139.148	0.120000
1300.816	138.945	0.120000
1310.816	138.719	0.120000
1320.816	138.537	0.120000
1330.666	138.425	0.120000
1340.666	138.495	0.120000
1350.666	138.682	0.120000
1360.666	138.504	0.120000
1369.897	138.355	0.120000
1379.897	138.016	0.120000
1389.897	137.674	0.120000
1399.888	137.345	0.120000
1409.888	136.912	0.120000
1419.888	136.803	0.120000
1429.888	136.629	0.120000
1439.888	136.168	0.120000
1449.715	135.854	0.120000
1459.715	135.507	0.120000
1469.715	134.999	0.120000
1479.715	134.488	0.120000
1489.715	134.003	0.120000
1499.701	133.731	0.120000
1509.701	133.578	0.120000
1519.701	133.400	0.120000
1529.701	133.272	0.120000
1539.701	133.546	0.120000
1549.701	132.998	0.120000
1559.633	132.950	0.120000
1569.633	132.877	0.120000
1579.633	132.776	0.120000
1589.633	132.741	0.120000
1599.633	132.762	0.120000
1609.596	132.758	0.120000
1619.596	132.689	0.120000
1629.596	132.664	0.120000
1639.469	132.739	0.120000
1649.469	132.797	0.120000
1659.469	132.862	0.120000
1669.469	132.900	0.120000
1679.469	132.895	0.120000
1689.465	132.947	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

1699.465	132.958	0.120000
1709.465	132.977	0.120000
1719.465	132.956	0.120000
1729.465	132.923	0.120000
1739.465	132.878	0.120000
1749.465	132.873	0.120000
1759.465	132.802	0.120000
1769.465	132.773	0.120000
1779.338	132.737	0.120000
1789.338	132.683	0.120000
1799.338	132.583	0.120000
1809.338	132.460	0.120000
1819.338	132.446	0.120000
1829.338	132.457	0.120000
1839.338	132.523	0.120000
1849.315	132.600	0.120000
1859.315	132.732	0.120000
1869.315	132.880	0.120000
1878.989	132.860	0.120000
1888.989	132.716	0.120000
1898.989	132.751	0.120000
1908.989	132.784	0.120000
1918.989	132.796	0.120000
1928.989	132.795	0.120000
1929.089	140.965	0.120000

Name: RHH81052B  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.188	0.120000
0.000	137.619	0.120000
8.861	137.498	0.120000
18.861	137.393	0.120000
28.861	137.336	0.120000
38.861	137.117	0.120000
48.861	137.166	0.120000
58.827	136.700	0.120000
68.827	136.630	0.120000
78.827	136.713	0.120000
88.827	136.632	0.120000
98.826	136.188	0.120000
108.826	136.501	0.120000
118.826	136.753	0.120000
128.826	136.875	0.120000
138.448	137.269	0.120000
148.448	137.645	0.120000
158.448	137.858	0.120000
158.548	141.188	0.120000

Name: RHH81052D  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.550	0.120000
0.000	137.672	0.120000
10.000	137.601	0.120000
20.000	137.363	0.120000
29.976	137.024	0.120000
39.976	136.442	0.120000
49.976	136.408	0.120000
59.976	138.243	0.120000
69.949	140.337	0.120000
79.949	142.404	0.120000
89.949	142.509	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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99.949	142.629	0.120000
109.949	142.902	0.120000
119.949	143.550	0.120000
120.226	143.550	0.120000
120.326	143.550	0.120000

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Name: RHH81053C  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	148.359	0.120000
0.000	148.359	0.120000
7.282	148.166	0.120000
17.282	147.778	0.120000
26.958	147.535	0.120000
36.958	147.273	0.120000
46.958	147.028	0.120000
56.958	146.876	0.120000
66.257	146.804	0.120000
76.257	146.507	0.120000
85.920	146.525	0.120000
95.920	146.530	0.120000
105.920	146.460	0.120000
114.761	146.368	0.120000
124.761	146.297	0.120000
134.718	146.184	0.120000
144.718	146.141	0.120000
154.718	146.086	0.120000
164.628	146.070	0.120000
174.628	146.098	0.120000
184.628	146.110	0.120000
193.994	146.085	0.120000
203.994	146.069	0.120000
213.978	146.079	0.120000
223.978	146.108	0.120000
233.716	146.118	0.120000
243.716	146.142	0.120000
253.716	146.181	0.120000
263.716	146.294	0.120000
271.818	146.421	0.120000
281.818	146.269	0.120000
291.818	146.160	0.120000
301.655	146.057	0.120000
311.655	146.014	0.120000
321.655	146.019	0.120000
331.642	145.977	0.120000
341.642	145.819	0.120000
351.435	145.713	0.120000
361.435	145.487	0.120000
371.435	145.307	0.120000
381.435	144.886	0.120000
391.435	144.528	0.120000
401.342	144.242	0.120000
411.342	143.966	0.120000
421.342	143.686	0.120000
431.342	143.470	0.120000
441.342	143.297	0.120000
451.237	143.215	0.120000
461.237	143.164	0.120000
471.237	143.088	0.120000
480.930	142.976	0.120000
490.930	142.802	0.120000
500.930	142.351	0.120000
510.930	142.050	0.120000
520.277	141.915	0.120000
530.277	141.887	0.120000
540.277	141.841	0.120000
550.277	141.797	0.120000
560.277	141.783	0.120000

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Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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570.277	141.645	0.120000
580.255	141.691	0.120000
590.255	141.600	0.120000
600.255	141.569	0.120000
610.255	141.473	0.120000
620.255	141.510	0.120000
630.255	141.356	0.120000
640.255	141.333	0.120000
650.255	141.328	0.120000
660.237	141.368	0.120000
670.237	141.247	0.120000
680.237	141.151	0.120000
690.237	141.125	0.120000
700.237	141.001	0.120000
710.237	140.869	0.120000
720.216	140.850	0.120000
730.216	140.726	0.120000
740.216	140.761	0.120000
750.216	140.717	0.120000
760.216	140.582	0.120000
770.216	140.640	0.120000
780.216	140.564	0.120000
790.216	140.521	0.120000
800.196	140.452	0.120000
810.196	140.423	0.120000
820.196	140.425	0.120000
830.196	140.382	0.120000
840.196	140.325	0.120000
850.196	140.252	0.120000
860.196	140.268	0.120000
870.196	140.263	0.120000
880.196	140.154	0.120000
890.166	140.084	0.120000
900.166	139.918	0.120000
910.166	139.812	0.120000
920.166	139.836	0.120000
930.166	139.745	0.120000
940.151	139.816	0.120000
950.151	139.632	0.120000
960.151	139.678	0.120000
970.151	139.535	0.120000
980.151	139.519	0.120000
990.151	139.636	0.120000
1000.151	139.569	0.120000
1010.151	139.565	0.120000
1020.151	139.532	0.120000
1030.148	139.498	0.120000
1040.148	139.459	0.120000
1050.148	139.339	0.120000
1060.148	139.276	0.120000
1070.148	139.190	0.120000
1080.148	139.149	0.120000
1090.148	139.077	0.120000
1100.148	139.099	0.120000
1110.148	138.987	0.120000
1120.147	138.918	0.120000
1130.147	138.756	0.120000
1140.147	138.710	0.120000
1140.247	148.359	0.120000

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 Name: RHH81053D  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	148.359	0.120000
0.000	138.710	0.120000
5.202	138.575	0.120000
15.202	138.476	0.120000
25.202	138.419	0.120000

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35.202	138.398	0.120000
45.202	138.448	0.120000
55.202	138.529	0.120000
65.202	138.573	0.120000
75.202	138.726	0.120000
85.202	138.786	0.120000
95.202	138.831	0.120000
105.202	138.829	0.120000
115.202	138.884	0.120000
125.202	139.233	0.120000
135.202	139.260	0.120000
145.202	139.487	0.120000
155.202	139.581	0.120000
165.202	139.722	0.120000
175.202	139.894	0.120000
185.202	139.911	0.120000
195.202	140.132	0.120000
205.202	140.246	0.120000
215.202	140.096	0.120000
225.202	140.336	0.120000
235.202	140.367	0.120000
245.202	140.600	0.120000
255.202	140.835	0.120000
265.196	140.377	0.120000
275.196	140.786	0.120000
285.196	141.118	0.120000
295.196	140.999	0.120000
305.196	141.206	0.120000
315.196	141.457	0.120000
325.196	141.688	0.120000
335.196	141.818	0.120000
345.196	141.965	0.120000
355.196	142.219	0.120000
365.196	142.217	0.120000
375.196	142.413	0.120000
385.196	142.573	0.120000
395.195	142.808	0.120000
405.195	142.855	0.120000
415.195	143.185	0.120000
425.195	143.433	0.120000
435.195	143.447	0.120000
445.195	143.629	0.120000
455.195	143.873	0.120000
465.195	143.828	0.120000
475.195	144.121	0.120000
485.195	144.334	0.120000
495.195	144.296	0.120000
505.195	144.486	0.120000
515.195	144.588	0.120000
525.195	144.664	0.120000
535.195	144.952	0.120000
545.195	145.223	0.120000
555.195	145.363	0.120000
565.195	145.320	0.120000
575.195	145.569	0.120000
585.194	145.678	0.120000
595.194	145.728	0.120000
605.194	145.970	0.120000
615.194	146.128	0.120000
625.194	146.151	0.120000
635.194	146.371	0.120000
645.194	146.452	0.120000
655.191	146.569	0.120000
665.191	146.794	0.120000
675.191	146.798	0.120000
685.191	146.931	0.120000
695.191	146.995	0.120000
705.191	147.297	0.120000
715.191	147.368	0.120000
725.186	147.546	0.120000
735.186	147.529	0.120000
745.186	147.714	0.120000
755.186	147.792	0.120000

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765.177	148.051	0.120000
775.177	148.025	0.120000
785.177	148.189	0.120000
795.177	148.359	0.120000
795.277	148.359	0.120000

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 Name: RHH81054B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.532	0.120000
0.000	138.710	0.120000
10.059	138.674	0.120000
20.059	138.659	0.120000
30.059	138.649	0.120000
40.059	138.592	0.120000
50.059	138.524	0.120000
60.058	138.613	0.120000
70.058	138.643	0.120000
80.058	138.350	0.120000
90.058	138.519	0.120000
100.058	138.446	0.120000
110.058	138.347	0.120000
120.058	138.271	0.120000
130.058	138.231	0.120000
140.058	138.301	0.120000
150.058	138.229	0.120000
160.058	138.073	0.120000
170.058	138.027	0.120000
180.058	137.994	0.120000
190.058	137.822	0.120000
200.058	137.823	0.120000
210.058	137.810	0.120000
220.058	137.761	0.120000
230.058	137.722	0.120000
240.058	137.799	0.120000
250.058	137.788	0.120000
260.058	137.794	0.120000
270.058	137.703	0.120000
280.058	137.690	0.120000
290.056	137.762	0.120000
300.056	137.936	0.120000
310.056	137.727	0.120000
320.056	137.532	0.120000
330.030	137.601	0.120000
340.030	137.690	0.120000
350.030	137.567	0.120000
360.030	137.619	0.120000
360.130	142.532	0.120000

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 Name: RHH81054C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.836	0.120000
0.000	137.619	0.120000
10.000	137.869	0.120000
20.000	137.910	0.120000
30.000	137.907	0.120000
40.000	138.257	0.120000
50.000	139.967	0.120000
60.000	140.731	0.120000
69.935	141.520	0.120000
79.935	142.122	0.120000
89.935	142.691	0.120000

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99.935	142.687	0.120000
109.935	143.015	0.120000
119.935	142.781	0.120000
129.935	142.622	0.120000
139.935	142.632	0.120000
149.935	142.691	0.120000
159.935	142.783	0.120000
169.588	142.746	0.120000
179.588	142.602	0.120000
189.588	142.939	0.120000
199.331	142.941	0.120000
209.331	143.119	0.120000
219.331	143.290	0.120000
228.580	143.326	0.120000
238.580	143.423	0.120000
248.580	143.600	0.120000
258.528	143.613	0.120000
268.528	143.771	0.120000
278.528	143.836	0.120000
288.528	143.829	0.120000
298.509	143.740	0.120000
308.509	143.673	0.120000
318.509	143.550	0.120000
321.171	143.550	0.120000
321.271	143.836	0.120000

Name: RHH8116  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
398.346	134.465	0.120000
408.346	134.426	0.120000
418.346	134.482	0.120000
428.346	134.435	0.120000
438.346	134.318	0.120000
448.343	134.355	0.120000
458.343	134.263	0.120000
468.343	134.498	0.120000
478.343	134.351	0.120000
488.343	134.299	0.120000
498.343	134.343	0.120000
508.343	134.306	0.120000
518.343	134.257	0.120000
528.343	134.356	0.120000
538.343	134.211	0.120000
548.343	134.250	0.120000
558.343	134.192	0.120000
568.343	134.017	0.120000
578.343	134.050	0.120000
588.343	134.136	0.120000
598.343	134.066	0.120000
608.343	134.125	0.120000
618.343	134.038	0.120000
628.343	133.880	0.120000
638.343	133.933	0.120000
648.343	134.032	0.120000
658.343	134.037	0.120000
668.343	133.999	0.120000
678.343	134.044	0.120000
688.343	134.057	0.120000
698.343	134.102	0.120000
708.343	134.131	0.120000
718.343	134.036	0.120000
728.343	134.208	0.120000
738.343	134.156	0.120000
748.343	134.188	0.120000
758.343	134.239	0.120000
768.343	134.176	0.120000
778.343	134.158	0.120000

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788.343	134.105	0.120000
798.343	134.083	0.120000
808.343	134.066	0.120000
818.343	134.100	0.120000
828.343	134.117	0.120000
838.343	134.081	0.120000
848.343	134.279	0.120000
858.343	134.125	0.120000
868.343	134.152	0.120000
878.343	134.110	0.120000
888.343	134.139	0.120000
898.343	134.137	0.120000
908.343	134.106	0.120000
918.343	134.198	0.120000
928.343	134.371	0.120000
938.343	134.443	0.120000
948.343	134.449	0.120000
958.343	134.543	0.120000
968.343	134.400	0.120000
978.343	134.385	0.120000
988.343	134.294	0.120000
998.343	134.343	0.120000
1008.343	134.381	0.120000
1018.343	134.138	0.120000
1028.343	134.082	0.120000
1038.343	134.118	0.120000
1048.343	134.038	0.120000
1058.343	134.212	0.120000
1068.343	134.145	0.120000
1078.343	134.199	0.120000
1088.343	134.223	0.120000
1098.343	134.296	0.120000
1108.343	134.189	0.120000
1118.342	134.365	0.120000
1128.342	134.324	0.120000
1138.342	134.210	0.120000
1148.342	134.135	0.120000
1158.342	134.143	0.120000
1168.342	134.112	0.120000
1178.342	134.151	0.120000
1188.342	134.136	0.120000
1198.342	134.120	0.120000
1208.342	134.135	0.120000
1218.342	134.214	0.120000
1228.342	134.201	0.120000
1238.342	134.403	0.120000
1248.321	134.048	0.120000
1258.321	134.057	0.120000
1268.321	133.930	0.120000
1278.321	134.010	0.120000
1288.321	134.027	0.120000
1298.321	134.090	0.120000
1308.321	134.248	0.120000
1318.321	134.350	0.120000
1328.321	134.221	0.120000
1338.321	134.290	0.120000
1348.321	134.331	0.120000
1358.321	134.325	0.120000
1368.321	134.332	0.120000
1378.321	134.555	0.120000
1388.321	134.572	0.120000
1398.321	134.537	0.120000
1408.305	134.354	0.120000
1418.305	134.056	0.120000
1428.305	134.023	0.120000
1438.305	134.500	0.120000
1448.305	134.448	0.120000
1458.305	134.440	0.120000
1468.305	134.262	0.120000
1478.305	134.021	0.120000
1488.305	133.792	0.120000
1498.305	133.715	0.120000
1508.305	134.332	0.120000

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1518.305	134.486	0.120000
1528.305	134.416	0.120000
1538.305	134.298	0.120000
1548.305	134.298	0.120000
1558.268	134.399	0.120000
1568.268	134.360	0.120000
1578.268	134.325	0.120000
1588.268	134.331	0.120000
1598.268	134.436	0.120000
1608.268	134.521	0.120000
1618.268	134.303	0.120000
1628.268	134.284	0.120000
1638.268	134.267	0.120000
1648.268	134.366	0.120000
1658.268	134.530	0.120000
1668.268	134.468	0.120000
1778.103	134.297	0.120000
1788.103	134.385	0.120000
1798.103	134.151	0.120000
1808.103	134.087	0.120000
1817.592	134.580	0.120000
1827.592	134.081	0.120000
1837.592	134.047	0.120000
1847.592	134.080	0.120000
1857.592	134.297	0.120000
1867.567	134.306	0.120000
1877.567	134.080	0.120000
1887.567	134.105	0.120000
1897.567	134.059	0.120000
1907.567	133.970	0.120000
1917.567	134.007	0.120000
1927.567	134.177	0.120000
1937.543	134.308	0.120000
1947.543	133.948	0.120000
1957.543	134.150	0.120000
1967.543	133.706	0.120000
1977.543	133.612	0.120000
1987.543	133.592	0.120000
1997.543	133.598	0.120000
2007.543	133.556	0.120000
2017.543	133.569	0.120000
2027.543	133.609	0.120000
2037.543	133.653	0.120000
2047.543	133.690	0.120000
2057.533	133.796	0.120000
2067.533	133.613	0.120000
2077.533	134.155	0.120000
2087.530	134.069	0.120000
2097.530	134.039	0.120000
2107.530	134.106	0.120000
2117.530	134.085	0.120000
2127.530	134.038	0.120000
2137.525	133.949	0.120000
2147.525	134.160	0.120000
2157.525	134.308	0.120000
2167.525	134.199	0.120000
2177.525	133.947	0.120000
2187.524	134.402	0.120000
2197.524	134.247	0.120000
2207.524	134.037	0.120000
2217.524	133.994	0.120000
2227.524	133.675	0.120000
2237.524	133.649	0.120000
2247.524	133.727	0.120000
2257.524	133.916	0.120000
2267.487	133.975	0.120000
2277.487	134.306	0.120000
2287.487	134.021	0.120000
2297.487	133.987	0.120000
2307.487	133.634	0.120000
2317.487	133.948	0.120000
2327.457	133.998	0.120000
2337.457	134.228	0.120000

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2347.457	133.750	0.120000
2357.457	133.984	0.120000
2367.339	134.031	0.120000
2377.339	133.928	0.120000
2387.339	133.877	0.120000
2397.339	133.729	0.120000
2407.339	133.597	0.120000
2417.339	133.812	0.120000
2427.339	133.747	0.120000
2437.339	133.632	0.120000
2447.337	133.805	0.120000
2457.337	134.161	0.120000
2467.337	134.131	0.120000
2477.337	134.016	0.120000
2487.337	133.997	0.120000
2497.337	134.111	0.120000
2507.337	134.012	0.120000
2517.337	134.024	0.120000
2527.337	133.992	0.120000
2537.337	134.003	0.120000
2547.327	133.848	0.120000
2557.327	133.939	0.120000
2567.327	134.104	0.120000
2577.327	134.090	0.120000
2587.327	134.090	0.120000
2597.327	134.063	0.120000
2607.327	134.198	0.120000
2617.327	134.104	0.120000
2627.327	134.138	0.120000
2637.327	134.127	0.120000
2647.327	133.997	0.120000
2657.327	134.095	0.120000
2667.327	134.117	0.120000
2677.327	134.011	0.120000
2687.327	134.031	0.120000
2697.326	134.174	0.120000
2707.326	134.344	0.120000
2717.326	133.970	0.120000
2727.326	134.022	0.120000
2737.326	134.005	0.120000
2747.326	133.855	0.120000
2757.326	134.016	0.120000
2767.326	133.908	0.120000
2777.326	134.377	0.120000
2787.326	134.189	0.120000
2797.326	133.951	0.120000
2807.326	133.857	0.120000
2817.326	133.840	0.120000
2827.326	133.951	0.120000
2837.326	134.020	0.120000
2847.326	134.087	0.120000
2857.326	134.063	0.120000
2867.326	134.136	0.120000
2877.326	134.023	0.120000
2887.326	133.835	0.120000
2897.326	133.504	0.120000
2907.326	133.720	0.120000
2917.326	133.724	0.120000
2927.326	133.668	0.120000
2937.326	133.717	0.120000
2947.326	133.624	0.120000
2957.326	133.716	0.120000
2967.326	133.912	0.120000
2977.326	133.808	0.120000
2987.326	133.831	0.120000
2997.326	133.851	0.120000
3007.326	133.873	0.120000
3017.326	133.629	0.120000
3027.326	133.653	0.120000
3037.314	133.687	0.120000
3047.314	133.786	0.120000
3057.314	133.757	0.120000
3067.314	133.843	0.120000

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3077.314	133.840	0.120000
3087.314	133.753	0.120000
3097.314	133.681	0.120000
3107.314	133.684	0.120000
3117.313	133.576	0.120000
3127.313	133.269	0.120000
3137.313	133.068	0.120000
3147.313	133.461	0.120000
3157.313	133.798	0.120000
3167.279	133.811	0.120000
3177.279	133.917	0.120000
3187.279	133.896	0.120000
3197.279	133.853	0.120000
3207.279	133.695	0.120000
3217.279	133.532	0.120000
3227.279	133.730	0.120000
3237.279	133.713	0.120000
3247.279	133.782	0.120000
3257.279	133.858	0.120000
3267.279	133.952	0.120000
3277.279	133.965	0.120000
3287.256	133.967	0.120000
3297.256	133.967	0.120000
3307.209	133.949	0.120000
3317.209	133.885	0.120000
3327.209	133.783	0.120000
3337.209	133.716	0.120000
3347.179	133.606	0.120000
3357.179	133.855	0.120000
3367.179	133.855	0.120000
3377.173	133.933	0.120000
3387.173	133.770	0.120000
3397.173	133.588	0.120000
3407.173	133.539	0.120000
3417.170	133.532	0.120000
3427.170	133.639	0.120000
3436.994	133.697	0.120000
3446.941	133.779	0.120000
3456.941	133.569	0.120000
3466.941	133.280	0.120000
3476.941	133.161	0.120000
3486.935	133.293	0.120000
3496.935	133.714	0.120000
3506.935	133.528	0.120000
3516.935	133.686	0.120000
3526.935	133.885	0.120000
3536.935	133.832	0.120000
3546.916	133.715	0.120000
3556.916	133.721	0.120000
3566.916	133.616	0.120000
3576.916	133.651	0.120000
3586.916	133.632	0.120000
3596.916	133.674	0.120000
3606.916	133.624	0.120000
3616.916	133.710	0.120000
3626.916	133.660	0.120000
3636.916	133.915	0.120000
3646.916	133.908	0.120000
3656.902	133.827	0.120000
3666.902	133.918	0.120000
3676.902	133.875	0.120000
3686.902	133.882	0.120000
3696.902	133.812	0.120000
3706.902	133.941	0.120000
3716.902	133.914	0.120000
3726.878	133.951	0.120000
3736.878	133.952	0.120000
3746.878	133.929	0.120000
3756.878	133.828	0.120000
3766.878	133.698	0.120000
3776.878	133.719	0.120000
3786.726	133.750	0.120000
3796.726	133.552	0.120000



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3806.726	133.557	0.120000
3816.726	133.618	0.120000
3826.706	133.582	0.120000
3836.706	133.478	0.120000
3846.706	133.543	0.120000
3856.706	133.601	0.120000
3866.706	133.220	0.120000
3876.660	133.291	0.120000
3886.660	133.144	0.120000
3896.660	132.884	0.120000
3906.660	132.768	0.120000
3916.635	132.848	0.120000
3926.635	132.479	0.120000
3936.635	132.538	0.120000
3946.635	132.780	0.120000
3956.635	132.550	0.120000
3966.635	132.825	0.120000
3976.635	132.904	0.120000
3986.635	132.707	0.120000
3996.635	132.808	0.120000
4006.635	132.749	0.120000
4016.633	132.662	0.120000
4026.633	132.816	0.120000
4036.633	133.134	0.120000
4046.633	133.190	0.120000
4056.633	133.056	0.120000
4066.633	133.603	0.120000
4076.633	133.559	0.120000
4086.633	133.515	0.120000
4096.633	133.651	0.120000
4106.633	133.854	0.120000
4116.630	134.059	0.120000
4126.630	134.048	0.120000
4136.630	134.010	0.120000
4146.630	133.934	0.120000
4156.630	134.091	0.120000
4166.630	133.832	0.120000
4176.630	133.757	0.120000
4186.622	133.725	0.120000
4196.622	133.809	0.120000
4206.622	133.725	0.120000
4216.622	133.741	0.120000
4226.622	133.964	0.120000
4236.622	134.264	0.120000
4246.622	133.995	0.120000
4256.622	134.148	0.120000
4266.617	134.219	0.120000
4276.617	134.228	0.120000
4286.617	134.257	0.120000
4296.617	134.042	0.120000
4306.617	134.116	0.120000
4326.612	134.348	0.120000
4336.612	134.220	0.120000
4346.612	134.320	0.120000
4356.612	134.350	0.120000
4366.612	134.233	0.120000
4376.612	134.227	0.120000
4386.612	134.389	0.120000
4396.612	134.360	0.120000
4416.612	134.309	0.120000
4426.612	134.376	0.120000
4436.612	134.327	0.120000
4446.612	134.221	0.120000
4456.612	134.057	0.120000
4466.606	134.242	0.120000
4476.606	134.320	0.120000
4486.606	134.626	0.120000
4496.606	134.419	0.120000
4506.606	134.495	0.120000
4516.606	134.439	0.120000
4526.606	134.494	0.120000
4536.606	134.600	0.120000
4546.606	134.594	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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4566.594	134.446	0.120000
4576.594	134.427	0.120000
4586.594	134.423	0.120000
4596.594	134.359	0.120000
4606.594	134.467	0.120000
4616.594	134.310	0.120000
4626.594	134.197	0.120000
4636.594	134.295	0.120000
4646.594	134.129	0.120000
4656.594	134.246	0.120000
4666.594	134.325	0.120000
4686.594	134.264	0.120000
4696.594	134.169	0.120000
4706.594	134.110	0.120000
4716.594	134.156	0.120000
4726.594	134.222	0.120000
4736.594	134.257	0.120000
4746.594	134.477	0.120000
4766.594	134.620	0.120000
4776.594	134.409	0.120000
4786.594	134.327	0.120000
4796.594	134.319	0.120000
4806.594	134.210	0.120000
4816.594	134.051	0.120000
4826.594	134.187	0.120000
4836.594	134.138	0.120000
4846.594	134.151	0.120000
4856.594	133.996	0.120000
4866.594	133.909	0.120000
4876.594	133.981	0.120000
4886.594	133.878	0.120000
4896.594	133.882	0.120000
4906.594	133.593	0.120000
4916.594	134.038	0.120000
4926.594	134.094	0.120000
4936.594	134.059	0.120000
4946.594	134.257	0.120000
4956.594	134.206	0.120000
4966.594	134.222	0.120000
4976.594	134.230	0.120000
4986.594	134.339	0.120000
5006.594	133.897	0.120000
5016.594	134.192	0.120000
5026.594	134.228	0.120000
5036.594	134.236	0.120000
5046.594	134.404	0.120000
5056.594	134.294	0.120000
5066.594	134.351	0.120000
5076.594	134.281	0.120000
5086.594	134.415	0.120000
5096.594	134.342	0.120000
5106.594	134.410	0.120000
5126.594	134.621	0.120000
5136.594	134.268	0.120000
5146.594	134.448	0.120000
5156.594	134.017	0.120000
5166.594	134.054	0.120000
5176.594	134.390	0.120000
5186.591	134.408	0.120000
5196.591	134.206	0.120000
5206.591	134.163	0.120000
5216.591	134.457	0.120000
5236.591	134.386	0.120000
5246.591	134.356	0.120000
5256.591	134.288	0.120000
5266.591	133.992	0.120000
5276.591	134.003	0.120000
5286.591	134.509	0.120000
5296.591	134.428	0.120000
5306.591	134.316	0.120000
5316.591	134.564	0.120000
5326.591	134.417	0.120000
5336.591	134.602	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
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5356.591	134.523	0.120000
5366.591	134.559	0.120000
5376.591	134.474	0.120000
5386.591	134.003	0.120000
5396.591	134.272	0.120000
5406.591	134.376	0.120000
5416.591	134.374	0.120000
5426.591	134.325	0.120000
5436.591	134.266	0.120000
5446.591	134.431	0.120000
5466.591	134.243	0.120000
5476.591	134.197	0.120000
5486.591	134.193	0.120000
5496.591	134.192	0.120000
5506.591	134.355	0.120000
5526.591	134.426	0.120000
5536.591	134.408	0.120000
5546.591	134.390	0.120000
5556.591	134.387	0.120000
5566.591	134.239	0.120000
5576.591	134.333	0.120000
5586.591	134.377	0.120000

Name: RHH81161A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	176.593	0.120000
0.000	140.472	0.120000
7.250	140.273	0.120000
17.247	139.704	0.120000
27.247	138.989	0.120000
37.246	138.059	0.120000
47.246	137.673	0.120000
57.246	137.246	0.120000
67.245	137.229	0.120000
77.245	137.136	0.120000
87.210	137.032	0.120000
97.210	136.733	0.120000
107.201	137.401	0.120000
116.365	137.494	0.120000
126.365	137.432	0.120000
136.365	137.317	0.120000
146.365	137.332	0.120000
156.365	137.216	0.120000
166.365	137.123	0.120000
176.365	137.146	0.120000
186.365	137.330	0.120000
196.365	137.644	0.120000
206.244	137.494	0.120000
216.244	137.377	0.120000
226.244	137.673	0.120000
235.081	137.715	0.120000
245.081	137.472	0.120000
255.081	137.399	0.120000
264.962	137.304	0.120000
274.962	137.391	0.120000
284.962	137.484	0.120000
294.845	137.609	0.120000
304.845	137.269	0.120000
314.845	137.487	0.120000
324.844	137.406	0.120000
334.844	137.439	0.120000
344.844	137.257	0.120000
354.844	137.363	0.120000
364.844	137.248	0.120000
373.958	137.159	0.120000
383.958	137.123	0.120000
393.958	137.076	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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403.958	137.034	0.120000
413.838	136.980	0.120000
423.838	136.911	0.120000
433.838	136.872	0.120000
443.686	136.788	0.120000
453.686	136.810	0.120000
463.686	136.848	0.120000
473.558	136.823	0.120000
483.558	136.903	0.120000
493.558	136.965	0.120000
503.558	137.008	0.120000
513.551	137.067	0.120000
523.551	137.127	0.120000
533.123	137.329	0.120000
543.123	137.451	0.120000
553.123	137.407	0.120000
561.547	137.418	0.120000
571.547	137.604	0.120000
581.547	137.988	0.120000
591.547	138.152	0.120000
601.547	138.002	0.120000
611.345	137.993	0.120000
621.345	138.137	0.120000
631.345	138.184	0.120000
641.345	138.373	0.120000
651.345	138.428	0.120000
661.345	138.677	0.120000
671.345	138.417	0.120000
681.345	138.522	0.120000
691.050	138.581	0.120000
701.050	138.652	0.120000
711.050	138.575	0.120000
721.050	138.620	0.120000
731.050	138.664	0.120000
740.489	138.653	0.120000
750.489	138.712	0.120000
760.489	138.738	0.120000
770.489	138.752	0.120000
780.489	138.870	0.120000
790.469	138.862	0.120000
800.469	138.898	0.120000
810.469	138.946	0.120000
820.469	139.060	0.120000
830.086	139.014	0.120000
840.086	138.867	0.120000
850.086	138.905	0.120000
860.086	139.248	0.120000
870.086	139.320	0.120000
880.084	139.632	0.120000
890.084	139.845	0.120000
900.084	140.199	0.120000
910.084	140.593	0.120000
920.084	140.695	0.120000
930.084	140.919	0.120000
940.084	140.978	0.120000
950.084	141.118	0.120000
960.084	141.331	0.120000
970.074	141.654	0.120000
980.074	141.974	0.120000
990.074	142.203	0.120000
1000.074	142.391	0.120000
1010.074	142.336	0.120000
1020.074	142.725	0.120000
1030.074	143.061	0.120000
1040.074	143.419	0.120000
1050.074	143.671	0.120000
1060.074	144.001	0.120000
1070.074	144.331	0.120000
1080.074	144.600	0.120000
1090.074	145.114	0.120000
1100.074	145.507	0.120000
1110.074	145.698	0.120000
1120.074	146.175	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1130.074	146.837	0.120000
1140.074	147.262	0.120000
1150.074	147.880	0.120000
1160.074	148.485	0.120000
1170.074	149.154	0.120000
1180.074	149.880	0.120000
1190.074	150.518	0.120000
1200.074	151.063	0.120000
1209.998	151.595	0.120000
1219.998	152.323	0.120000
1229.998	152.860	0.120000
1239.998	153.417	0.120000
1249.998	153.837	0.120000
1259.998	154.381	0.120000
1269.998	154.946	0.120000
1279.958	155.227	0.120000
1289.958	155.684	0.120000
1299.958	156.089	0.120000
1309.958	156.608	0.120000
1319.958	156.822	0.120000
1329.958	157.206	0.120000
1339.957	157.398	0.120000
1349.957	157.697	0.120000
1359.957	157.922	0.120000
1369.957	158.352	0.120000
1379.957	158.719	0.120000
1389.957	159.127	0.120000
1399.957	159.272	0.120000
1409.957	159.837	0.120000
1419.957	160.104	0.120000
1429.221	160.536	0.120000
1439.221	160.671	0.120000
1449.221	160.858	0.120000
1459.221	160.913	0.120000
1469.221	160.903	0.120000
1479.221	161.425	0.120000
1489.221	161.751	0.120000
1499.221	161.711	0.120000
1509.219	162.125	0.120000
1519.219	162.488	0.120000
1529.219	163.026	0.120000
1539.219	163.482	0.120000
1549.219	163.289	0.120000
1559.219	163.420	0.120000
1569.219	163.598	0.120000
1579.219	163.721	0.120000
1589.219	164.502	0.120000
1599.211	164.861	0.120000
1609.211	165.094	0.120000
1619.211	165.366	0.120000
1629.211	165.417	0.120000
1639.211	165.655	0.120000
1649.211	165.985	0.120000
1659.211	166.262	0.120000
1669.211	166.786	0.120000
1679.211	167.160	0.120000
1689.211	167.220	0.120000
1699.211	167.903	0.120000
1709.189	167.893	0.120000
1719.189	168.124	0.120000
1729.189	168.471	0.120000
1739.189	168.803	0.120000
1749.189	169.199	0.120000
1759.189	169.204	0.120000
1769.189	169.268	0.120000
1779.189	169.345	0.120000
1789.189	169.588	0.120000
1799.189	169.905	0.120000
1809.189	170.029	0.120000
1819.189	170.236	0.120000
1829.189	170.470	0.120000
1839.189	170.764	0.120000
1849.189	171.012	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1859.189	171.381	0.120000
1869.189	171.525	0.120000
1879.182	171.771	0.120000
1889.182	171.980	0.120000
1899.182	172.372	0.120000
1909.182	172.599	0.120000
1919.182	172.833	0.120000
1929.182	172.903	0.120000
1939.182	173.264	0.120000
1949.182	173.550	0.120000
1959.182	173.577	0.120000
1969.182	173.489	0.120000
1979.182	173.772	0.120000
1989.182	174.092	0.120000
1999.182	174.073	0.120000
2009.182	174.138	0.120000
2019.182	174.584	0.120000
2029.182	174.716	0.120000
2039.182	174.931	0.120000
2049.182	175.070	0.120000
2059.182	175.158	0.120000
2069.182	175.260	0.120000
2079.182	175.382	0.120000
2089.179	175.466	0.120000
2099.179	175.493	0.120000
2109.179	175.677	0.120000
2119.179	175.938	0.120000
2129.179	176.099	0.120000
2139.179	176.061	0.120000
2149.179	176.002	0.120000
2159.179	175.954	0.120000
2169.179	175.925	0.120000
2179.179	175.977	0.120000
2189.179	175.932	0.120000
2199.100	175.674	0.120000
2209.100	176.021	0.120000
2219.100	176.107	0.120000
2229.100	176.208	0.120000
2239.100	176.286	0.120000
2249.100	176.499	0.120000
2259.100	176.516	0.120000
2269.100	176.511	0.120000
2279.100	176.593	0.120000
2289.100	176.460	0.120000
2298.600	176.421	0.120000
2308.600	176.570	0.120000
2318.600	176.535	0.120000
2327.911	176.590	0.120000
2328.011	176.593	0.120000

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Name: RHH81161B Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.263	0.120000
0.000	136.522	0.120000
10.000	136.498	0.120000
19.994	136.559	0.120000
29.994	136.573	0.120000
39.994	136.446	0.120000
49.994	136.600	0.120000
59.991	136.703	0.120000
69.991	136.760	0.120000
79.991	136.629	0.120000
89.991	136.584	0.120000
99.991	136.638	0.120000
109.991	136.696	0.120000
119.991	136.513	0.120000
129.989	136.546	0.120000

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CR 557 Widening  
Complete Input Report

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139.989	136.513	0.120000
149.989	136.515	0.120000
159.989	136.477	0.120000
169.989	136.429	0.120000
179.989	136.470	0.120000
189.989	136.429	0.120000
199.987	136.282	0.120000
209.987	136.274	0.120000
219.987	136.148	0.120000
229.987	136.185	0.120000
239.986	136.228	0.120000
249.986	136.215	0.120000
259.986	136.165	0.120000
269.986	136.209	0.120000
279.986	136.072	0.120000
289.986	136.084	0.120000
299.896	136.074	0.120000
309.896	136.104	0.120000
319.761	136.165	0.120000
329.761	136.276	0.120000
339.761	136.459	0.120000
345.538	136.416	0.120000
355.538	136.254	0.120000
365.538	136.100	0.120000
375.324	135.985	0.120000
385.324	135.876	0.120000
395.324	135.868	0.120000
405.324	135.855	0.120000
415.164	135.784	0.120000
425.164	135.777	0.120000
435.164	135.790	0.120000
445.154	135.814	0.120000
455.154	135.727	0.120000
465.154	135.782	0.120000
475.154	135.798	0.120000
485.154	135.708	0.120000
495.154	135.680	0.120000
505.154	135.675	0.120000
515.154	135.693	0.120000
525.154	135.636	0.120000
535.154	135.654	0.120000
545.154	135.780	0.120000
555.154	135.747	0.120000
565.154	135.648	0.120000
575.154	135.567	0.120000
585.154	135.609	0.120000
595.154	135.656	0.120000
605.154	135.636	0.120000
615.154	135.711	0.120000
625.124	135.762	0.120000
635.124	135.796	0.120000
645.124	135.747	0.120000
655.124	135.732	0.120000
665.124	135.843	0.120000
675.124	135.682	0.120000
685.124	135.708	0.120000
695.108	135.723	0.120000
705.108	135.863	0.120000
715.108	135.764	0.120000
725.108	135.737	0.120000
735.108	135.806	0.120000
745.108	135.710	0.120000
755.108	135.809	0.120000
765.099	135.831	0.120000
775.099	135.775	0.120000
785.099	135.798	0.120000
795.099	135.629	0.120000
805.099	135.690	0.120000
815.099	135.649	0.120000
825.099	135.643	0.120000
835.099	135.697	0.120000
845.099	135.602	0.120000
855.099	135.538	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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865.099	135.571	0.120000
875.099	135.492	0.120000
885.099	135.481	0.120000
895.099	135.500	0.120000
905.099	135.477	0.120000
915.099	135.503	0.120000
925.099	135.572	0.120000
935.099	135.497	0.120000
945.099	135.555	0.120000
955.098	135.405	0.120000
965.098	135.395	0.120000
975.098	135.362	0.120000
985.098	135.440	0.120000
995.098	135.429	0.120000
1005.098	135.407	0.120000
1015.098	135.557	0.120000
1025.098	135.369	0.120000
1035.098	135.404	0.120000
1045.098	135.467	0.120000
1055.097	135.453	0.120000
1065.097	135.379	0.120000
1075.068	135.444	0.120000
1085.068	135.449	0.120000
1095.068	135.528	0.120000
1105.068	135.486	0.120000
1115.068	135.491	0.120000
1125.056	135.526	0.120000
1135.056	135.451	0.120000
1145.056	135.485	0.120000
1155.056	135.475	0.120000
1165.056	135.435	0.120000
1175.056	135.428	0.120000
1185.056	135.445	0.120000
1195.056	135.444	0.120000
1205.056	135.399	0.120000
1215.056	135.431	0.120000
1225.056	135.383	0.120000
1235.056	135.500	0.120000
1245.056	135.366	0.120000
1255.056	135.401	0.120000
1265.056	135.435	0.120000
1275.056	135.378	0.120000
1285.055	135.362	0.120000
1295.055	135.541	0.120000
1305.055	135.421	0.120000
1315.055	135.387	0.120000
1325.055	135.408	0.120000
1335.055	135.412	0.120000
1345.055	135.495	0.120000
1355.055	135.462	0.120000
1365.055	135.482	0.120000
1375.055	135.465	0.120000
1385.055	135.491	0.120000
1395.055	135.522	0.120000
1405.055	135.508	0.120000
1415.055	135.496	0.120000
1425.055	135.300	0.120000
1435.055	135.503	0.120000
1445.055	135.550	0.120000
1455.055	135.472	0.120000
1465.055	135.542	0.120000
1475.055	135.498	0.120000
1485.055	135.487	0.120000
1495.055	135.478	0.120000
1505.055	135.465	0.120000
1515.055	135.467	0.120000
1525.052	135.486	0.120000
1535.052	135.469	0.120000
1545.052	135.487	0.120000
1555.052	135.502	0.120000
1565.052	135.418	0.120000
1575.052	135.545	0.120000
1585.046	135.542	0.120000



Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1595.046	135.487	0.120000
1605.046	135.479	0.120000
1615.046	135.415	0.120000
1625.046	135.334	0.120000
1635.046	135.366	0.120000
1645.036	135.358	0.120000
1655.036	135.377	0.120000
1665.036	135.362	0.120000
1675.036	135.435	0.120000
1685.036	135.421	0.120000
1695.036	135.444	0.120000
1705.033	135.394	0.120000
1715.033	135.391	0.120000
1725.033	135.467	0.120000
1735.033	135.436	0.120000
1745.033	135.381	0.120000
1755.033	135.340	0.120000
1765.033	135.373	0.120000
1775.033	135.370	0.120000
1785.033	135.450	0.120000
1795.032	135.375	0.120000
1805.032	135.429	0.120000
1815.032	135.286	0.120000
1825.032	135.315	0.120000
1835.032	135.297	0.120000
1845.032	135.263	0.120000
1855.032	135.271	0.120000
1865.032	135.326	0.120000
1875.032	135.302	0.120000
1885.032	135.370	0.120000
1895.029	135.434	0.120000
1905.029	135.443	0.120000
1915.029	135.394	0.120000
1925.029	135.333	0.120000
1935.029	135.430	0.120000
1945.029	135.394	0.120000
1955.029	135.360	0.120000
1965.029	135.356	0.120000
1975.029	135.327	0.120000
1985.029	135.396	0.120000
1995.029	135.432	0.120000
2005.029	135.437	0.120000
2015.029	135.473	0.120000
2025.029	135.363	0.120000
2035.029	135.341	0.120000
2045.029	135.308	0.120000
2055.029	135.402	0.120000
2065.029	135.331	0.120000
2075.029	135.365	0.120000
2085.029	135.358	0.120000
2095.029	135.384	0.120000
2105.028	135.409	0.120000
2115.028	135.354	0.120000
2125.028	135.399	0.120000
2135.028	135.415	0.120000
2145.028	135.280	0.120000
2155.028	135.302	0.120000
2165.028	135.342	0.120000
2175.028	135.349	0.120000
2185.028	135.354	0.120000
2195.028	135.485	0.120000
2205.028	135.496	0.120000
2214.969	135.434	0.120000
2224.969	135.468	0.120000
2234.898	135.440	0.120000
2244.898	135.421	0.120000
2254.898	135.341	0.120000
2264.898	135.369	0.120000
2274.690	135.445	0.120000
2284.539	135.456	0.120000
2294.539	135.443	0.120000
2304.539	135.420	0.120000
2314.539	135.433	0.120000

Existing Polk City Model (Basins 5-8)  
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2324.539	135.424	0.120000
2334.516	135.476	0.120000
2344.516	135.418	0.120000
2354.475	135.391	0.120000
2364.475	135.362	0.120000
2374.475	135.298	0.120000
2384.475	135.394	0.120000
2394.475	135.337	0.120000
2404.475	135.292	0.120000
2414.475	135.392	0.120000
2424.475	135.543	0.120000
2434.475	135.362	0.120000
2444.475	135.351	0.120000
2454.475	135.322	0.120000
2464.475	135.375	0.120000
2469.387	135.380	0.120000
2469.487	140.263	0.120000

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Name: RHH81161C Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.196	0.120000
0.000	136.522	0.120000
4.023	136.477	0.120000
14.023	136.305	0.120000
24.023	136.062	0.120000
34.023	135.854	0.120000
44.016	135.789	0.120000
53.908	135.821	0.120000
63.908	136.352	0.120000
73.908	136.522	0.120000
83.783	136.448	0.120000
93.783	136.431	0.120000
103.770	136.325	0.120000
113.770	136.289	0.120000
123.770	136.292	0.120000
133.769	136.346	0.120000
143.769	136.325	0.120000
152.774	136.012	0.120000
162.774	135.898	0.120000
172.774	135.934	0.120000
182.164	136.018	0.120000
192.164	136.137	0.120000
202.164	136.112	0.120000
212.164	136.163	0.120000
222.164	136.163	0.120000
232.164	136.201	0.120000
241.456	136.180	0.120000
251.226	136.259	0.120000
261.226	136.551	0.120000
269.548	136.661	0.120000
279.548	136.750	0.120000
289.548	136.851	0.120000
299.548	136.869	0.120000
309.523	137.044	0.120000
319.523	137.240	0.120000
329.523	137.747	0.120000
339.523	137.729	0.120000
348.989	137.562	0.120000
358.989	137.557	0.120000
368.970	137.364	0.120000
378.970	137.608	0.120000
388.051	137.781	0.120000
398.051	137.879	0.120000
408.051	137.867	0.120000
417.659	137.883	0.120000
427.659	137.909	0.120000
437.659	137.919	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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447.600	137.889	0.120000
457.600	137.864	0.120000
467.600	137.865	0.120000
477.567	137.895	0.120000
487.567	137.894	0.120000
494.491	137.887	0.120000
504.226	137.710	0.120000
514.226	137.582	0.120000
523.713	137.639	0.120000
533.713	137.625	0.120000
543.713	137.659	0.120000
552.791	137.514	0.120000
562.791	137.349	0.120000
571.448	137.648	0.120000
581.448	137.484	0.120000
591.012	137.185	0.120000
601.012	136.968	0.120000
611.012	136.909	0.120000
618.100	136.925	0.120000
628.100	136.898	0.120000
638.100	136.872	0.120000
648.029	136.863	0.120000
658.029	136.641	0.120000
668.029	136.632	0.120000
678.029	136.638	0.120000
688.024	136.633	0.120000
698.024	136.626	0.120000
707.937	136.634	0.120000
717.937	136.629	0.120000
727.937	136.620	0.120000
737.937	136.635	0.120000
747.929	136.624	0.120000
757.929	136.582	0.120000
767.929	136.596	0.120000
777.929	136.585	0.120000
787.868	136.774	0.120000
797.868	136.539	0.120000
807.868	136.518	0.120000
817.558	136.522	0.120000
827.558	136.617	0.120000
837.558	136.557	0.120000
847.558	136.438	0.120000
857.150	136.078	0.120000
867.150	136.063	0.120000
877.150	135.989	0.120000
887.069	135.896	0.120000
897.069	135.811	0.120000
907.069	135.679	0.120000
917.069	135.630	0.120000
927.069	135.652	0.120000
937.069	135.636	0.120000
947.069	135.584	0.120000
956.754	135.531	0.120000
966.754	135.441	0.120000
976.754	135.426	0.120000
986.754	135.334	0.120000
996.754	135.276	0.120000
1006.754	135.229	0.120000
1016.754	135.142	0.120000
1026.754	135.171	0.120000
1036.754	135.181	0.120000
1046.754	135.218	0.120000
1056.754	135.287	0.120000
1066.754	135.240	0.120000
1076.754	135.226	0.120000
1086.754	135.232	0.120000
1096.754	135.319	0.120000
1106.753	135.377	0.120000
1116.753	135.290	0.120000
1126.753	135.341	0.120000
1136.753	135.233	0.120000
1146.753	135.186	0.120000
1156.753	135.130	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1166.753	135.120	0.120000
1176.753	135.128	0.120000
1186.753	135.103	0.120000
1196.753	135.081	0.120000
1206.753	135.048	0.120000
1216.753	135.058	0.120000
1226.753	135.039	0.120000
1236.753	135.035	0.120000
1246.753	135.024	0.120000
1256.753	134.934	0.120000
1266.709	134.929	0.120000
1276.709	134.848	0.120000
1286.709	134.770	0.120000
1296.709	134.713	0.120000
1306.709	134.685	0.120000
1316.709	134.659	0.120000
1326.709	134.614	0.120000
1336.709	134.605	0.120000
1346.709	134.589	0.120000
1356.709	134.562	0.120000
1366.709	134.540	0.120000
1376.709	134.543	0.120000
1386.709	134.532	0.120000
1396.709	134.508	0.120000
1406.709	134.460	0.120000
1416.709	134.456	0.120000
1426.649	134.443	0.120000
1436.649	134.434	0.120000
1446.649	134.414	0.120000
1456.649	134.363	0.120000
1466.649	134.355	0.120000
1476.649	134.279	0.120000
1486.649	134.228	0.120000
1496.649	134.219	0.120000
1506.580	134.087	0.120000
1516.580	134.041	0.120000
1526.580	133.925	0.120000
1536.580	133.874	0.120000
1546.580	133.845	0.120000
1556.580	133.796	0.120000
1566.580	133.731	0.120000
1576.477	133.574	0.120000
1586.477	133.527	0.120000
1596.477	133.543	0.120000
1606.423	133.534	0.120000
1616.423	133.538	0.120000
1626.423	133.563	0.120000
1636.423	133.490	0.120000
1646.423	133.349	0.120000
1656.423	133.231	0.120000
1666.423	133.255	0.120000
1676.423	133.304	0.120000
1686.423	133.211	0.120000
1696.423	133.262	0.120000
1706.423	133.465	0.120000
1716.423	133.306	0.120000
1726.423	133.277	0.120000
1736.423	133.315	0.120000
1746.418	133.236	0.120000
1756.418	133.244	0.120000
1766.418	133.219	0.120000
1776.418	133.277	0.120000
1786.418	133.221	0.120000
1796.418	133.242	0.120000
1806.418	133.308	0.120000
1816.418	133.227	0.120000
1826.418	133.213	0.120000
1836.417	133.198	0.120000
1846.417	133.224	0.120000
1856.417	133.208	0.120000
1866.417	133.242	0.120000
1876.417	133.196	0.120000
1886.417	133.266	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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1896.417	133.256	0.120000
1906.417	133.225	0.120000
1916.417	133.277	0.120000
1926.417	133.294	0.120000
1936.375	133.285	0.120000
1946.375	133.273	0.120000
1956.375	133.292	0.120000
1966.375	133.374	0.120000
1976.375	133.386	0.120000
1976.475	138.196	0.120000

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 Name: RHH8117  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
1354.841	154.654	0.120000
1364.841	154.115	0.120000
1374.841	153.753	0.120000
1384.841	153.401	0.120000
1394.841	152.993	0.120000
1404.831	152.729	0.120000
1414.831	152.363	0.120000
1424.831	152.530	0.120000
1434.792	151.842	0.120000
1444.792	151.774	0.120000
1454.792	151.656	0.120000
1464.792	151.021	0.120000
1474.792	150.785	0.120000
1484.498	150.928	0.120000
1494.498	150.972	0.120000
1504.498	150.777	0.120000
1514.498	150.676	0.120000
1524.477	150.662	0.120000
1534.477	150.581	0.120000
1544.477	150.504	0.120000
1554.477	150.453	0.120000
1564.411	149.761	0.120000
1574.411	149.511	0.120000
1584.411	149.272	0.120000
1594.411	149.062	0.120000
1604.411	148.857	0.120000
1614.411	148.736	0.120000
1624.411	148.379	0.120000
1634.411	147.865	0.120000
1644.409	147.469	0.120000
1654.409	147.230	0.120000
1664.409	146.889	0.120000
1674.409	146.463	0.120000
1684.409	146.176	0.120000
1694.409	145.665	0.120000
1704.409	145.638	0.120000
1714.409	145.571	0.120000
1724.409	145.002	0.120000
1734.409	144.731	0.120000
1744.409	144.572	0.120000
1754.367	143.752	0.120000
1764.367	143.396	0.120000
1774.367	143.259	0.120000
1784.367	143.033	0.120000
1794.367	142.792	0.120000
1804.367	142.586	0.120000
1814.367	142.145	0.120000
1824.367	141.949	0.120000
1834.367	141.633	0.120000
1844.367	141.600	0.120000
1854.367	141.520	0.120000
1864.367	141.188	0.120000
1874.367	140.839	0.120000
1884.367	140.584	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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1894.367	140.259	0.120000
1904.367	140.119	0.120000
1914.367	139.995	0.120000
1924.367	139.755	0.120000
1934.367	139.485	0.120000
1944.367	139.373	0.120000
1954.367	139.318	0.120000
1964.359	139.288	0.120000
1974.359	139.001	0.120000
1984.359	138.921	0.120000
1994.359	138.524	0.120000
2004.359	138.359	0.120000
2014.359	138.075	0.120000
2024.359	137.909	0.120000
2034.359	137.630	0.120000
2044.359	137.462	0.120000
2054.332	137.305	0.120000
2064.332	137.162	0.120000
2074.332	137.040	0.120000
2084.332	136.840	0.120000
2094.332	136.498	0.120000
2104.332	136.284	0.120000
2114.332	136.160	0.120000
2124.332	135.974	0.120000
2134.332	135.744	0.120000
2144.332	135.534	0.120000
2154.332	135.372	0.120000
2164.332	135.289	0.120000
2174.332	135.143	0.120000
2184.331	135.061	0.120000
2194.331	134.915	0.120000
2204.331	134.819	0.120000
2214.331	134.692	0.120000
2224.331	134.649	0.120000
2234.331	134.633	0.120000
2244.331	134.596	0.120000
2253.903	134.556	0.120000
2263.903	134.539	0.120000
2273.903	134.472	0.120000
2283.903	134.435	0.120000
2293.903	134.420	0.120000
2303.903	134.379	0.120000
2313.903	134.334	0.120000
2323.824	134.260	0.120000
2333.824	134.199	0.120000
2343.824	134.135	0.120000
2353.824	134.067	0.120000
2363.824	134.030	0.120000
2373.824	134.027	0.120000
2383.776	134.020	0.120000
2393.776	133.954	0.120000
2403.776	133.932	0.120000
2413.776	134.208	0.120000
2423.776	134.363	0.120000
2433.732	134.254	0.120000
2443.732	134.060	0.120000
2453.732	133.987	0.120000
2463.732	133.732	0.120000
2473.732	133.661	0.120000
2483.732	133.616	0.120000
2493.732	133.609	0.120000
2503.732	133.595	0.120000
2513.732	133.621	0.120000
2523.732	133.656	0.120000
2533.087	133.673	0.120000
2543.087	133.689	0.120000
2553.087	133.700	0.120000
2563.087	133.728	0.120000
2573.087	133.746	0.120000
2580.946	133.747	0.120000
2590.946	133.701	0.120000
2600.946	133.471	0.120000
2610.946	133.267	0.120000

Existing Polk City Model (Basins 5-8)  
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2620.946	133.252	0.120000
2630.331	133.249	0.120000
2640.331	133.231	0.120000
2650.331	133.192	0.120000
2660.331	133.167	0.120000
2670.225	133.130	0.120000
2680.225	133.097	0.120000
2690.225	133.065	0.120000
2700.225	133.039	0.120000
2710.225	133.017	0.120000
2720.225	132.978	0.120000
2730.225	132.956	0.120000
2740.214	132.946	0.120000
2750.214	132.915	0.120000
2760.214	132.890	0.120000
2770.214	132.861	0.120000
2780.214	132.829	0.120000
2789.609	132.812	0.120000
2799.609	132.801	0.120000
2809.609	132.778	0.120000
2819.609	132.762	0.120000
2829.609	132.751	0.120000
2839.609	132.729	0.120000
2849.609	132.720	0.120000
2859.609	132.718	0.120000
2869.609	132.693	0.120000
2879.609	132.682	0.120000
2889.609	132.681	0.120000
2899.609	132.689	0.120000
2909.609	132.660	0.120000
2919.561	132.631	0.120000
2929.561	132.613	0.120000
2939.561	132.604	0.120000
2949.561	132.590	0.120000
2959.561	132.580	0.120000
2969.561	132.573	0.120000
2979.561	132.566	0.120000
2989.561	132.554	0.120000
2999.225	132.533	0.120000
3009.225	132.518	0.120000
3019.225	132.507	0.120000
3029.225	132.479	0.120000
3039.225	132.479	0.120000
3049.225	132.462	0.120000
3059.225	132.452	0.120000
3069.225	132.436	0.120000
3079.196	132.422	0.120000
3089.196	132.416	0.120000
3099.196	132.442	0.120000
3109.196	132.487	0.120000
3119.196	132.540	0.120000
3127.935	132.523	0.120000
3137.935	132.496	0.120000
3147.935	132.425	0.120000
3157.935	132.364	0.120000
3167.935	132.329	0.120000
3177.935	132.329	0.120000
3187.935	132.333	0.120000
3197.935	132.329	0.120000
3207.785	132.320	0.120000
3217.785	132.310	0.120000
3227.785	132.317	0.120000
3237.785	132.308	0.120000
3247.785	132.297	0.120000
3257.785	132.279	0.120000
3267.785	132.279	0.120000
3277.785	132.269	0.120000
3287.785	132.248	0.120000
3297.785	132.254	0.120000
3307.785	132.279	0.120000
3315.887	132.313	0.120000
3325.887	132.226	0.120000
3335.887	132.210	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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3345.887	132.207	0.120000
3355.887	132.191	0.120000
3364.237	132.191	0.120000
3374.237	132.182	0.120000
3384.237	132.178	0.120000
3394.237	132.169	0.120000
3404.237	132.160	0.120000
3414.237	132.152	0.120000
3424.237	132.143	0.120000
3434.237	132.135	0.120000
3444.237	132.130	0.120000
3454.237	132.116	0.120000
3464.237	132.098	0.120000
3474.237	132.086	0.120000
3484.237	132.071	0.120000
3494.237	132.062	0.120000
3504.237	132.047	0.120000
3514.237	132.032	0.120000
3524.237	132.019	0.120000
3534.065	132.008	0.120000
3544.065	131.992	0.120000
3554.065	131.979	0.120000
3564.065	131.965	0.120000
3574.065	131.954	0.120000
3584.065	131.871	0.120000
3594.065	131.840	0.120000
3604.065	131.884	0.120000
3613.519	131.958	0.120000
3623.519	132.011	0.120000
3633.519	132.009	0.120000
3643.519	132.022	0.120000
3653.519	132.041	0.120000
3661.466	132.018	0.120000
3671.466	131.964	0.120000
3681.466	131.979	0.120000
3691.466	131.905	0.120000
3701.466	131.858	0.120000
3711.466	131.830	0.120000
3721.466	131.820	0.120000
3731.466	131.811	0.120000
3741.466	131.806	0.120000
3751.466	131.793	0.120000
3760.298	131.788	0.120000
3770.298	131.788	0.120000
3780.298	131.778	0.120000
3790.298	131.780	0.120000
3800.298	131.779	0.120000
3810.298	131.781	0.120000
3820.298	131.778	0.120000
3830.298	131.766	0.120000
3840.298	131.770	0.120000
3850.298	131.770	0.120000
3860.264	131.770	0.120000
3870.264	131.771	0.120000
3880.264	131.771	0.120000
3890.264	131.775	0.120000
3900.264	131.770	0.120000
3910.264	131.775	0.120000
3920.264	131.770	0.120000
3929.986	131.765	0.120000
3939.986	131.763	0.120000
3949.986	131.760	0.120000
3959.986	131.749	0.120000
3969.986	131.743	0.120000
3979.986	131.742	0.120000
3989.986	131.734	0.120000
3999.986	131.731	0.120000
4009.986	131.726	0.120000
4019.986	131.720	0.120000
4029.986	131.716	0.120000
4039.986	131.710	0.120000
4049.986	131.702	0.120000
4059.986	131.697	0.120000



Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4069.986	131.691	0.120000
4079.986	131.689	0.120000
4089.596	131.684	0.120000
4099.596	131.698	0.120000
4109.596	131.692	0.120000
4119.596	131.692	0.120000
4129.596	131.697	0.120000
4139.596	131.698	0.120000
4149.410	131.700	0.120000
4159.410	131.693	0.120000
4169.410	131.684	0.120000
4179.410	131.674	0.120000
4189.410	131.661	0.120000
4199.410	131.651	0.120000
4209.410	131.637	0.120000
4219.410	131.628	0.120000
4229.410	131.622	0.120000
4239.410	131.619	0.120000
4248.862	131.612	0.120000
4258.862	131.591	0.120000
4268.862	131.587	0.120000
4278.862	131.579	0.120000
4288.858	131.580	0.120000
4298.858	131.575	0.120000
4308.858	131.565	0.120000
4318.858	131.555	0.120000
4327.861	131.546	0.120000
4337.861	131.531	0.120000
4347.861	131.515	0.120000
4357.861	131.500	0.120000
4367.861	131.493	0.120000
4377.861	131.486	0.120000
4387.861	131.461	0.120000
4397.861	131.463	0.120000
4407.861	131.513	0.120000
4417.861	131.530	0.120000
4427.861	131.584	0.120000
4437.861	131.637	0.120000
4447.229	131.647	0.120000
4457.229	131.683	0.120000
4467.229	131.714	0.120000
4477.229	131.704	0.120000
4487.229	131.720	0.120000
4497.229	131.708	0.120000
4507.229	131.672	0.120000
4517.229	131.682	0.120000
4527.229	131.674	0.120000
4537.229	131.738	0.120000
4547.223	131.758	0.120000
4557.223	131.770	0.120000
4567.223	131.775	0.120000
4577.223	131.782	0.120000
4587.223	131.798	0.120000
4597.223	131.772	0.120000
4606.361	131.755	0.120000
4616.361	131.646	0.120000
4626.361	131.625	0.120000
4636.361	131.429	0.120000
4646.361	131.450	0.120000
4656.361	131.774	0.120000
4666.361	131.780	0.120000
4675.352	131.780	0.120000
4685.352	131.775	0.120000
4695.352	131.737	0.120000
4705.352	131.737	0.120000
4715.352	131.766	0.120000
4725.352	131.845	0.120000
4735.352	131.671	0.120000
4745.352	131.794	0.120000
4755.243	131.690	0.120000
4765.243	131.671	0.120000
4775.243	131.646	0.120000
4785.243	131.659	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4795.243	131.660	0.120000
4805.212	131.650	0.120000
4815.212	131.650	0.120000
4825.212	131.645	0.120000
4835.212	131.675	0.120000
4845.212	131.653	0.120000
4855.212	131.712	0.120000
4865.212	131.719	0.120000
4875.212	131.710	0.120000
4885.212	131.693	0.120000
4895.212	131.676	0.120000
4905.212	131.657	0.120000
4915.212	131.685	0.120000
4925.212	131.707	0.120000
4935.168	131.703	0.120000
4945.168	131.710	0.120000
4955.168	131.702	0.120000
4965.168	131.709	0.120000
4975.168	131.667	0.120000
4985.168	131.703	0.120000
4995.167	131.705	0.120000
5005.167	131.708	0.120000
5015.167	131.699	0.120000
5025.167	131.701	0.120000
5035.167	131.704	0.120000
5045.167	131.696	0.120000
5055.166	131.702	0.120000
5065.166	131.704	0.120000
5075.166	131.707	0.120000
5085.166	131.700	0.120000
5095.166	131.702	0.120000
5105.166	131.705	0.120000
5115.165	131.699	0.120000
5125.165	131.702	0.120000
5135.165	131.701	0.120000
5145.165	131.704	0.120000
5155.165	131.707	0.120000
5164.297	131.704	0.120000
5174.297	131.710	0.120000
5184.297	131.377	0.120000
5194.297	131.246	0.120000
5204.297	131.244	0.120000
5214.297	131.232	0.120000
5224.297	131.233	0.120000
5234.297	131.257	0.120000
5244.297	131.315	0.120000
5254.297	131.577	0.120000
5264.297	131.786	0.120000
5274.259	131.660	0.120000
5284.259	131.555	0.120000
5294.259	131.214	0.120000
5304.259	131.118	0.120000
5314.259	131.161	0.120000
5324.259	131.212	0.120000
5334.259	131.278	0.120000
5344.259	131.318	0.120000
5354.184	131.322	0.120000
5364.184	131.370	0.120000
5374.184	131.549	0.120000
5384.184	131.612	0.120000
5394.184	131.591	0.120000
5403.345	131.582	0.120000
5413.345	131.599	0.120000
5423.345	131.625	0.120000
5433.345	131.662	0.120000
5443.345	131.678	0.120000
5453.345	131.704	0.120000
5463.315	131.740	0.120000
5473.315	131.753	0.120000
5483.315	131.772	0.120000
5493.315	131.799	0.120000
5503.315	131.847	0.120000
5511.652	131.848	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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5521.652	131.830	0.120000
5531.652	131.853	0.120000
5541.652	131.931	0.120000
5551.652	131.958	0.120000
5561.652	131.811	0.120000
5571.652	131.762	0.120000
5581.652	131.771	0.120000
5591.635	131.785	0.120000
5601.635	131.799	0.120000
5611.460	131.858	0.120000
5621.460	132.052	0.120000
5629.495	132.153	0.120000
5639.495	131.948	0.120000
5649.495	131.890	0.120000
5659.495	131.842	0.120000
5669.495	131.822	0.120000
5679.495	131.786	0.120000
5689.495	131.774	0.120000
5699.495	131.771	0.120000
5709.495	131.779	0.120000
5719.495	131.816	0.120000
5729.495	131.845	0.120000
5739.495	131.850	0.120000
5749.263	132.204	0.120000
5759.263	133.513	0.120000
5769.263	134.984	0.120000
5779.263	135.299	0.120000
5789.263	135.380	0.120000
5789.363	176.836	0.120000

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Name: RHH81171 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	146.745	0.120000
0.000	139.963	0.120000
2.627	139.963	0.120000
12.627	139.509	0.120000
22.627	138.752	0.120000
32.627	139.320	0.120000
42.627	139.572	0.120000
52.627	141.872	0.120000
62.627	144.374	0.120000
72.627	146.414	0.120000
82.627	146.745	0.120000
90.999	146.715	0.120000
100.999	146.596	0.120000
110.999	146.372	0.120000
120.999	146.128	0.120000
130.999	145.638	0.120000
140.999	145.249	0.120000
150.999	145.070	0.120000
160.999	144.658	0.120000
170.999	144.337	0.120000
180.999	144.024	0.120000
190.999	143.989	0.120000
200.988	143.955	0.120000
210.988	143.938	0.120000
220.988	143.951	0.120000
230.988	143.988	0.120000
240.988	144.174	0.120000
250.988	144.426	0.120000
260.988	144.570	0.120000
270.988	144.558	0.120000
280.988	144.720	0.120000
290.980	144.724	0.120000
300.980	144.622	0.120000
310.980	144.792	0.120000
320.980	144.665	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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330.980	144.879	0.120000
340.980	144.452	0.120000
350.980	144.619	0.120000
360.980	144.548	0.120000
370.980	144.356	0.120000
380.980	144.255	0.120000
390.980	144.086	0.120000
400.344	143.894	0.120000
410.344	143.807	0.120000
420.344	143.651	0.120000
430.344	143.545	0.120000
440.344	143.437	0.120000
450.344	143.405	0.120000
460.344	143.372	0.120000
470.305	143.346	0.120000
480.305	143.295	0.120000
490.305	143.303	0.120000
500.305	143.215	0.120000
510.305	143.153	0.120000
520.305	143.108	0.120000
530.305	143.150	0.120000
540.305	143.099	0.120000
550.305	143.026	0.120000
560.305	143.047	0.120000
570.300	143.001	0.120000
580.300	143.031	0.120000
590.300	142.938	0.120000
600.300	142.926	0.120000
610.300	142.871	0.120000
620.300	142.803	0.120000
630.300	142.835	0.120000
640.300	142.744	0.120000
650.300	142.754	0.120000
660.300	142.796	0.120000
670.300	142.787	0.120000
680.300	142.813	0.120000
690.300	142.763	0.120000
700.300	142.760	0.120000
710.300	142.743	0.120000
720.278	142.740	0.120000
730.278	142.760	0.120000
740.278	142.773	0.120000
750.278	142.745	0.120000
760.278	142.698	0.120000
770.278	142.680	0.120000
780.278	142.676	0.120000
790.278	142.672	0.120000
800.278	142.645	0.120000
810.278	142.615	0.120000
820.278	142.576	0.120000
830.278	142.575	0.120000
840.278	142.614	0.120000
849.138	142.592	0.120000
859.138	142.494	0.120000
869.138	142.334	0.120000
879.138	142.128	0.120000
889.138	141.925	0.120000
899.138	141.726	0.120000
909.138	141.634	0.120000
919.138	141.486	0.120000
929.138	141.373	0.120000
939.138	141.287	0.120000
949.138	141.250	0.120000
958.951	141.174	0.120000
968.951	141.076	0.120000
978.951	140.943	0.120000
988.951	140.850	0.120000
998.951	140.714	0.120000
1008.951	140.609	0.120000
1018.951	140.545	0.120000
1028.951	140.517	0.120000
1038.951	140.464	0.120000
1048.951	140.423	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1058.951	140.415	0.120000
1068.951	140.376	0.120000
1078.951	140.327	0.120000
1088.951	140.277	0.120000
1098.951	140.231	0.120000
1108.951	140.156	0.120000
1117.413	140.093	0.120000
1127.413	140.078	0.120000
1137.413	140.035	0.120000
1147.145	139.993	0.120000
1157.145	139.947	0.120000
1167.144	139.921	0.120000
1177.144	139.920	0.120000
1186.344	139.902	0.120000
1196.344	139.887	0.120000
1206.344	139.875	0.120000
1216.344	139.879	0.120000
1226.344	139.913	0.120000
1236.010	139.945	0.120000
1246.010	139.990	0.120000
1256.010	140.004	0.120000
1266.010	140.012	0.120000
1276.010	140.026	0.120000
1286.010	140.030	0.120000
1296.010	140.033	0.120000
1306.010	140.007	0.120000
1316.010	139.989	0.120000
1326.010	139.955	0.120000
1336.010	139.944	0.120000
1346.010	139.908	0.120000
1355.980	139.846	0.120000
1365.980	139.775	0.120000
1375.980	139.687	0.120000
1385.980	139.560	0.120000
1395.980	139.436	0.120000
1405.980	139.376	0.120000
1415.980	139.394	0.120000
1425.980	139.420	0.120000
1435.980	139.411	0.120000
1445.980	139.355	0.120000
1455.980	139.356	0.120000
1465.980	139.374	0.120000
1475.980	139.388	0.120000
1485.980	139.410	0.120000
1495.980	139.436	0.120000
1505.980	139.480	0.120000
1515.980	139.481	0.120000
1525.980	139.454	0.120000
1534.675	139.529	0.120000
1544.675	139.548	0.120000
1554.675	139.412	0.120000
1564.675	139.322	0.120000
1574.675	139.244	0.120000
1584.675	139.143	0.120000
1594.675	139.064	0.120000
1604.675	139.069	0.120000
1614.675	139.331	0.120000
1624.429	139.285	0.120000
1634.429	139.240	0.120000
1644.429	139.049	0.120000
1654.429	138.937	0.120000
1664.429	138.854	0.120000
1674.429	138.753	0.120000
1684.429	138.713	0.120000
1694.429	138.730	0.120000
1704.429	138.731	0.120000
1714.429	138.673	0.120000
1724.429	138.665	0.120000
1734.429	138.654	0.120000
1744.429	138.656	0.120000
1754.429	138.671	0.120000
1764.429	138.734	0.120000
1774.429	138.830	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1784.429	138.860	0.120000
1794.429	138.843	0.120000
1804.429	138.795	0.120000
1814.429	138.800	0.120000
1823.907	138.810	0.120000
1833.907	138.791	0.120000
1843.907	138.771	0.120000
1853.907	138.832	0.120000
1863.907	138.852	0.120000
1873.907	138.857	0.120000
1883.907	138.886	0.120000
1893.907	138.943	0.120000
1903.907	138.953	0.120000
1913.907	138.933	0.120000
1923.907	138.914	0.120000
1933.907	138.844	0.120000
1943.907	138.812	0.120000
1953.907	138.861	0.120000
1963.907	138.916	0.120000
1973.907	138.949	0.120000
1983.907	139.003	0.120000
1993.907	139.022	0.120000
2003.907	139.031	0.120000
2013.907	139.015	0.120000
2023.907	138.993	0.120000
2033.784	138.990	0.120000
2043.784	138.970	0.120000
2053.784	138.973	0.120000
2063.784	139.056	0.120000
2073.784	139.136	0.120000
2083.784	139.274	0.120000
2093.784	139.250	0.120000
2103.784	139.203	0.120000
2113.784	139.048	0.120000
2123.784	138.824	0.120000
2133.784	138.892	0.120000
2143.784	138.953	0.120000
2153.784	138.869	0.120000
2163.784	138.791	0.120000
2173.784	138.655	0.120000
2183.784	138.446	0.120000
2193.784	138.387	0.120000
2203.773	138.334	0.120000
2213.773	138.285	0.120000
2223.773	138.064	0.120000
2233.773	137.913	0.120000
2243.773	137.839	0.120000
2253.773	137.722	0.120000
2263.773	137.627	0.120000
2273.773	137.412	0.120000
2283.773	137.304	0.120000
2293.773	137.157	0.120000
2303.773	137.052	0.120000
2313.773	137.038	0.120000
2323.700	137.076	0.120000
2333.700	137.005	0.120000
2343.700	136.847	0.120000
2353.700	136.797	0.120000
2363.700	136.733	0.120000
2373.700	136.722	0.120000
2383.700	136.790	0.120000
2393.700	136.856	0.120000
2403.700	136.880	0.120000
2413.700	136.875	0.120000
2423.690	136.922	0.120000
2433.690	137.063	0.120000
2443.690	137.116	0.120000
2453.690	137.186	0.120000
2463.690	137.316	0.120000
2473.690	137.477	0.120000
2483.690	137.660	0.120000
2493.690	137.876	0.120000
2503.690	138.096	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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2513.690	138.309	0.120000
2523.690	138.419	0.120000
2533.690	138.628	0.120000
2543.690	138.892	0.120000
2553.690	139.169	0.120000
2563.661	139.507	0.120000
2573.661	139.728	0.120000
2583.661	140.166	0.120000
2593.661	140.581	0.120000
2603.661	140.743	0.120000
2613.661	141.053	0.120000
2623.661	141.342	0.120000
2633.661	141.507	0.120000
2643.661	141.814	0.120000
2653.661	142.064	0.120000
2663.661	142.184	0.120000
2673.661	142.379	0.120000
2683.661	142.485	0.120000
2693.627	142.660	0.120000
2703.627	142.702	0.120000
2713.627	142.773	0.120000
2723.552	142.928	0.120000
2733.522	143.026	0.120000
2743.522	143.142	0.120000
2753.522	143.214	0.120000
2763.454	143.296	0.120000
2773.454	143.369	0.120000
2783.454	143.453	0.120000
2793.440	143.511	0.120000
2803.440	143.567	0.120000
2813.440	143.580	0.120000
2823.440	143.579	0.120000
2833.377	143.592	0.120000
2843.377	143.601	0.120000
2843.477	146.745	0.120000

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 Name: RHH81171A  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	144.258	0.120000
0.000	139.643	0.120000
3.728	139.523	0.120000
13.728	139.478	0.120000
23.728	139.557	0.120000
33.728	139.527	0.120000
43.728	139.675	0.120000
53.728	139.752	0.120000
63.728	139.623	0.120000
73.728	139.808	0.120000
83.728	139.655	0.120000
93.728	139.588	0.120000
103.728	139.672	0.120000
113.728	139.696	0.120000
123.728	139.710	0.120000
133.728	139.784	0.120000
143.728	139.723	0.120000
153.728	139.813	0.120000
163.728	139.793	0.120000
173.728	139.705	0.120000
183.728	139.695	0.120000
193.728	139.750	0.120000
203.728	139.860	0.120000
213.728	139.896	0.120000
223.728	139.747	0.120000
233.728	139.725	0.120000
243.728	139.741	0.120000
253.728	139.777	0.120000
263.728	139.643	0.120000

Existing Polk City Model (Basins 5-8)  
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273.728	139.622	0.120000
283.728	139.564	0.120000
293.728	139.682	0.120000
303.728	139.624	0.120000
313.728	139.746	0.120000
323.728	139.809	0.120000
333.728	139.482	0.120000
343.728	139.795	0.120000
353.728	139.570	0.120000
363.728	139.571	0.120000
373.728	139.525	0.120000
383.728	139.474	0.120000
393.728	139.529	0.120000
403.728	139.493	0.120000
413.728	139.258	0.120000
423.724	139.500	0.120000
433.724	139.509	0.120000
443.724	139.630	0.120000
453.724	139.654	0.120000
463.724	139.406	0.120000
473.724	139.604	0.120000
483.724	139.618	0.120000
493.724	139.835	0.120000
503.724	139.524	0.120000
513.724	139.495	0.120000
523.724	139.733	0.120000
533.724	139.750	0.120000
543.724	139.824	0.120000
553.724	139.563	0.120000
563.724	139.533	0.120000
573.724	139.720	0.120000
583.724	139.707	0.120000
593.724	139.732	0.120000
603.724	139.632	0.120000
613.724	139.647	0.120000
623.724	139.598	0.120000
633.724	139.738	0.120000
643.724	139.704	0.120000
653.724	139.715	0.120000
663.724	139.813	0.120000
673.724	139.810	0.120000
683.724	139.907	0.120000
693.724	139.753	0.120000
703.724	139.761	0.120000
713.724	139.734	0.120000
723.724	139.652	0.120000
733.724	139.722	0.120000
743.724	139.655	0.120000
753.724	139.703	0.120000
763.724	139.738	0.120000
773.724	139.636	0.120000
783.724	139.723	0.120000
793.724	139.698	0.120000
803.724	139.580	0.120000
813.724	139.420	0.120000
823.724	139.591	0.120000
833.724	139.711	0.120000
843.724	139.632	0.120000
853.695	139.738	0.120000
863.695	139.785	0.120000
873.695	139.627	0.120000
883.695	139.703	0.120000
893.695	139.660	0.120000
903.695	139.653	0.120000
913.695	139.619	0.120000
923.695	139.674	0.120000
933.695	139.641	0.120000
943.695	139.704	0.120000
953.695	139.681	0.120000
963.695	139.760	0.120000
973.695	139.729	0.120000
983.695	139.717	0.120000
993.695	139.661	0.120000



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1003.695	139.698	0.120000
1013.695	139.731	0.120000
1023.695	139.875	0.120000
1033.695	140.128	0.120000
1043.695	140.026	0.120000
1053.695	140.065	0.120000
1063.695	140.055	0.120000
1073.695	140.102	0.120000
1083.695	140.169	0.120000
1093.695	140.427	0.120000
1103.695	140.186	0.120000
1113.695	140.357	0.120000
1123.695	140.244	0.120000
1133.695	140.260	0.120000
1143.695	140.521	0.120000
1153.695	140.440	0.120000
1163.695	140.138	0.120000
1173.695	140.088	0.120000
1183.695	140.147	0.120000
1193.695	140.216	0.120000
1203.695	140.229	0.120000
1213.689	140.463	0.120000
1223.689	140.379	0.120000
1233.689	140.172	0.120000
1243.689	140.370	0.120000
1252.453	140.199	0.120000
1252.553	144.258	0.120000

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Name: RHH81172                                           Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.657	0.120000
0.000	137.588	0.120000
10.000	137.782	0.120000
20.000	137.840	0.120000
30.000	137.837	0.120000
40.000	137.816	0.120000
50.000	137.634	0.120000
60.000	137.588	0.120000
69.998	137.503	0.120000
79.998	137.472	0.120000
89.998	137.308	0.120000
99.998	137.197	0.120000
109.998	137.071	0.120000
119.998	136.929	0.120000
129.968	136.795	0.120000
139.968	136.657	0.120000
148.580	136.557	0.120000
148.680	141.657	0.120000

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Name: RHH81172B                                           Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.081	0.120000
0.000	136.395	0.120000
4.478	136.475	0.120000
14.478	136.549	0.120000
24.478	136.476	0.120000
34.478	136.487	0.120000
44.478	136.402	0.120000
54.478	136.218	0.120000
64.478	136.131	0.120000
74.478	136.081	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
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84.478	136.102	0.120000
94.478	136.101	0.120000
104.478	136.097	0.120000
114.478	136.118	0.120000
124.478	136.129	0.120000
134.478	136.128	0.120000
144.478	136.190	0.120000
154.478	136.151	0.120000
164.478	136.189	0.120000
174.478	136.205	0.120000
184.478	136.194	0.120000
194.478	136.222	0.120000
204.478	136.201	0.120000
214.478	136.235	0.120000
224.478	136.296	0.120000
234.478	136.330	0.120000
244.478	136.319	0.120000
254.478	136.322	0.120000
264.478	136.278	0.120000
274.478	136.449	0.120000
284.478	136.469	0.120000
294.478	136.485	0.120000
304.478	136.513	0.120000
314.478	136.545	0.120000
324.478	136.608	0.120000
334.478	136.559	0.120000
344.478	136.471	0.120000
354.478	136.594	0.120000
364.478	136.549	0.120000
374.478	136.618	0.120000
384.478	136.644	0.120000
394.478	136.709	0.120000
404.478	136.734	0.120000
414.478	136.711	0.120000
424.478	136.777	0.120000
434.478	136.799	0.120000
444.478	136.840	0.120000
454.478	136.824	0.120000
464.478	136.822	0.120000
474.478	136.796	0.120000
484.478	136.840	0.120000
494.478	136.777	0.120000
504.478	136.798	0.120000
514.478	137.013	0.120000
524.478	137.058	0.120000
534.478	137.119	0.120000
544.478	137.197	0.120000
554.478	137.166	0.120000
564.478	137.179	0.120000
574.478	137.269	0.120000
584.478	137.239	0.120000
594.478	137.318	0.120000
604.478	137.378	0.120000
614.478	137.321	0.120000
624.478	137.396	0.120000
634.478	137.347	0.120000
644.478	137.469	0.120000
654.478	137.263	0.120000
664.478	137.430	0.120000
664.578	141.081	0.120000

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 Name: RHH81173  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	143.596	0.120000
0.000	143.601	0.120000
7.271	143.596	0.120000
17.271	143.586	0.120000

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159.986	135.541	0.120000
169.986	135.452	0.120000
179.983	135.488	0.120000
189.983	135.464	0.120000
199.983	135.421	0.120000
209.983	135.413	0.120000
219.983	135.447	0.120000
229.982	135.520	0.120000
239.982	135.450	0.120000
249.982	135.414	0.120000
259.982	135.451	0.120000
269.982	135.580	0.120000
279.982	135.552	0.120000
289.982	135.376	0.120000
299.982	135.493	0.120000
309.979	135.503	0.120000
319.979	135.549	0.120000
329.979	135.521	0.120000
339.979	135.565	0.120000
349.979	135.434	0.120000
359.979	135.520	0.120000
369.979	135.542	0.120000
379.979	135.502	0.120000
389.979	135.534	0.120000
399.979	135.488	0.120000
409.979	135.489	0.120000
419.979	135.505	0.120000
429.979	135.536	0.120000
439.979	135.534	0.120000
449.972	135.531	0.120000
459.972	135.504	0.120000
469.972	135.505	0.120000
479.972	135.508	0.120000
489.972	135.540	0.120000
499.972	135.638	0.120000
509.972	135.561	0.120000
519.972	135.545	0.120000
529.972	135.636	0.120000
539.972	135.574	0.120000
549.972	135.523	0.120000
559.972	135.561	0.120000
569.937	135.576	0.120000
579.937	135.557	0.120000
589.937	135.540	0.120000
599.937	135.506	0.120000
609.909	135.574	0.120000
619.909	135.475	0.120000
629.909	135.596	0.120000
639.909	135.474	0.120000
649.909	135.444	0.120000
659.909	135.501	0.120000
669.909	135.531	0.120000
679.909	135.491	0.120000
689.909	135.521	0.120000
699.909	135.476	0.120000
709.909	135.484	0.120000
719.909	135.620	0.120000
729.909	135.460	0.120000
739.909	135.539	0.120000
749.909	135.567	0.120000
759.909	135.589	0.120000
769.909	135.553	0.120000
779.909	135.564	0.120000
789.909	135.569	0.120000
799.909	135.447	0.120000
809.909	135.538	0.120000
819.909	135.554	0.120000
829.908	135.528	0.120000
839.908	135.538	0.120000
849.908	135.520	0.120000
859.908	135.529	0.120000
869.908	135.492	0.120000
879.908	135.453	0.120000

Existing Polk City Model (Basins 5-8)  
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889.908	135.565	0.120000
899.903	135.551	0.120000
909.903	135.622	0.120000
919.903	135.571	0.120000
929.903	135.496	0.120000
939.903	135.482	0.120000
949.903	135.472	0.120000
959.903	135.421	0.120000
969.903	135.542	0.120000
979.901	135.536	0.120000
989.901	135.452	0.120000
999.901	135.568	0.120000
1009.901	135.459	0.120000
1019.901	135.639	0.120000
1029.901	135.578	0.120000
1039.901	135.512	0.120000
1049.901	135.511	0.120000
1059.901	135.590	0.120000
1069.896	135.497	0.120000
1079.896	135.529	0.120000
1089.896	135.520	0.120000
1099.896	135.473	0.120000
1109.896	135.471	0.120000
1119.896	135.482	0.120000
1129.896	135.498	0.120000
1139.896	135.505	0.120000
1149.896	135.515	0.120000
1159.887	135.572	0.120000
1169.887	135.512	0.120000
1179.887	135.545	0.120000
1189.887	135.560	0.120000
1199.887	135.574	0.120000
1209.887	135.615	0.120000
1219.887	135.621	0.120000
1229.887	135.649	0.120000
1239.887	135.625	0.120000
1249.887	135.517	0.120000
1259.887	135.568	0.120000
1269.887	135.605	0.120000
1279.887	135.508	0.120000
1289.885	135.514	0.120000
1299.885	135.551	0.120000
1309.885	135.513	0.120000
1319.885	135.584	0.120000
1329.885	135.590	0.120000
1339.885	135.645	0.120000
1349.885	135.641	0.120000
1359.885	135.658	0.120000
1369.884	135.633	0.120000
1379.884	135.654	0.120000
1389.884	135.631	0.120000
1399.884	135.645	0.120000
1409.884	135.713	0.120000
1419.884	135.609	0.120000
1429.884	135.797	0.120000
1439.884	135.738	0.120000
1449.884	135.675	0.120000
1459.884	135.617	0.120000
1469.884	135.547	0.120000
1479.884	135.677	0.120000
1489.884	135.656	0.120000
1499.884	135.684	0.120000
1509.884	135.674	0.120000
1519.884	135.576	0.120000
1529.884	135.702	0.120000
1539.884	135.613	0.120000
1549.884	135.518	0.120000
1559.884	135.583	0.120000
1569.884	135.509	0.120000
1579.884	135.516	0.120000
1589.884	135.489	0.120000
1599.884	135.568	0.120000
1609.884	135.544	0.120000

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1619.884	135.623	0.120000
1629.884	135.475	0.120000
1639.883	135.616	0.120000
1649.883	135.568	0.120000
1659.883	135.517	0.120000
1669.883	135.505	0.120000
1679.883	135.654	0.120000
1689.883	135.644	0.120000
1699.883	135.603	0.120000
1709.883	135.697	0.120000
1719.883	135.723	0.120000
1729.883	135.755	0.120000
1739.883	135.648	0.120000
1749.879	135.698	0.120000
1759.879	135.717	0.120000
1769.879	135.784	0.120000
1779.879	135.847	0.120000
1789.879	135.859	0.120000
1799.879	135.776	0.120000
1809.879	135.840	0.120000
1819.879	135.792	0.120000
1829.879	135.809	0.120000
1839.879	135.787	0.120000
1849.879	135.791	0.120000
1859.878	135.801	0.120000
1869.878	135.756	0.120000
1879.878	135.810	0.120000
1889.878	135.809	0.120000
1899.878	135.699	0.120000
1909.878	135.700	0.120000
1919.878	135.708	0.120000
1929.878	135.724	0.120000
1939.878	135.586	0.120000
1949.878	135.669	0.120000
1959.878	135.647	0.120000
1969.878	135.613	0.120000
1979.878	135.545	0.120000
1989.878	135.545	0.120000
1999.878	135.538	0.120000
2009.877	135.540	0.120000
2019.877	135.545	0.120000
2029.877	135.627	0.120000
2039.877	135.475	0.120000
2049.877	135.575	0.120000
2059.877	135.487	0.120000
2069.877	135.547	0.120000
2079.877	135.417	0.120000
2089.876	135.470	0.120000
2099.876	135.533	0.120000
2109.876	135.644	0.120000
2119.876	135.613	0.120000
2129.876	135.505	0.120000
2139.876	135.557	0.120000
2149.876	135.624	0.120000
2159.876	135.558	0.120000
2169.876	135.613	0.120000
2179.875	135.564	0.120000
2189.875	135.620	0.120000
2199.875	135.700	0.120000
2209.875	135.659	0.120000
2219.875	135.697	0.120000
2229.875	135.762	0.120000
2239.875	135.738	0.120000
2249.875	135.684	0.120000
2259.870	135.680	0.120000
2269.870	135.697	0.120000
2279.870	135.863	0.120000
2289.870	135.747	0.120000
2299.870	135.804	0.120000
2309.870	135.832	0.120000
2319.870	135.887	0.120000
2329.870	135.846	0.120000
2339.870	135.997	0.120000

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2349.870	136.123	0.120000
2359.870	136.132	0.120000
2369.868	136.168	0.120000
2379.868	136.221	0.120000
2389.868	136.176	0.120000
2399.868	136.201	0.120000
2409.868	136.329	0.120000
2419.868	136.401	0.120000
2429.868	136.194	0.120000
2439.868	136.225	0.120000
2449.864	136.109	0.120000
2459.864	136.239	0.120000
2469.864	136.381	0.120000
2479.864	136.351	0.120000
2489.864	136.303	0.120000
2499.864	136.405	0.120000
2509.864	136.330	0.120000
2519.853	136.365	0.120000
2529.853	136.263	0.120000
2539.853	136.636	0.120000
2549.853	136.436	0.120000
2559.853	136.366	0.120000
2569.853	136.487	0.120000
2579.853	136.394	0.120000
2589.853	136.407	0.120000
2599.853	136.366	0.120000
2609.853	136.501	0.120000
2619.853	136.432	0.120000
2629.853	136.266	0.120000
2639.853	136.470	0.120000
2649.853	136.431	0.120000
2659.853	136.578	0.120000
2669.853	136.422	0.120000
2679.853	136.342	0.120000
2689.853	136.367	0.120000
2699.853	136.474	0.120000
2709.853	136.359	0.120000
2719.853	136.321	0.120000
2729.853	136.443	0.120000
2739.853	136.649	0.120000
2749.845	136.269	0.120000
2759.845	136.365	0.120000
2769.845	136.747	0.120000
2779.845	136.319	0.120000
2789.845	136.433	0.120000
2799.845	136.737	0.120000
2809.845	136.512	0.120000
2819.845	136.576	0.120000
2829.845	136.497	0.120000
2839.845	136.419	0.120000
2849.845	136.694	0.120000
2859.845	136.571	0.120000
2869.845	136.442	0.120000
2879.842	136.527	0.120000
2889.842	136.760	0.120000
2899.842	136.469	0.120000
2909.842	136.513	0.120000
2919.842	136.611	0.120000
2929.842	136.373	0.120000
2939.833	136.419	0.120000
2949.833	136.511	0.120000
2959.833	136.418	0.120000
2969.833	136.418	0.120000
2979.827	136.192	0.120000
2989.827	136.323	0.120000
2999.827	136.418	0.120000
3009.827	136.604	0.120000
3019.827	136.811	0.120000
3029.827	136.567	0.120000
3039.827	136.604	0.120000
3049.827	136.827	0.120000
3059.827	136.567	0.120000
3069.827	136.513	0.120000

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3079.827	136.549	0.120000
3089.827	136.637	0.120000
3099.827	136.469	0.120000
3109.827	136.476	0.120000
3119.827	136.535	0.120000
3129.827	136.425	0.120000
3139.827	136.317	0.120000
3149.827	136.413	0.120000
3159.827	136.609	0.120000
3169.827	136.617	0.120000
3179.827	136.363	0.120000
3189.827	136.407	0.120000
3199.827	136.444	0.120000
3209.827	136.368	0.120000
3219.827	136.328	0.120000
3229.827	136.478	0.120000
3239.825	136.386	0.120000
3249.825	136.338	0.120000
3259.825	136.490	0.120000
3269.825	136.437	0.120000
3279.825	136.540	0.120000
3289.825	136.278	0.120000
3299.825	136.308	0.120000
3309.825	136.393	0.120000
3319.825	136.426	0.120000
3329.824	136.375	0.120000
3339.824	136.255	0.120000
3349.824	136.203	0.120000
3359.824	136.172	0.120000
3369.824	136.145	0.120000
3379.824	136.065	0.120000
3389.824	136.037	0.120000
3399.824	136.218	0.120000
3409.824	136.119	0.120000
3419.824	135.991	0.120000
3429.824	136.031	0.120000
3439.817	135.865	0.120000
3449.817	135.979	0.120000
3459.817	136.006	0.120000
3469.817	135.971	0.120000
3479.817	136.007	0.120000
3489.817	135.955	0.120000
3499.817	135.908	0.120000
3509.812	136.000	0.120000
3519.812	136.049	0.120000
3529.812	136.163	0.120000
3539.812	135.984	0.120000
3549.812	136.095	0.120000
3559.812	136.099	0.120000
3569.812	136.193	0.120000
3579.811	136.266	0.120000
3589.811	136.157	0.120000
3599.811	136.157	0.120000
3609.811	136.179	0.120000
3619.811	136.151	0.120000
3629.809	136.424	0.120000
3639.809	136.378	0.120000
3649.806	136.312	0.120000
3659.806	136.349	0.120000
3669.806	136.272	0.120000
3679.806	136.263	0.120000
3689.806	136.225	0.120000
3699.806	136.229	0.120000
3709.806	136.311	0.120000
3719.805	136.375	0.120000
3729.805	136.174	0.120000
3739.803	136.261	0.120000
3749.803	136.148	0.120000
3759.803	136.176	0.120000
3769.803	136.157	0.120000
3779.803	136.142	0.120000
3789.803	136.159	0.120000
3799.795	136.135	0.120000



Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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3809.795	136.117	0.120000
3819.795	136.173	0.120000
3829.795	136.079	0.120000
3839.761	136.215	0.120000
3849.761	136.099	0.120000
3859.761	135.954	0.120000
3869.761	135.815	0.120000
3879.707	135.843	0.120000
3889.707	135.889	0.120000
3899.707	135.930	0.120000
3909.707	135.913	0.120000
3919.706	135.874	0.120000
3929.706	135.830	0.120000
3939.706	135.822	0.120000
3949.706	135.796	0.120000
3959.706	135.777	0.120000
3969.706	135.754	0.120000
3979.706	135.781	0.120000
3989.706	135.652	0.120000
3999.597	135.677	0.120000
4009.597	135.551	0.120000
4019.597	135.522	0.120000
4029.597	135.478	0.120000
4039.583	135.555	0.120000
4049.583	135.546	0.120000
4059.560	135.551	0.120000
4069.560	135.564	0.120000
4079.559	135.560	0.120000
4089.559	135.671	0.120000
4099.559	135.909	0.120000
4109.559	135.808	0.120000
4119.551	135.843	0.120000
4129.551	135.871	0.120000
4139.551	135.821	0.120000
4149.514	135.769	0.120000
4159.514	135.817	0.120000
4169.514	135.833	0.120000
4179.514	135.781	0.120000
4189.514	135.785	0.120000
4199.514	135.767	0.120000
4209.509	135.791	0.120000
4219.509	135.796	0.120000
4229.509	135.752	0.120000
4239.509	135.675	0.120000
4249.509	135.674	0.120000
4259.508	135.742	0.120000
4269.508	135.658	0.120000
4279.508	135.752	0.120000
4289.508	135.724	0.120000
4299.508	135.747	0.120000
4309.501	135.708	0.120000
4319.501	135.631	0.120000
4329.501	135.732	0.120000
4339.473	135.735	0.120000
4349.473	135.712	0.120000
4359.473	135.738	0.120000
4369.473	135.784	0.120000
4379.473	135.804	0.120000
4389.473	135.829	0.120000
4399.473	135.748	0.120000
4409.469	135.849	0.120000
4419.469	135.841	0.120000
4429.469	135.813	0.120000
4439.469	135.727	0.120000
4449.469	135.752	0.120000
4459.460	135.850	0.120000
4469.460	135.807	0.120000
4479.460	135.768	0.120000
4489.421	135.740	0.120000
4499.421	135.764	0.120000
4509.421	135.804	0.120000
4519.421	135.721	0.120000
4529.421	135.836	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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4539.420	135.735	0.120000
4549.420	135.760	0.120000
4559.420	135.762	0.120000
4569.420	135.779	0.120000
4579.415	135.839	0.120000
4589.415	135.816	0.120000
4599.415	135.727	0.120000
4609.415	135.779	0.120000
4619.413	135.826	0.120000
4629.413	135.855	0.120000
4639.413	135.872	0.120000
4649.413	135.780	0.120000
4659.413	135.795	0.120000
4669.413	135.869	0.120000
4679.413	135.847	0.120000
4689.413	135.865	0.120000
4699.413	135.758	0.120000
4709.413	135.762	0.120000
4719.413	135.817	0.120000
4729.413	135.764	0.120000
4739.413	135.790	0.120000
4749.413	135.776	0.120000
4759.413	135.835	0.120000
4769.409	135.735	0.120000
4779.409	135.788	0.120000
4789.409	135.847	0.120000
4799.409	135.718	0.120000
4809.409	135.748	0.120000
4819.409	135.869	0.120000
4829.406	135.810	0.120000
4839.406	135.771	0.120000
4849.406	135.759	0.120000
4859.406	135.793	0.120000
4869.406	135.791	0.120000
4879.405	135.877	0.120000
4889.405	135.860	0.120000
4899.405	135.872	0.120000
4909.405	135.830	0.120000
4919.402	135.760	0.120000
4929.402	135.759	0.120000
4939.402	135.832	0.120000
4949.402	135.811	0.120000
4959.402	135.867	0.120000
4969.402	135.820	0.120000

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 Name: RHH81180C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.583	0.120000
0.000	133.386	0.120000
1.037	133.386	0.120000
10.835	133.351	0.120000
20.835	133.348	0.120000
30.835	133.305	0.120000
40.835	133.242	0.120000
50.772	133.236	0.120000
60.772	133.230	0.120000
70.772	133.216	0.120000
80.772	133.222	0.120000
90.772	133.202	0.120000
100.743	133.181	0.120000
110.743	133.255	0.120000
120.743	133.263	0.120000
130.743	133.247	0.120000
140.743	133.239	0.120000
150.727	133.218	0.120000
160.727	133.173	0.120000
170.727	133.156	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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180.727	133.147	0.120000
190.727	133.148	0.120000
200.727	133.232	0.120000
210.727	133.145	0.120000
220.727	133.108	0.120000
230.647	133.156	0.120000
240.647	133.201	0.120000
250.486	133.335	0.120000
260.486	133.163	0.120000
270.486	133.184	0.120000
280.482	133.157	0.120000
290.482	133.181	0.120000
300.482	133.208	0.120000
310.482	133.190	0.120000
320.453	133.208	0.120000
330.453	133.163	0.120000
340.453	133.186	0.120000
350.453	133.271	0.120000
360.453	133.263	0.120000
370.452	133.298	0.120000
380.452	133.489	0.120000
390.452	133.326	0.120000
400.452	133.377	0.120000
410.449	133.381	0.120000
420.449	133.328	0.120000
430.449	133.341	0.120000
440.449	133.256	0.120000
450.446	133.262	0.120000
460.446	133.129	0.120000
470.446	133.142	0.120000
480.446	133.140	0.120000
490.445	133.134	0.120000
500.445	133.071	0.120000
510.445	133.042	0.120000
520.445	133.035	0.120000
530.407	133.078	0.120000
540.407	133.083	0.120000
550.407	133.146	0.120000
560.400	133.143	0.120000
570.400	133.055	0.120000
580.400	133.084	0.120000
590.400	133.050	0.120000
600.400	133.034	0.120000
610.400	132.971	0.120000
620.384	132.875	0.120000
630.384	132.755	0.120000
640.384	132.715	0.120000
650.375	132.805	0.120000
660.375	132.763	0.120000
670.356	132.877	0.120000
680.356	133.100	0.120000
690.170	133.125	0.120000
700.170	133.199	0.120000
710.170	133.209	0.120000
719.945	133.214	0.120000
729.945	133.219	0.120000
739.945	133.205	0.120000
749.622	133.220	0.120000
759.622	133.266	0.120000
769.622	133.399	0.120000
779.518	133.268	0.120000
789.518	133.341	0.120000
799.268	133.338	0.120000
809.268	133.351	0.120000
819.264	133.247	0.120000
829.264	133.271	0.120000
839.264	133.282	0.120000
849.264	133.295	0.120000
859.264	133.275	0.120000
869.264	133.253	0.120000
879.261	133.212	0.120000
889.261	133.165	0.120000
899.260	133.160	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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909.260	133.151	0.120000
919.260	133.127	0.120000
929.260	133.087	0.120000
939.126	133.079	0.120000
949.126	133.045	0.120000
958.853	133.113	0.120000
968.853	133.198	0.120000
978.853	133.176	0.120000
988.700	133.188	0.120000
998.700	133.150	0.120000
1008.509	133.142	0.120000
1018.509	133.218	0.120000
1028.509	133.099	0.120000
1038.509	133.028	0.120000
1048.380	133.030	0.120000
1057.847	133.007	0.120000
1067.847	132.969	0.120000
1077.847	132.949	0.120000
1087.842	132.939	0.120000
1097.842	132.926	0.120000
1107.842	132.916	0.120000
1117.828	132.900	0.120000
1127.828	132.906	0.120000
1137.828	132.885	0.120000
1147.751	132.905	0.120000
1157.751	132.926	0.120000
1167.600	132.905	0.120000
1177.600	132.910	0.120000
1187.600	132.918	0.120000
1197.600	132.950	0.120000
1207.467	132.913	0.120000
1217.467	132.929	0.120000
1227.467	132.877	0.120000
1237.453	132.854	0.120000
1247.453	132.925	0.120000
1257.453	132.920	0.120000
1267.452	132.889	0.120000
1277.452	132.902	0.120000
1287.452	132.894	0.120000
1297.452	132.822	0.120000
1307.288	132.831	0.120000
1317.288	132.766	0.120000
1327.026	132.863	0.120000
1337.026	132.743	0.120000
1346.269	132.716	0.120000
1355.795	132.690	0.120000
1365.795	132.703	0.120000
1375.761	132.730	0.120000
1385.761	132.736	0.120000
1395.665	132.710	0.120000
1405.308	132.713	0.120000
1415.272	132.671	0.120000
1425.251	132.651	0.120000
1435.251	132.661	0.120000
1445.162	132.705	0.120000
1455.162	132.746	0.120000
1465.143	132.793	0.120000
1475.143	132.828	0.120000
1485.143	132.841	0.120000
1489.568	132.855	0.120000
1497.364	132.903	0.120000
1506.181	132.697	0.120000
1516.181	132.583	0.120000
1526.070	132.779	0.120000
1535.937	132.898	0.120000
1545.937	133.074	0.120000
1555.937	133.396	0.120000
1565.560	133.649	0.120000
1575.560	134.051	0.120000
1585.432	134.209	0.120000
1595.432	134.170	0.120000
1603.096	134.153	0.120000
1613.096	134.166	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1623.096	134.182	0.120000
1633.096	134.162	0.120000
1643.096	134.100	0.120000
1653.088	134.095	0.120000
1663.015	134.096	0.120000
1673.015	134.106	0.120000
1683.015	134.115	0.120000
1683.115	137.583	0.120000

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Name: RHH81180D  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	136.101	0.120000
0.000	134.115	0.120000
7.427	134.128	0.120000
17.427	134.147	0.120000
27.427	134.138	0.120000
37.247	133.949	0.120000
47.247	133.880	0.120000
57.247	133.799	0.120000
67.247	133.774	0.120000
77.114	133.721	0.120000
87.109	133.658	0.120000
97.109	133.639	0.120000
107.109	133.632	0.120000
116.979	133.626	0.120000
126.979	133.626	0.120000
136.979	133.616	0.120000
146.898	133.614	0.120000
156.898	133.619	0.120000
166.628	133.631	0.120000
176.628	133.641	0.120000
186.628	133.621	0.120000
196.628	133.612	0.120000
206.628	133.595	0.120000
216.588	133.650	0.120000
226.588	133.683	0.120000
236.588	133.724	0.120000
246.574	133.697	0.120000
256.376	133.638	0.120000
266.376	133.628	0.120000
275.746	133.652	0.120000
285.746	133.617	0.120000
295.746	133.489	0.120000
305.746	133.375	0.120000
315.746	133.272	0.120000
325.746	133.141	0.120000
335.695	133.057	0.120000
345.695	133.009	0.120000
355.686	133.129	0.120000
365.686	132.874	0.120000
375.680	132.439	0.120000
385.680	132.115	0.120000
395.680	131.906	0.120000
405.659	131.722	0.120000
415.659	131.537	0.120000
425.659	131.444	0.120000
435.512	131.397	0.120000
445.512	131.364	0.120000
455.512	131.336	0.120000
465.510	131.331	0.120000
475.510	131.364	0.120000
485.510	131.481	0.120000
495.510	131.578	0.120000
505.510	131.673	0.120000
515.439	131.755	0.120000
525.439	131.804	0.120000
535.439	131.877	0.120000

Dewberry Engineers, Inc.  
01/23/2023

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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543.682	131.933	0.120000
553.682	131.915	0.120000
563.315	131.821	0.120000
573.315	131.587	0.120000
583.315	131.423	0.120000
593.090	131.281	0.120000
603.090	131.194	0.120000
613.090	131.140	0.120000
623.030	131.115	0.120000
633.030	131.101	0.120000
643.030	131.107	0.120000
653.030	131.142	0.120000
663.030	131.174	0.120000
673.030	131.227	0.120000
683.030	131.307	0.120000
692.906	131.398	0.120000
702.906	131.465	0.120000
712.785	131.473	0.120000
722.785	131.446	0.120000
732.641	131.468	0.120000
742.641	131.488	0.120000
752.641	131.538	0.120000
762.641	131.586	0.120000
772.109	131.671	0.120000
782.109	131.735	0.120000
792.096	131.722	0.120000
802.096	131.679	0.120000
812.096	131.679	0.120000
822.052	131.705	0.120000
832.052	131.699	0.120000
842.052	131.740	0.120000
852.052	131.823	0.120000
862.048	131.864	0.120000
872.048	131.886	0.120000
882.048	131.871	0.120000
892.048	131.851	0.120000
902.048	131.850	0.120000
912.048	131.881	0.120000
922.032	132.007	0.120000
932.032	132.100	0.120000
942.032	132.223	0.120000
952.032	132.377	0.120000
961.793	132.558	0.120000
971.793	132.755	0.120000
981.793	133.157	0.120000
991.793	133.224	0.120000
1000.707	133.124	0.120000
1010.707	132.790	0.120000
1020.600	132.617	0.120000
1030.600	132.638	0.120000
1040.600	132.584	0.120000
1050.600	132.644	0.120000
1060.452	132.687	0.120000
1070.452	132.771	0.120000
1080.452	132.852	0.120000
1090.113	132.865	0.120000
1100.113	132.887	0.120000
1109.584	132.947	0.120000
1119.218	132.962	0.120000
1129.218	132.938	0.120000
1139.187	132.899	0.120000
1149.187	132.824	0.120000
1159.187	132.741	0.120000
1169.187	132.726	0.120000
1179.186	132.760	0.120000
1189.186	132.788	0.120000
1199.186	132.822	0.120000
1209.186	132.789	0.120000
1219.186	132.791	0.120000
1228.774	132.801	0.120000
1238.774	132.812	0.120000
1248.044	132.780	0.120000
1258.044	132.743	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1268.044	132.704	0.120000
1277.916	132.666	0.120000
1287.916	132.629	0.120000
1297.916	132.611	0.120000
1307.801	132.600	0.120000
1317.801	132.596	0.120000
1327.801	132.611	0.120000
1337.476	132.629	0.120000
1347.476	132.637	0.120000
1357.476	132.652	0.120000
1367.476	132.677	0.120000
1377.057	132.678	0.120000
1387.057	132.682	0.120000
1397.057	132.686	0.120000
1406.947	132.701	0.120000
1416.947	132.709	0.120000
1426.947	132.718	0.120000
1436.947	132.734	0.120000
1446.872	132.735	0.120000
1456.872	132.754	0.120000
1466.872	132.751	0.120000
1476.872	132.731	0.120000
1486.872	132.764	0.120000
1496.872	132.794	0.120000
1506.872	132.811	0.120000
1516.872	132.787	0.120000
1526.872	132.769	0.120000
1536.872	132.756	0.120000
1546.673	132.743	0.120000
1556.673	132.733	0.120000
1566.673	132.747	0.120000
1576.377	132.732	0.120000
1586.183	132.717	0.120000
1596.183	132.706	0.120000
1606.183	132.717	0.120000
1616.183	132.735	0.120000
1626.169	132.716	0.120000
1636.169	132.710	0.120000
1646.169	132.739	0.120000
1655.060	132.832	0.120000
1665.060	132.846	0.120000
1674.671	132.863	0.120000
1684.671	132.758	0.120000
1684.771	136.101	0.120000

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Name: RHH81180WS  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.646	0.120000
0.000	135.309	0.120000
9.799	135.194	0.120000
19.543	134.892	0.120000
29.543	134.709	0.120000
39.543	134.560	0.120000
49.543	134.328	0.120000
59.543	134.273	0.120000
69.543	134.240	0.120000
79.543	134.168	0.120000
89.543	134.100	0.120000
99.543	134.027	0.120000
109.543	133.993	0.120000
119.543	133.978	0.120000
129.543	133.912	0.120000
139.543	133.871	0.120000
147.988	133.893	0.120000
157.675	133.925	0.120000
167.675	133.906	0.120000
177.629	133.878	0.120000

Existing Polk City Model (Basins 5-8)  
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187.629	133.893	0.120000
197.629	133.839	0.120000
207.629	133.851	0.120000
217.629	133.820	0.120000
227.629	133.817	0.120000
237.629	133.765	0.120000
245.653	133.743	0.120000
255.653	133.898	0.120000
265.653	133.761	0.120000
275.653	133.724	0.120000
285.653	133.928	0.120000
295.653	133.758	0.120000
305.653	133.931	0.120000
315.653	134.045	0.120000
325.653	134.183	0.120000
335.653	134.069	0.120000
345.653	134.033	0.120000
355.653	133.690	0.120000
365.595	133.268	0.120000
375.595	133.114	0.120000
385.595	132.915	0.120000
395.595	132.784	0.120000
405.475	132.748	0.120000
415.475	132.715	0.120000
425.475	132.659	0.120000
435.475	132.792	0.120000
445.475	132.807	0.120000
455.475	132.783	0.120000
465.475	132.746	0.120000
475.475	132.730	0.120000
485.475	132.798	0.120000
495.475	132.935	0.120000
505.475	132.893	0.120000
515.475	132.765	0.120000
524.872	132.656	0.120000
534.872	132.659	0.120000
544.872	132.654	0.120000
554.872	132.651	0.120000
563.745	132.663	0.120000
573.745	132.646	0.120000
583.745	132.654	0.120000
593.745	132.769	0.120000
603.745	132.747	0.120000
613.745	132.800	0.120000
623.745	133.166	0.120000
633.745	133.140	0.120000
643.745	133.353	0.120000
653.745	133.528	0.120000
662.210	133.861	0.120000
672.210	134.144	0.120000
682.210	134.181	0.120000
692.210	134.105	0.120000
702.210	134.071	0.120000
712.210	134.181	0.120000
722.210	134.373	0.120000
732.210	134.419	0.120000
742.210	134.485	0.120000
752.210	134.356	0.120000
762.210	134.340	0.120000
772.210	134.199	0.120000
782.210	133.989	0.120000
792.210	133.622	0.120000
802.210	133.532	0.120000
812.210	133.566	0.120000
822.210	133.414	0.120000
832.210	133.462	0.120000
842.210	133.566	0.120000
852.210	133.277	0.120000
861.116	133.288	0.120000
871.116	133.263	0.120000
881.116	133.239	0.120000
891.094	133.243	0.120000
901.094	133.211	0.120000



Existing Polk City Model (Basins 5-8)  
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911.094	133.074	0.120000
921.094	133.060	0.120000
931.094	133.122	0.120000
941.094	133.160	0.120000
942.778	133.160	0.120000
942.878	137.646	0.120000

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Name: RHH81181A                      Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	138.106	0.120000
0.000	133.160	0.120000
10.000	133.132	0.120000
19.942	133.106	0.120000
29.908	133.206	0.120000
39.829	133.334	0.120000
49.829	133.584	0.120000
59.827	134.070	0.120000
69.827	134.495	0.120000
79.827	134.920	0.120000
83.771	134.860	0.120000
83.871	138.106	0.120000

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Name: RHH81182                      Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	137.403	0.120000
0.000	132.758	0.120000
3.072	132.758	0.120000
13.072	132.746	0.120000
22.836	132.703	0.120000
32.836	132.724	0.120000
42.836	132.729	0.120000
52.836	132.745	0.120000
62.836	132.823	0.120000
72.836	132.913	0.120000
82.836	133.048	0.120000
92.836	133.143	0.120000
102.836	133.310	0.120000
112.836	133.885	0.120000
122.715	134.059	0.120000
132.715	134.464	0.120000
142.715	133.713	0.120000
152.715	133.362	0.120000
162.715	132.951	0.120000
172.715	132.730	0.120000
182.541	132.697	0.120000
192.541	132.756	0.120000
202.541	132.514	0.120000
212.541	132.577	0.120000
222.541	132.513	0.120000
232.424	132.580	0.120000
242.424	132.812	0.120000
252.424	132.981	0.120000
262.368	132.886	0.120000
272.368	132.807	0.120000
282.368	133.063	0.120000
292.368	133.124	0.120000
302.368	132.985	0.120000
309.830	132.889	0.120000
319.830	132.806	0.120000
329.830	132.768	0.120000
339.830	132.757	0.120000

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349.830	132.800	0.120000
359.830	132.853	0.120000
369.753	132.930	0.120000
379.753	133.030	0.120000
389.753	133.063	0.120000
399.753	132.957	0.120000
409.753	132.907	0.120000
419.753	132.826	0.120000
429.753	132.735	0.120000
439.753	132.616	0.120000
449.753	132.499	0.120000
459.481	132.384	0.120000
469.481	132.320	0.120000
479.481	132.290	0.120000
489.481	132.234	0.120000
499.481	132.293	0.120000
509.481	132.470	0.120000
519.481	132.703	0.120000
529.410	132.779	0.120000
539.410	132.312	0.120000
549.410	132.109	0.120000
559.410	131.972	0.120000
569.410	131.868	0.120000
579.410	131.821	0.120000
589.410	131.835	0.120000
599.410	131.878	0.120000
609.387	131.869	0.120000
619.387	131.862	0.120000
629.387	131.884	0.120000
639.387	131.816	0.120000
649.353	131.689	0.120000
659.353	131.561	0.120000
669.353	131.445	0.120000
679.350	131.340	0.120000
689.350	131.281	0.120000
699.350	131.225	0.120000
709.170	131.214	0.120000
719.170	131.197	0.120000
729.170	131.197	0.120000
739.144	131.178	0.120000
749.144	131.172	0.120000
759.144	131.133	0.120000
769.144	131.112	0.120000
779.061	131.119	0.120000
789.061	131.152	0.120000
799.061	131.179	0.120000
809.061	131.231	0.120000
818.803	131.336	0.120000
828.803	132.055	0.120000
838.795	133.007	0.120000
848.795	134.519	0.120000
858.795	134.637	0.120000
868.787	134.987	0.120000
878.787	135.728	0.120000
888.787	136.522	0.120000
898.785	137.107	0.120000
908.785	137.213	0.120000
918.785	137.403	0.120000
918.885	137.403	0.120000

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Name: RHH811821W                                                  Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	137.512	0.120000
0.000	135.685	0.120000
10.000	135.636	0.120000
20.000	135.311	0.120000
30.000	134.296	0.120000

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40.000	133.793	0.120000
50.000	133.278	0.120000
60.000	133.021	0.120000
69.474	132.831	0.120000
79.235	132.717	0.120000
89.235	132.700	0.120000
99.235	132.628	0.120000
109.235	132.512	0.120000
119.235	132.587	0.120000
129.234	133.432	0.120000
139.234	133.565	0.120000
148.346	133.466	0.120000
158.346	133.217	0.120000
165.736	132.970	0.120000
173.192	133.197	0.120000
180.552	133.277	0.120000
187.626	133.290	0.120000
194.778	133.131	0.120000
204.778	133.039	0.120000
214.778	132.969	0.120000
224.778	133.207	0.120000
234.778	133.615	0.120000
244.778	133.932	0.120000
252.321	133.973	0.120000
252.421	137.512	0.120000

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 Name: RHH81182B                                Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.464	0.120000
0.000	133.973	0.120000
10.000	134.055	0.120000
20.000	133.713	0.120000
30.000	133.349	0.120000
40.000	132.590	0.120000
50.000	132.545	0.120000
59.998	132.538	0.120000
69.998	132.488	0.120000
79.613	132.464	0.120000
89.613	132.468	0.120000
99.613	132.567	0.120000
108.960	132.556	0.120000
118.960	132.563	0.120000
128.960	132.794	0.120000
138.960	132.601	0.120000
148.924	132.473	0.120000
158.924	132.474	0.120000
168.924	132.506	0.120000
178.924	132.585	0.120000
188.889	132.638	0.120000
198.889	132.742	0.120000
205.652	132.758	0.120000
205.752	137.464	0.120000

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 Name: RHH81182WE                                Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.692	0.120000
0.000	137.403	0.120000
0.416	137.403	0.120000
10.416	137.692	0.120000
20.178	137.692	0.120000
30.178	137.660	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
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40.178	137.656	0.120000
49.904	137.571	0.120000
59.904	136.833	0.120000
69.904	136.197	0.120000
79.877	135.803	0.120000
89.877	135.538	0.120000
99.877	135.523	0.120000
109.877	135.742	0.120000
119.877	135.872	0.120000
129.877	135.966	0.120000
139.877	135.537	0.120000
149.862	133.975	0.120000
159.828	132.371	0.120000
169.816	132.597	0.120000
179.090	132.353	0.120000
188.971	132.117	0.120000
198.971	132.204	0.120000
208.943	132.180	0.120000
218.943	132.114	0.120000
228.927	132.680	0.120000
238.921	134.002	0.120000
248.843	134.298	0.120000
258.841	133.524	0.120000
268.841	133.200	0.120000
278.813	133.769	0.120000
288.813	133.973	0.120000
288.913	137.692	0.120000

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 Name: RHH81183  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	136.351	0.120000
0.000	133.725	0.120000
5.334	133.730	0.120000
15.334	133.758	0.120000
25.334	133.790	0.120000
34.583	133.859	0.120000
44.583	133.927	0.120000
54.583	134.257	0.120000
64.583	134.367	0.120000
74.414	134.407	0.120000
84.414	134.358	0.120000
94.414	134.213	0.120000
104.414	134.007	0.120000
114.414	133.944	0.120000
124.414	133.892	0.120000
134.414	133.859	0.120000
144.414	133.841	0.120000
154.414	133.853	0.120000
164.398	133.848	0.120000
174.398	133.844	0.120000
184.226	133.861	0.120000
194.226	133.880	0.120000
204.226	133.918	0.120000
214.226	133.980	0.120000
224.226	134.095	0.120000
234.226	134.109	0.120000
244.210	134.088	0.120000
254.210	134.083	0.120000
264.210	134.058	0.120000
274.210	134.014	0.120000
284.210	133.988	0.120000
294.181	133.989	0.120000
304.181	133.960	0.120000
314.181	133.918	0.120000
324.181	133.896	0.120000
334.181	133.921	0.120000
344.181	134.011	0.120000

Existing Polk City Model (Basins 5-8)  
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354.181	133.933	0.120000
358.587	134.052	0.120000
368.587	133.917	0.120000
378.587	133.873	0.120000
388.587	133.828	0.120000
398.587	133.836	0.120000
408.587	133.844	0.120000
418.510	133.847	0.120000
428.510	133.826	0.120000
438.510	133.799	0.120000
448.510	133.763	0.120000
457.748	133.726	0.120000
467.748	133.672	0.120000
477.748	133.605	0.120000
487.748	133.553	0.120000
497.748	133.497	0.120000
507.703	133.494	0.120000
517.703	133.436	0.120000
527.703	133.407	0.120000
537.464	133.370	0.120000
547.464	133.377	0.120000
557.464	133.379	0.120000
567.464	133.345	0.120000
577.464	133.314	0.120000
587.447	133.308	0.120000
597.447	133.306	0.120000
607.447	133.305	0.120000
617.447	133.301	0.120000
627.379	133.354	0.120000
637.379	133.750	0.120000
646.055	133.826	0.120000
656.055	133.649	0.120000
665.147	133.282	0.120000
675.147	133.363	0.120000
685.147	133.804	0.120000
694.539	133.744	0.120000
704.391	133.790	0.120000
714.391	133.779	0.120000
724.321	133.413	0.120000
734.321	133.401	0.120000
744.298	133.257	0.120000
754.298	133.163	0.120000
764.298	133.301	0.120000
774.298	133.615	0.120000
784.292	133.675	0.120000
794.292	133.380	0.120000
804.292	133.360	0.120000
814.280	133.340	0.120000
824.280	133.404	0.120000
834.181	133.430	0.120000
844.181	133.507	0.120000
854.181	133.517	0.120000
863.614	133.467	0.120000
873.614	133.472	0.120000
883.614	133.414	0.120000
893.614	133.450	0.120000
903.274	133.437	0.120000
913.274	133.403	0.120000
923.274	133.456	0.120000
932.933	133.426	0.120000
942.933	133.330	0.120000
952.933	133.326	0.120000
962.933	133.345	0.120000
972.917	133.270	0.120000
982.917	133.503	0.120000
992.917	133.581	0.120000
1002.840	133.403	0.120000
1012.840	133.321	0.120000
1022.840	133.248	0.120000
1032.840	133.229	0.120000
1042.321	133.200	0.120000
1052.321	133.365	0.120000
1062.199	133.484	0.120000

Existing Polk City Model (Basins 5-8)  
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1072.199	133.465	0.120000
1082.010	133.382	0.120000
1092.010	133.412	0.120000
1102.010	133.650	0.120000
1111.456	133.518	0.120000
1121.456	133.474	0.120000
1131.431	133.302	0.120000
1141.431	133.443	0.120000
1151.431	133.708	0.120000
1161.429	133.475	0.120000
1171.429	133.438	0.120000
1181.429	133.762	0.120000
1191.345	134.003	0.120000
1201.345	133.747	0.120000
1211.345	133.614	0.120000
1221.345	133.609	0.120000
1231.238	133.417	0.120000
1241.238	133.271	0.120000
1250.705	133.258	0.120000
1260.705	133.198	0.120000
1270.705	133.256	0.120000
1280.705	133.408	0.120000
1287.091	133.392	0.120000
1297.091	133.179	0.120000
1307.091	132.857	0.120000
1317.091	132.761	0.120000
1327.091	132.814	0.120000
1337.086	132.958	0.120000
1347.086	133.126	0.120000
1354.583	133.053	0.120000
1364.583	132.460	0.120000
1374.583	132.256	0.120000
1384.583	131.937	0.120000
1394.247	131.571	0.120000
1404.247	131.657	0.120000
1414.247	132.034	0.120000
1424.247	132.105	0.120000
1434.247	132.177	0.120000
1444.247	132.177	0.120000
1454.245	132.197	0.120000
1464.245	132.233	0.120000
1474.245	132.274	0.120000
1484.245	132.397	0.120000
1494.245	132.485	0.120000
1504.245	132.716	0.120000
1511.941	132.373	0.120000
1521.941	132.036	0.120000
1531.941	132.195	0.120000
1541.941	132.192	0.120000
1551.941	131.905	0.120000
1560.611	131.682	0.120000
1570.611	131.589	0.120000
1580.611	131.491	0.120000
1590.611	131.401	0.120000
1600.611	131.396	0.120000
1610.611	131.351	0.120000
1620.599	131.371	0.120000
1630.599	131.375	0.120000
1640.599	131.382	0.120000
1650.599	131.383	0.120000
1658.315	131.412	0.120000
1668.315	131.433	0.120000
1678.315	131.555	0.120000
1688.315	131.583	0.120000
1698.315	131.738	0.120000
1708.284	131.925	0.120000
1718.284	131.886	0.120000
1728.284	131.843	0.120000
1738.076	131.871	0.120000
1748.076	131.825	0.120000
1758.076	131.809	0.120000
1768.076	131.912	0.120000
1776.338	132.057	0.120000

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1786.338	132.021	0.120000
1796.338	132.115	0.120000
1806.338	132.221	0.120000
1815.624	132.354	0.120000
1825.624	132.460	0.120000
1835.624	132.362	0.120000
1845.617	132.195	0.120000
1855.617	131.995	0.120000
1865.617	131.725	0.120000
1875.504	131.585	0.120000
1885.504	131.492	0.120000
1895.504	131.483	0.120000
1905.504	131.526	0.120000
1915.493	131.569	0.120000
1925.397	131.556	0.120000
1935.397	131.647	0.120000
1945.397	131.783	0.120000
1955.344	131.957	0.120000
1965.344	132.080	0.120000
1975.344	132.210	0.120000
1984.360	132.293	0.120000
1994.360	132.340	0.120000
2004.360	132.340	0.120000
2013.137	132.364	0.120000
2023.137	132.376	0.120000
2033.137	132.428	0.120000
2043.137	132.449	0.120000
2053.137	132.492	0.120000
2062.313	132.522	0.120000
2072.313	132.541	0.120000
2082.313	132.665	0.120000
2092.156	132.756	0.120000
2102.156	132.826	0.120000
2112.156	132.878	0.120000
2122.156	132.892	0.120000
2132.135	132.872	0.120000
2142.135	132.861	0.120000
2152.135	132.864	0.120000
2162.135	132.860	0.120000
2172.124	132.864	0.120000
2182.124	132.884	0.120000
2192.124	132.898	0.120000
2202.124	132.921	0.120000
2212.124	132.961	0.120000
2221.759	132.996	0.120000
2231.759	133.052	0.120000
2241.759	133.239	0.120000
2251.759	133.327	0.120000
2261.759	133.400	0.120000
2271.759	133.399	0.120000
2281.759	133.368	0.120000
2291.759	133.266	0.120000
2301.759	133.127	0.120000
2311.759	133.210	0.120000
2321.759	133.180	0.120000
2331.746	133.214	0.120000
2341.746	133.180	0.120000
2351.746	133.255	0.120000
2361.746	133.302	0.120000
2371.746	132.845	0.120000
2381.746	132.507	0.120000
2391.642	132.222	0.120000
2401.642	132.184	0.120000
2411.642	132.183	0.120000
2421.642	132.245	0.120000
2431.642	132.481	0.120000
2441.642	132.362	0.120000
2451.528	132.276	0.120000
2461.528	132.322	0.120000
2471.528	132.417	0.120000
2481.528	132.361	0.120000
2491.528	132.289	0.120000
2501.528	132.163	0.120000

Existing Polk City Model (Basins 5-8)  
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2511.528	132.155	0.120000
2521.493	132.149	0.120000
2531.493	132.163	0.120000
2541.469	132.198	0.120000
2551.469	132.260	0.120000
2561.351	132.413	0.120000
2571.351	132.400	0.120000
2581.351	132.586	0.120000
2591.351	133.306	0.120000
2591.451	136.351	0.120000

Name: RHH81183WN                          Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	137.168	0.120000
0.000	132.718	0.120000
10.000	132.698	0.120000
20.000	132.716	0.120000
30.000	132.741	0.120000
40.000	132.832	0.120000
49.292	132.905	0.120000
59.292	132.719	0.120000
69.292	132.542	0.120000
79.292	132.380	0.120000
89.289	132.237	0.120000
99.289	132.168	0.120000
109.134	132.173	0.120000
118.815	132.174	0.120000
128.815	132.186	0.120000
138.575	132.194	0.120000
148.575	132.193	0.120000
158.575	132.405	0.120000
168.571	132.222	0.120000
178.571	132.301	0.120000
188.571	132.785	0.120000
198.571	132.857	0.120000
208.571	132.728	0.120000
218.571	132.979	0.120000
219.719	133.306	0.120000
219.819	137.168	0.120000

Name: RHH81184B                          Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.428	0.120000
0.000	137.666	0.120000
0.106	137.666	0.120000
10.106	137.645	0.120000
20.106	137.571	0.120000
30.106	137.465	0.120000
40.106	137.454	0.120000
50.091	137.516	0.120000
60.090	137.560	0.120000
70.090	137.542	0.120000
80.040	137.563	0.120000
90.040	137.618	0.120000
100.018	137.587	0.120000
110.018	137.540	0.120000
120.018	137.512	0.120000
130.018	137.352	0.120000
140.018	137.392	0.120000
150.018	137.366	0.120000
160.018	137.375	0.120000



Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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170.017	137.354	0.120000
180.017	137.332	0.120000
190.017	137.223	0.120000
200.017	137.253	0.120000
210.017	137.342	0.120000
220.017	137.217	0.120000
230.017	137.208	0.120000
240.014	137.244	0.120000
250.014	137.150	0.120000
260.014	137.144	0.120000
269.975	137.146	0.120000
279.975	137.099	0.120000
289.973	137.183	0.120000
299.973	137.129	0.120000
309.970	137.061	0.120000
319.970	137.229	0.120000
329.961	137.164	0.120000
339.961	137.226	0.120000
349.960	137.184	0.120000
359.960	137.097	0.120000
369.960	137.184	0.120000
379.960	137.124	0.120000
389.954	137.018	0.120000
399.954	136.956	0.120000
409.942	136.881	0.120000
419.942	136.900	0.120000
429.811	136.890	0.120000
439.786	136.839	0.120000
449.786	136.873	0.120000
459.759	136.904	0.120000
469.759	136.699	0.120000
479.739	136.811	0.120000
489.672	136.753	0.120000
499.655	136.802	0.120000
509.655	136.834	0.120000
519.655	136.829	0.120000
529.654	136.788	0.120000
539.638	136.817	0.120000
549.638	136.783	0.120000
559.638	136.802	0.120000
569.630	136.699	0.120000
579.630	136.697	0.120000
589.513	136.733	0.120000
599.513	136.761	0.120000
609.435	136.707	0.120000
619.435	136.759	0.120000
629.433	136.686	0.120000
639.400	136.799	0.120000
649.400	136.738	0.120000
659.386	136.668	0.120000
669.386	136.740	0.120000
679.372	136.739	0.120000
689.372	136.754	0.120000
699.364	136.761	0.120000
709.364	136.749	0.120000
719.364	136.735	0.120000
729.364	136.717	0.120000
739.364	136.697	0.120000
749.362	136.656	0.120000
759.358	136.675	0.120000
769.358	136.794	0.120000
779.343	136.637	0.120000
789.336	136.845	0.120000
799.336	136.764	0.120000
809.325	136.737	0.120000
819.325	136.757	0.120000
829.324	136.862	0.120000
839.324	136.847	0.120000
849.324	136.770	0.120000
859.314	136.783	0.120000
869.314	136.833	0.120000
879.314	136.779	0.120000
889.304	136.737	0.120000

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899.304	136.803	0.120000
909.288	136.757	0.120000
919.098	136.736	0.120000
929.098	136.794	0.120000
938.960	136.722	0.120000
948.960	136.694	0.120000
958.898	136.764	0.120000
968.898	136.681	0.120000
978.894	136.730	0.120000
988.894	136.865	0.120000
998.893	136.825	0.120000
1008.893	136.774	0.120000
1018.893	136.796	0.120000
1028.884	136.693	0.120000
1038.884	136.699	0.120000
1048.884	136.758	0.120000
1058.884	136.753	0.120000
1068.864	136.789	0.120000
1078.864	136.839	0.120000
1088.862	136.864	0.120000
1098.862	136.892	0.120000
1108.862	136.904	0.120000
1118.862	136.779	0.120000
1128.861	136.889	0.120000
1138.858	136.847	0.120000
1148.858	136.680	0.120000
1158.785	136.805	0.120000
1168.785	136.867	0.120000
1178.775	136.924	0.120000
1188.762	136.819	0.120000
1198.762	136.731	0.120000
1208.571	136.867	0.120000
1218.571	136.806	0.120000
1228.567	136.806	0.120000
1238.485	136.785	0.120000
1248.483	136.835	0.120000
1258.483	136.812	0.120000
1268.480	136.798	0.120000
1278.466	136.761	0.120000
1288.466	136.718	0.120000
1298.413	136.671	0.120000
1308.412	136.886	0.120000
1318.412	136.837	0.120000
1328.361	136.825	0.120000
1338.361	136.765	0.120000
1348.361	136.836	0.120000
1358.354	136.781	0.120000
1368.354	136.930	0.120000
1378.353	136.805	0.120000
1388.353	136.728	0.120000
1398.353	136.729	0.120000
1408.350	136.705	0.120000
1418.350	136.757	0.120000
1428.350	136.841	0.120000
1438.350	136.842	0.120000
1448.338	136.706	0.120000
1458.338	136.641	0.120000
1468.229	136.726	0.120000
1478.229	136.826	0.120000
1488.087	136.872	0.120000
1497.985	136.750	0.120000
1507.985	136.793	0.120000
1517.985	136.661	0.120000
1527.985	136.742	0.120000
1537.985	136.627	0.120000
1547.977	136.594	0.120000
1557.977	136.661	0.120000
1567.977	136.587	0.120000
1577.977	136.576	0.120000
1587.977	136.676	0.120000
1597.975	136.732	0.120000
1607.975	136.735	0.120000
1617.975	136.699	0.120000

Existing Polk City Model (Basins 5-8)  
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1627.915	136.666	0.120000
1637.915	136.428	0.120000
1647.861	136.711	0.120000
1657.861	136.686	0.120000
1667.861	136.670	0.120000
1677.861	136.641	0.120000
1687.861	136.737	0.120000
1697.861	136.695	0.120000
1707.861	136.776	0.120000
1717.861	136.800	0.120000
1727.861	136.748	0.120000
1737.861	136.692	0.120000
1747.861	136.735	0.120000
1757.859	136.682	0.120000
1767.859	136.738	0.120000
1777.859	136.703	0.120000
1787.859	136.654	0.120000
1797.859	136.612	0.120000
1807.859	136.629	0.120000
1817.859	136.737	0.120000
1827.859	136.653	0.120000
1837.859	136.641	0.120000
1847.859	136.666	0.120000
1857.859	136.788	0.120000
1867.859	136.637	0.120000
1877.859	136.584	0.120000
1887.859	136.654	0.120000
1897.859	136.726	0.120000
1907.859	136.763	0.120000
1917.859	136.829	0.120000
1927.858	136.707	0.120000
1937.858	136.765	0.120000
1947.858	136.759	0.120000
1957.858	136.836	0.120000
1967.858	136.876	0.120000
1977.858	136.910	0.120000
1987.858	136.860	0.120000
1997.858	136.830	0.120000
2007.858	136.893	0.120000
2017.858	136.948	0.120000
2027.858	136.891	0.120000
2037.858	136.855	0.120000
2047.858	136.978	0.120000
2057.858	137.235	0.120000
2067.858	137.355	0.120000
2077.858	137.343	0.120000
2087.858	137.120	0.120000
2097.858	137.054	0.120000
2107.858	137.169	0.120000
2117.858	137.074	0.120000
2127.858	137.164	0.120000
2137.858	137.181	0.120000
2147.858	137.095	0.120000
2157.858	137.174	0.120000
2167.858	137.259	0.120000
2177.858	137.329	0.120000
2187.858	137.519	0.120000
2197.858	137.356	0.120000
2207.858	137.449	0.120000
2217.858	137.574	0.120000
2227.858	137.592	0.120000
2237.842	137.674	0.120000
2247.514	137.577	0.120000
2257.514	137.767	0.120000
2267.514	137.746	0.120000
2277.514	137.772	0.120000
2287.514	137.987	0.120000
2297.514	138.016	0.120000
2307.512	138.125	0.120000
2317.512	138.134	0.120000
2327.512	138.154	0.120000
2337.512	138.204	0.120000
2347.512	138.356	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
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2357.512	138.337	0.120000
2367.512	138.328	0.120000
2377.512	138.312	0.120000
2387.512	138.459	0.120000
2397.512	138.651	0.120000
2407.512	138.630	0.120000
2417.509	138.634	0.120000
2427.509	138.726	0.120000
2437.509	138.878	0.120000
2447.509	138.815	0.120000
2457.508	138.894	0.120000
2467.508	138.917	0.120000
2477.508	138.999	0.120000
2487.508	139.096	0.120000
2497.506	139.123	0.120000
2507.506	139.172	0.120000
2517.506	139.248	0.120000
2527.506	139.187	0.120000
2537.506	139.365	0.120000
2547.506	139.361	0.120000
2557.506	139.429	0.120000
2567.506	139.391	0.120000
2577.506	139.418	0.120000
2587.506	139.373	0.120000
2597.506	139.639	0.120000
2607.506	139.922	0.120000
2617.506	139.643	0.120000
2627.506	139.684	0.120000
2637.487	139.652	0.120000
2647.487	139.703	0.120000
2657.468	139.869	0.120000
2667.468	139.960	0.120000
2677.468	140.149	0.120000
2687.461	140.007	0.120000
2697.461	139.977	0.120000
2707.461	140.007	0.120000
2717.435	140.140	0.120000
2727.435	140.180	0.120000
2737.435	140.086	0.120000
2747.435	140.206	0.120000
2757.433	140.286	0.120000
2767.433	140.259	0.120000
2777.393	140.255	0.120000
2787.393	140.364	0.120000
2797.343	140.397	0.120000
2807.343	140.486	0.120000
2817.343	140.458	0.120000
2827.339	140.446	0.120000
2837.339	140.909	0.120000
2847.338	140.765	0.120000
2857.338	140.659	0.120000
2867.338	140.675	0.120000
2877.336	140.780	0.120000
2887.336	140.806	0.120000
2897.334	140.661	0.120000
2907.334	140.739	0.120000
2917.334	140.780	0.120000
2927.263	140.752	0.120000
2937.263	140.765	0.120000
2947.263	140.745	0.120000
2956.509	140.880	0.120000
2956.609	141.428	0.120000

Name: RHH81185B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.645	0.120000
0.000	137.858	0.120000

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9.786	137.906	0.120000
19.786	137.898	0.120000
29.786	137.838	0.120000
39.786	137.811	0.120000
49.784	137.820	0.120000
59.784	137.761	0.120000
69.784	137.794	0.120000
79.784	137.824	0.120000
89.784	137.832	0.120000
99.784	137.878	0.120000
109.784	137.734	0.120000
119.784	137.772	0.120000
129.784	137.821	0.120000
139.783	137.769	0.120000
149.783	137.862	0.120000
159.783	137.820	0.120000
169.783	137.853	0.120000
179.783	137.819	0.120000
189.783	137.743	0.120000
199.783	137.781	0.120000
209.783	137.856	0.120000
219.783	137.874	0.120000
229.783	137.739	0.120000
239.783	137.728	0.120000
249.783	137.758	0.120000
259.783	137.703	0.120000
269.783	137.829	0.120000
279.783	137.850	0.120000
289.783	137.813	0.120000
299.783	137.798	0.120000
309.783	137.810	0.120000
319.783	137.778	0.120000
329.783	137.645	0.120000
339.783	137.785	0.120000
349.783	137.686	0.120000
359.783	137.802	0.120000
369.783	137.792	0.120000
379.783	137.805	0.120000
389.783	137.873	0.120000
399.783	137.855	0.120000
409.783	137.851	0.120000
419.783	137.885	0.120000
429.783	137.867	0.120000
439.783	137.892	0.120000
449.783	137.843	0.120000
459.783	137.855	0.120000
469.783	137.872	0.120000
479.782	137.872	0.120000
489.782	137.869	0.120000
499.782	137.832	0.120000
509.782	137.815	0.120000
519.782	137.820	0.120000
529.782	137.844	0.120000
539.782	137.833	0.120000
549.782	137.705	0.120000
559.782	137.773	0.120000
569.782	137.827	0.120000
579.782	137.827	0.120000
589.782	137.864	0.120000
599.782	137.812	0.120000
609.782	137.843	0.120000
619.782	137.796	0.120000
629.782	137.865	0.120000
639.782	137.859	0.120000
649.782	137.835	0.120000
659.782	137.868	0.120000
669.782	137.806	0.120000
679.782	137.802	0.120000
689.782	137.808	0.120000
699.782	137.808	0.120000
709.782	137.819	0.120000
719.782	137.797	0.120000
729.782	137.800	0.120000

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739.782	137.815	0.120000
749.782	137.810	0.120000
759.782	137.792	0.120000
769.782	137.856	0.120000
779.782	137.898	0.120000
789.782	137.856	0.120000
799.782	137.801	0.120000
809.782	137.656	0.120000
819.782	137.843	0.120000
829.782	137.860	0.120000
839.782	137.856	0.120000
849.782	137.844	0.120000
859.782	137.712	0.120000
869.782	137.763	0.120000
879.782	137.750	0.120000
889.782	137.758	0.120000
889.882	142.645	0.120000

Name: RHH81185C Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.524	0.120000
0.000	137.666	0.120000
9.869	137.202	0.120000
19.869	136.225	0.120000
29.869	135.685	0.120000
39.869	135.524	0.120000
49.869	136.179	0.120000
59.869	137.273	0.120000
69.869	137.672	0.120000
69.969	140.524	0.120000

Name: RHH81186B Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.202	0.120000
0.000	137.109	0.120000
3.803	137.081	0.120000
13.803	137.091	0.120000
23.803	136.932	0.120000
33.803	136.827	0.120000
43.803	136.824	0.120000
53.803	136.799	0.120000
63.803	136.832	0.120000
73.803	136.748	0.120000
83.803	136.838	0.120000
93.803	136.774	0.120000
103.802	136.701	0.120000
113.802	136.716	0.120000
123.802	136.743	0.120000
133.802	136.698	0.120000
143.802	136.789	0.120000
153.802	136.660	0.120000
163.801	136.678	0.120000
173.801	136.621	0.120000
183.801	136.877	0.120000
193.801	136.619	0.120000
203.801	136.687	0.120000
213.705	136.635	0.120000
223.705	136.656	0.120000
233.645	136.702	0.120000
243.645	136.611	0.120000
253.645	136.560	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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263.645	136.588	0.120000
273.602	136.664	0.120000
283.602	136.513	0.120000
293.602	136.564	0.120000
303.602	136.608	0.120000
313.602	136.690	0.120000
323.602	136.659	0.120000
333.584	136.576	0.120000
343.584	136.606	0.120000
353.584	136.518	0.120000
363.584	136.648	0.120000
373.584	136.610	0.120000
383.584	136.616	0.120000
393.584	136.555	0.120000
403.584	136.551	0.120000
413.584	136.534	0.120000
423.582	136.736	0.120000
433.582	136.670	0.120000
443.582	136.537	0.120000
453.582	136.592	0.120000
463.582	136.567	0.120000
473.582	136.659	0.120000
483.580	136.620	0.120000
493.580	136.709	0.120000
503.580	136.610	0.120000
513.580	136.837	0.120000
523.580	136.626	0.120000
533.580	136.582	0.120000
543.580	136.567	0.120000
553.580	136.694	0.120000
563.580	136.625	0.120000
573.580	136.539	0.120000
583.580	136.619	0.120000
593.580	136.628	0.120000
603.580	136.661	0.120000
613.580	136.498	0.120000
623.574	136.659	0.120000
633.574	136.665	0.120000
643.574	136.612	0.120000
653.574	136.647	0.120000
663.574	136.627	0.120000
673.574	136.808	0.120000
683.574	136.654	0.120000
693.574	136.582	0.120000
703.574	136.478	0.120000
713.574	136.447	0.120000
723.574	136.598	0.120000
733.574	136.605	0.120000
743.574	136.550	0.120000
753.574	136.474	0.120000
763.574	136.416	0.120000
773.574	136.289	0.120000
783.574	136.405	0.120000
793.574	136.416	0.120000
803.574	136.512	0.120000
813.574	136.402	0.120000
823.567	136.351	0.120000
833.567	136.329	0.120000
843.567	136.359	0.120000
853.567	136.360	0.120000
863.567	136.351	0.120000
873.567	136.495	0.120000
883.567	136.329	0.120000
893.567	136.325	0.120000
903.567	136.577	0.120000
913.567	136.324	0.120000
923.567	136.452	0.120000
933.567	136.377	0.120000
943.567	136.549	0.120000
953.567	136.473	0.120000
963.567	136.555	0.120000
973.567	136.373	0.120000
983.567	136.462	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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993.567	136.416	0.120000
1003.567	136.447	0.120000
1013.567	136.482	0.120000
1023.567	136.508	0.120000
1033.567	136.463	0.120000
1043.567	136.501	0.120000
1053.567	136.369	0.120000
1063.567	136.426	0.120000
1073.565	136.470	0.120000
1083.565	136.417	0.120000
1093.565	136.489	0.120000
1103.565	136.479	0.120000
1113.565	136.535	0.120000
1123.565	136.557	0.120000
1133.565	136.522	0.120000
1143.565	136.551	0.120000
1153.565	136.549	0.120000
1163.565	136.617	0.120000
1173.565	136.446	0.120000
1183.565	136.555	0.120000
1193.565	136.499	0.120000
1203.565	136.392	0.120000
1213.565	136.345	0.120000
1223.565	136.582	0.120000
1233.565	136.483	0.120000
1243.565	136.498	0.120000
1253.565	136.501	0.120000
1263.564	136.527	0.120000
1273.564	136.557	0.120000
1283.564	136.506	0.120000
1293.564	136.434	0.120000
1303.564	136.542	0.120000
1313.564	136.553	0.120000
1323.564	136.433	0.120000
1333.564	136.487	0.120000
1343.564	136.468	0.120000
1353.564	136.533	0.120000
1363.563	136.555	0.120000
1373.563	136.561	0.120000
1383.563	136.582	0.120000
1393.563	136.591	0.120000
1403.563	136.552	0.120000
1413.563	136.497	0.120000
1423.563	136.540	0.120000
1433.563	136.602	0.120000
1443.563	136.611	0.120000
1453.563	136.437	0.120000
1463.563	136.548	0.120000
1473.563	136.493	0.120000
1483.563	136.483	0.120000
1493.563	136.488	0.120000
1503.563	136.438	0.120000
1513.563	136.501	0.120000
1523.563	136.523	0.120000
1533.563	136.597	0.120000
1543.561	136.457	0.120000
1553.561	136.424	0.120000
1563.561	136.503	0.120000
1573.561	136.484	0.120000
1583.561	136.493	0.120000
1593.561	136.470	0.120000
1603.561	136.432	0.120000
1613.561	136.493	0.120000
1623.561	136.494	0.120000
1633.561	136.464	0.120000
1643.561	136.459	0.120000
1653.561	136.437	0.120000
1663.561	136.543	0.120000
1673.561	136.481	0.120000
1683.561	136.516	0.120000
1693.561	136.534	0.120000
1703.561	136.526	0.120000
1713.561	136.432	0.120000



Existing Polk City Model (Basins 5-8)  
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1723.561	136.602	0.120000
1733.561	136.508	0.120000
1743.561	136.512	0.120000
1753.561	136.460	0.120000
1763.561	136.508	0.120000
1773.561	136.551	0.120000
1783.561	136.492	0.120000
1793.561	136.494	0.120000
1803.561	136.462	0.120000
1813.561	136.534	0.120000
1823.561	136.462	0.120000
1833.561	136.473	0.120000
1843.561	136.534	0.120000
1853.561	136.405	0.120000
1863.561	136.534	0.120000
1873.561	136.522	0.120000
1883.561	136.551	0.120000
1893.561	136.599	0.120000
1903.561	136.583	0.120000
1913.561	136.490	0.120000
1923.557	136.513	0.120000
1933.557	136.435	0.120000
1943.557	136.486	0.120000
1953.557	136.482	0.120000
1963.557	136.435	0.120000
1973.557	136.417	0.120000
1983.557	136.485	0.120000
1993.557	136.384	0.120000
2003.557	136.372	0.120000
2013.557	136.428	0.120000
2023.556	136.351	0.120000
2033.556	136.358	0.120000
2043.556	136.444	0.120000
2053.556	136.344	0.120000
2063.556	136.687	0.120000
2073.556	136.463	0.120000
2083.556	136.459	0.120000
2093.556	136.415	0.120000
2103.556	136.503	0.120000
2113.556	136.550	0.120000
2123.556	136.516	0.120000
2133.556	136.217	0.120000
2143.556	136.551	0.120000
2153.556	136.442	0.120000
2163.556	136.429	0.120000
2173.556	136.437	0.120000
2183.556	136.418	0.120000
2193.556	136.368	0.120000
2203.556	136.412	0.120000
2213.556	136.428	0.120000
2223.556	136.490	0.120000
2233.556	136.371	0.120000
2243.556	136.393	0.120000
2253.556	136.390	0.120000
2263.556	136.381	0.120000
2273.555	136.299	0.120000
2283.555	136.363	0.120000
2293.555	136.491	0.120000
2303.555	136.462	0.120000
2313.555	136.537	0.120000
2323.555	136.436	0.120000
2333.555	136.478	0.120000
2343.555	136.546	0.120000
2353.555	136.496	0.120000
2363.555	136.459	0.120000
2373.555	136.501	0.120000
2383.555	136.385	0.120000
2393.555	136.516	0.120000
2403.555	136.592	0.120000
2413.555	136.451	0.120000
2423.555	136.395	0.120000
2433.555	136.506	0.120000
2443.555	136.465	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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2453.555	136.504	0.120000
2463.555	136.593	0.120000
2473.555	136.485	0.120000
2483.555	136.469	0.120000
2493.555	136.423	0.120000
2503.555	136.534	0.120000
2513.555	136.521	0.120000
2523.555	136.447	0.120000
2533.555	136.530	0.120000
2543.555	136.463	0.120000
2553.555	136.436	0.120000
2563.555	136.400	0.120000
2573.555	136.319	0.120000
2583.555	136.482	0.120000
2593.555	136.471	0.120000
2603.555	136.438	0.120000
2613.555	136.447	0.120000
2623.555	136.385	0.120000
2633.555	136.332	0.120000
2643.555	136.463	0.120000
2653.555	136.478	0.120000
2663.555	136.385	0.120000
2673.555	136.440	0.120000
2683.555	136.493	0.120000
2693.555	136.361	0.120000
2703.555	136.293	0.120000
2713.554	136.306	0.120000
2723.554	136.430	0.120000
2733.554	136.391	0.120000
2743.554	136.494	0.120000
2753.554	136.418	0.120000
2763.554	136.456	0.120000
2773.554	136.333	0.120000
2783.554	136.368	0.120000
2793.554	136.434	0.120000
2803.554	136.514	0.120000
2813.554	136.327	0.120000
2823.554	136.337	0.120000
2833.554	136.344	0.120000
2843.554	136.380	0.120000
2853.554	136.289	0.120000
2863.554	136.329	0.120000
2873.554	136.326	0.120000
2883.554	136.315	0.120000
2893.554	136.325	0.120000
2903.554	136.361	0.120000
2913.554	136.324	0.120000
2923.554	136.307	0.120000
2933.554	136.258	0.120000
2943.554	136.330	0.120000
2953.554	136.524	0.120000
2963.554	136.285	0.120000
2973.554	136.294	0.120000
2983.554	136.341	0.120000
2993.554	136.292	0.120000
3003.554	136.202	0.120000
3013.554	136.337	0.120000
3023.554	136.288	0.120000
3033.554	136.308	0.120000
3043.554	136.323	0.120000
3053.554	136.217	0.120000
3063.553	136.305	0.120000
3073.553	136.302	0.120000
3083.553	136.375	0.120000
3093.553	136.362	0.120000
3103.553	136.355	0.120000
3113.553	136.341	0.120000
3123.553	136.227	0.120000
3133.553	136.361	0.120000
3143.553	136.394	0.120000
3153.553	136.523	0.120000
3163.553	136.323	0.120000
3173.553	136.265	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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3183.553	136.354	0.120000
3193.553	136.413	0.120000
3203.553	136.346	0.120000
3213.553	136.283	0.120000
3223.553	136.391	0.120000
3233.553	136.301	0.120000
3243.553	136.451	0.120000
3253.553	136.340	0.120000
3263.553	136.324	0.120000
3273.553	136.400	0.120000
3283.553	136.331	0.120000
3293.553	136.433	0.120000
3303.553	136.263	0.120000
3313.553	136.457	0.120000
3323.553	136.437	0.120000
3333.553	136.369	0.120000
3343.553	136.309	0.120000
3353.553	136.319	0.120000
3363.553	136.339	0.120000
3363.653	141.202	0.120000

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 Name: RHH81187B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.082	0.120000
0.000	136.429	0.120000
10.000	136.391	0.120000
20.000	136.321	0.120000
30.000	136.433	0.120000
40.000	136.320	0.120000
50.000	136.388	0.120000
60.000	136.380	0.120000
70.000	136.369	0.120000
80.000	136.419	0.120000
90.000	136.399	0.120000
100.000	136.458	0.120000
110.000	136.502	0.120000
120.000	136.381	0.120000
130.000	136.387	0.120000
140.000	136.432	0.120000
150.000	136.350	0.120000
160.000	136.398	0.120000
170.000	136.214	0.120000
180.000	136.353	0.120000
190.000	136.242	0.120000
200.000	136.358	0.120000
210.000	136.237	0.120000
220.000	136.212	0.120000
230.000	136.199	0.120000
240.000	136.238	0.120000
250.000	136.163	0.120000
259.999	136.082	0.120000
269.999	136.242	0.120000
279.999	136.248	0.120000
289.999	136.262	0.120000
299.999	136.265	0.120000
309.999	136.376	0.120000
319.999	136.234	0.120000
329.999	136.336	0.120000
339.999	136.294	0.120000
349.999	136.222	0.120000
359.997	136.420	0.120000
369.997	136.188	0.120000
379.997	136.228	0.120000
389.997	136.229	0.120000
399.997	136.151	0.120000
409.997	136.217	0.120000
419.996	136.305	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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429.996	136.084	0.120000
439.996	136.219	0.120000
449.996	136.271	0.120000
459.996	136.278	0.120000
469.996	136.258	0.120000
479.996	136.258	0.120000
489.995	136.230	0.120000
499.995	136.203	0.120000
509.995	136.296	0.120000
519.994	136.268	0.120000
529.994	136.235	0.120000
539.994	136.155	0.120000
549.994	136.112	0.120000
559.994	136.093	0.120000
569.994	136.169	0.120000
579.992	136.174	0.120000
589.992	136.407	0.120000
599.992	136.150	0.120000
609.992	136.215	0.120000
619.992	136.316	0.120000
629.992	136.378	0.120000
639.987	136.235	0.120000
649.987	136.341	0.120000
659.987	136.308	0.120000
669.987	136.349	0.120000
679.987	136.324	0.120000
689.987	136.262	0.120000
699.987	136.242	0.120000
709.987	136.318	0.120000
719.987	136.309	0.120000
729.987	136.328	0.120000
739.987	136.255	0.120000
749.987	136.315	0.120000
759.986	136.319	0.120000
769.986	136.320	0.120000
779.986	136.247	0.120000
789.986	136.272	0.120000
799.986	136.285	0.120000
809.986	136.226	0.120000
819.986	136.276	0.120000
829.986	136.254	0.120000
839.986	136.178	0.120000
849.986	136.280	0.120000
859.986	136.289	0.120000
869.986	136.398	0.120000
879.986	136.264	0.120000
889.986	136.412	0.120000
899.986	136.187	0.120000
909.986	136.181	0.120000
919.986	136.358	0.120000
929.986	136.295	0.120000
939.986	136.234	0.120000
949.986	136.280	0.120000
959.986	136.325	0.120000
969.986	136.270	0.120000
979.979	136.241	0.120000
989.979	136.325	0.120000
999.975	136.178	0.120000
1009.975	136.206	0.120000
1019.975	136.223	0.120000
1029.975	136.237	0.120000
1039.975	136.376	0.120000
1049.975	136.333	0.120000
1059.975	136.245	0.120000
1069.975	136.207	0.120000
1079.975	136.277	0.120000
1089.970	136.259	0.120000
1099.970	136.269	0.120000
1109.970	136.289	0.120000
1119.968	136.217	0.120000
1129.968	136.236	0.120000
1139.968	136.234	0.120000
1149.968	136.187	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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1159.968	136.277	0.120000
1169.968	136.328	0.120000
1179.961	136.267	0.120000
1189.961	136.270	0.120000
1199.954	136.188	0.120000
1209.954	136.210	0.120000
1219.954	136.128	0.120000
1229.954	136.167	0.120000
1239.947	136.246	0.120000
1249.947	136.257	0.120000
1259.947	136.200	0.120000
1269.947	136.221	0.120000
1279.947	136.312	0.120000
1289.947	136.381	0.120000
1299.947	136.280	0.120000
1309.947	136.270	0.120000
1319.947	136.256	0.120000
1329.947	136.249	0.120000
1339.945	136.325	0.120000
1349.945	136.535	0.120000
1359.945	136.391	0.120000
1369.945	136.333	0.120000
1379.945	136.368	0.120000
1389.918	136.312	0.120000
1399.918	136.266	0.120000
1409.918	136.305	0.120000
1419.896	136.298	0.120000
1429.896	136.228	0.120000
1439.896	136.232	0.120000
1449.896	136.205	0.120000
1459.893	136.171	0.120000
1469.893	136.157	0.120000
1479.893	136.135	0.120000
1489.893	136.189	0.120000
1499.893	136.202	0.120000
1509.892	136.403	0.120000
1516.467	136.283	0.120000
1516.567	141.082	0.120000

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 Name: RHH81187C Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.491	0.120000
0.000	136.283	0.120000
7.339	136.296	0.120000
17.339	135.188	0.120000
27.339	133.911	0.120000
37.339	133.491	0.120000
47.339	133.860	0.120000
57.339	134.836	0.120000
67.339	135.947	0.120000
77.339	136.339	0.120000
77.439	138.491	0.120000

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 Name: RHH81187D Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.801	0.120000
0.000	136.214	0.120000
10.000	135.723	0.120000
20.000	135.292	0.120000
30.000	134.561	0.120000
40.000	133.801	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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50.000	134.118	0.120000
59.986	135.105	0.120000
69.986	136.367	0.120000
78.246	136.429	0.120000
78.346	138.801	0.120000

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Name: RHH81188B  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.192	0.120000
0.000	141.192	0.120000
10.000	140.956	0.120000
20.000	141.027	0.120000
30.000	140.979	0.120000
40.000	140.887	0.120000
50.000	140.860	0.120000
60.000	140.875	0.120000
70.000	140.788	0.120000
80.000	140.804	0.120000
89.999	140.797	0.120000
99.999	140.697	0.120000
109.999	140.715	0.120000
119.999	140.693	0.120000
129.999	140.824	0.120000
139.999	140.779	0.120000
149.999	140.756	0.120000
159.999	140.734	0.120000
169.999	140.667	0.120000
179.999	140.608	0.120000
189.999	140.624	0.120000
199.999	140.551	0.120000
209.999	140.647	0.120000
219.999	140.574	0.120000
229.999	140.449	0.120000
239.999	140.350	0.120000
249.999	140.401	0.120000
259.999	140.311	0.120000
269.999	140.333	0.120000
279.999	140.348	0.120000
289.999	140.370	0.120000
299.999	140.199	0.120000
309.998	140.099	0.120000
319.998	140.008	0.120000
329.998	140.005	0.120000
339.998	139.847	0.120000
349.998	139.920	0.120000
359.998	139.777	0.120000
369.998	139.599	0.120000
379.998	139.661	0.120000
389.998	139.513	0.120000
399.998	139.458	0.120000
409.998	139.334	0.120000
419.998	139.231	0.120000
429.998	139.122	0.120000
439.998	139.072	0.120000
449.998	139.080	0.120000
459.998	138.689	0.120000
469.998	138.772	0.120000
479.998	138.793	0.120000
489.998	138.726	0.120000
499.998	138.619	0.120000
509.998	138.535	0.120000
519.998	138.504	0.120000
529.998	138.338	0.120000
539.997	138.347	0.120000
549.997	138.274	0.120000
559.997	138.207	0.120000
569.997	138.089	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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579.997	137.826	0.120000
589.997	137.816	0.120000
599.997	137.773	0.120000
609.997	137.658	0.120000
619.997	137.729	0.120000
629.997	137.748	0.120000
639.997	137.696	0.120000
649.997	137.657	0.120000
659.997	137.723	0.120000
669.997	137.435	0.120000
679.997	137.491	0.120000
689.997	137.430	0.120000
699.997	137.492	0.120000
709.997	137.474	0.120000
719.997	137.368	0.120000
729.997	137.336	0.120000
739.997	137.286	0.120000
749.997	137.226	0.120000
759.997	137.296	0.120000
769.997	137.454	0.120000
779.997	137.273	0.120000
789.997	137.129	0.120000
799.997	137.102	0.120000
809.997	137.002	0.120000
819.997	136.903	0.120000
829.997	136.882	0.120000
839.997	136.748	0.120000
849.996	136.842	0.120000
859.996	136.892	0.120000
869.996	136.815	0.120000
879.996	136.751	0.120000
889.996	136.771	0.120000
899.996	136.788	0.120000
909.996	136.812	0.120000
919.996	136.798	0.120000
929.996	136.757	0.120000
939.996	136.732	0.120000
949.996	136.676	0.120000
959.996	136.811	0.120000
969.996	136.740	0.120000
979.996	136.596	0.120000
989.994	136.558	0.120000
999.994	136.663	0.120000
1009.994	136.591	0.120000
1019.994	136.491	0.120000
1029.994	136.503	0.120000
1039.994	136.498	0.120000
1049.994	136.411	0.120000
1059.994	136.404	0.120000
1069.994	136.465	0.120000
1079.994	136.322	0.120000
1089.994	136.443	0.120000
1099.994	136.363	0.120000
1109.994	136.448	0.120000
1119.994	136.457	0.120000
1129.994	136.365	0.120000
1139.994	136.370	0.120000
1149.994	136.359	0.120000
1159.994	136.483	0.120000
1169.994	136.436	0.120000
1179.994	136.505	0.120000
1189.994	136.567	0.120000
1199.994	136.492	0.120000
1209.994	136.506	0.120000
1219.994	136.621	0.120000
1229.994	136.556	0.120000
1239.994	136.517	0.120000
1249.994	136.514	0.120000
1259.994	136.495	0.120000
1269.994	136.543	0.120000
1279.994	136.567	0.120000
1289.994	136.580	0.120000
1299.994	136.480	0.120000

Existing Polk City Model (Basins 5-8)  
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Complete Input Report

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1309.994	136.516	0.120000
1319.994	136.484	0.120000
1329.994	136.484	0.120000
1339.994	136.466	0.120000
1349.994	136.491	0.120000
1359.994	136.589	0.120000
1369.994	136.612	0.120000
1379.994	136.486	0.120000
1389.994	136.614	0.120000
1399.994	136.484	0.120000
1409.994	136.440	0.120000
1419.994	136.582	0.120000
1429.994	136.373	0.120000
1439.994	136.434	0.120000
1449.994	136.412	0.120000
1459.994	136.664	0.120000
1469.994	136.468	0.120000
1479.994	136.436	0.120000
1489.994	136.426	0.120000
1499.994	136.363	0.120000
1509.994	136.400	0.120000
1519.994	136.348	0.120000
1529.994	136.489	0.120000
1539.994	136.564	0.120000
1549.994	136.514	0.120000
1559.994	136.442	0.120000
1569.994	136.468	0.120000
1579.994	136.443	0.120000
1589.993	136.360	0.120000
1599.993	136.408	0.120000
1609.993	136.402	0.120000
1619.993	136.322	0.120000
1629.993	136.407	0.120000
1639.993	136.430	0.120000
1649.993	136.469	0.120000
1659.993	136.346	0.120000
1669.984	136.387	0.120000
1679.984	136.308	0.120000
1689.984	136.275	0.120000
1699.984	136.304	0.120000
1709.982	136.339	0.120000
1719.982	136.441	0.120000
1729.982	136.432	0.120000
1739.982	136.419	0.120000
1749.982	136.429	0.120000
1759.982	136.351	0.120000
1769.982	136.403	0.120000
1779.982	136.529	0.120000
1789.982	136.429	0.120000
1799.982	136.447	0.120000
1809.982	136.510	0.120000
1819.982	136.604	0.120000
1829.982	136.508	0.120000
1839.982	136.457	0.120000
1849.982	136.313	0.120000
1859.982	136.395	0.120000
1869.982	136.439	0.120000
1879.982	136.618	0.120000
1889.982	136.397	0.120000
1899.982	136.353	0.120000
1909.981	136.443	0.120000
1919.981	136.294	0.120000
1929.981	136.277	0.120000
1939.981	136.360	0.120000
1949.981	136.238	0.120000
1959.975	136.256	0.120000
1969.975	136.359	0.120000
1979.975	136.196	0.120000
1989.975	136.194	0.120000
1999.975	136.229	0.120000
2009.975	136.340	0.120000
2019.975	136.141	0.120000
2029.975	136.307	0.120000



Existing Polk City Model (Basins 5-8)  
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2039.975	136.332	0.120000
2049.975	136.440	0.120000
2059.975	136.352	0.120000
2069.975	136.383	0.120000
2079.975	136.376	0.120000
2089.975	136.258	0.120000
2099.975	136.270	0.120000
2109.975	136.362	0.120000
2112.184	136.429	0.120000
2112.284	141.192	0.120000

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Name: RHH8118B  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	163.484	0.120000
0.000	134.115	0.120000
2.554	134.115	0.120000
12.554	134.128	0.120000
22.554	134.154	0.120000
32.554	134.183	0.120000
41.896	134.208	0.120000
51.896	134.208	0.120000
61.896	134.205	0.120000
71.821	134.225	0.120000
81.821	134.265	0.120000
91.690	134.370	0.120000
101.690	134.492	0.120000
111.657	134.917	0.120000
121.657	134.861	0.120000
131.657	134.826	0.120000
140.824	135.004	0.120000
150.824	135.446	0.120000
160.824	135.771	0.120000
170.740	135.774	0.120000
180.740	135.259	0.120000
190.740	135.462	0.120000
200.740	135.584	0.120000
210.734	135.740	0.120000
220.734	135.753	0.120000
230.568	135.590	0.120000
240.568	135.603	0.120000
250.568	135.633	0.120000
259.516	135.640	0.120000
269.516	135.640	0.120000
279.476	135.640	0.120000
289.476	135.631	0.120000
299.303	135.610	0.120000
309.303	135.505	0.120000
319.293	135.528	0.120000
1247.052	135.932	0.120000
1257.052	135.897	0.120000
1267.052	135.879	0.120000
1277.052	135.897	0.120000
1287.011	135.953	0.120000
1297.011	135.945	0.120000
1306.953	135.967	0.120000
1316.953	135.956	0.120000
1326.953	135.956	0.120000
1336.951	135.944	0.120000
1346.951	135.954	0.120000
1356.951	135.934	0.120000
1366.711	135.945	0.120000
1376.711	136.018	0.120000
1386.711	136.042	0.120000
1396.666	135.985	0.120000
1406.666	135.964	0.120000
1416.422	135.802	0.120000
1426.422	135.678	0.120000

Dewberry Engineers, Inc.  
01/23/2023

Existing Polk City Model (Basins 5-8)  
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1436.422	135.893	0.120000
1446.337	135.864	0.120000
1456.305	135.945	0.120000
1466.305	135.822	0.120000
1476.305	135.701	0.120000
1486.126	135.437	0.120000
1496.126	134.901	0.120000
1506.124	134.838	0.120000
1516.124	134.966	0.120000
1526.124	135.034	0.120000
1535.907	135.278	0.120000
1545.572	134.957	0.120000
1555.572	134.753	0.120000
1565.572	134.512	0.120000
1575.572	134.364	0.120000
1585.560	134.336	0.120000
1595.560	134.555	0.120000
1605.560	134.362	0.120000
1615.528	134.360	0.120000
1625.528	134.423	0.120000
1635.528	134.578	0.120000
1645.254	134.430	0.120000
1655.254	134.155	0.120000
1665.254	133.819	0.120000
1674.934	133.811	0.120000
1684.934	134.162	0.120000
1694.774	134.028	0.120000
1704.774	133.589	0.120000
1714.774	133.497	0.120000
1724.774	133.423	0.120000
1734.565	133.324	0.120000
1744.565	133.404	0.120000
1754.565	133.290	0.120000
1764.565	133.342	0.120000
1774.526	133.404	0.120000
1784.526	133.376	0.120000
1794.526	133.264	0.120000
1804.526	133.197	0.120000
1814.518	133.221	0.120000
1824.518	133.239	0.120000
1834.518	133.140	0.120000
1844.518	133.116	0.120000
1854.518	133.084	0.120000
1864.504	133.141	0.120000
1874.504	133.041	0.120000
1884.504	132.925	0.120000
1894.504	132.970	0.120000
1904.504	132.936	0.120000
1914.504	132.961	0.120000
1924.504	132.932	0.120000
1934.504	132.915	0.120000
1944.504	132.901	0.120000
1954.500	132.912	0.120000
1964.500	132.874	0.120000
1974.500	132.871	0.120000
1984.500	132.863	0.120000
1994.500	132.907	0.120000
2004.500	132.785	0.120000
2014.500	132.828	0.120000
2024.500	132.833	0.120000
2034.494	132.892	0.120000
2044.494	132.888	0.120000
2054.494	132.829	0.120000
2064.494	132.880	0.120000
2074.494	132.866	0.120000
2084.494	133.018	0.120000
2094.494	133.060	0.120000
2104.494	133.071	0.120000
2114.494	133.002	0.120000
2124.494	132.953	0.120000
2134.494	132.992	0.120000
2144.494	132.855	0.120000
2154.494	132.859	0.120000

Existing Polk City Model (Basins 5-8)  
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2164.494	132.827	0.120000
2174.494	132.958	0.120000
2184.494	133.105	0.120000
2194.494	133.106	0.120000
2204.494	133.075	0.120000
2214.494	132.872	0.120000
2224.494	132.849	0.120000
2234.494	132.897	0.120000
2244.493	132.842	0.120000
2254.493	132.903	0.120000
2264.493	133.051	0.120000
2274.493	133.101	0.120000
2284.493	133.078	0.120000
2294.493	133.166	0.120000
2304.493	133.074	0.120000
2314.493	133.071	0.120000
2324.493	133.120	0.120000
2334.491	133.202	0.120000
2344.491	133.139	0.120000
2354.491	133.175	0.120000
2364.491	133.166	0.120000
2374.491	133.239	0.120000
2384.491	133.229	0.120000
2394.491	133.298	0.120000
2404.491	133.364	0.120000
2414.162	133.303	0.120000
2424.162	133.374	0.120000
2434.162	133.422	0.120000
2444.162	133.427	0.120000
2453.986	133.425	0.120000
2463.986	133.450	0.120000
2473.986	133.478	0.120000
2483.986	133.516	0.120000
2493.986	133.663	0.120000
2503.986	133.737	0.120000
2513.986	133.832	0.120000
2523.986	133.981	0.120000
2533.984	134.253	0.120000
2543.984	134.452	0.120000
2553.984	134.685	0.120000
2563.984	134.606	0.120000
2573.984	134.503	0.120000
2583.984	134.664	0.120000
2593.984	134.789	0.120000
2603.642	134.854	0.120000
2613.642	134.874	0.120000
2623.642	134.893	0.120000
2633.642	134.915	0.120000
2643.642	134.912	0.120000
2653.642	134.900	0.120000
2663.550	134.878	0.120000
2673.550	134.808	0.120000
2683.550	134.590	0.120000
2693.550	134.944	0.120000
2702.483	134.973	0.120000
2712.483	134.747	0.120000
2722.483	134.908	0.120000
2732.197	134.939	0.120000
2742.197	134.950	0.120000
2752.197	134.914	0.120000
2760.865	134.820	0.120000
2770.865	134.902	0.120000
2780.865	134.810	0.120000
2790.865	134.880	0.120000
2800.800	134.889	0.120000
2810.800	134.861	0.120000
2820.800	134.897	0.120000
2830.749	134.993	0.120000
2840.749	135.377	0.120000
2850.749	135.440	0.120000
2860.749	135.442	0.120000
2870.749	135.785	0.120000
2880.749	135.656	0.120000

Existing Polk City Model (Basins 5-8)  
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Complete Input Report

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2890.461	135.711	0.120000
2900.461	135.797	0.120000
2910.461	135.757	0.120000
2920.292	135.749	0.120000
2930.292	135.575	0.120000
2940.292	135.248	0.120000
2950.204	135.447	0.120000
2960.204	135.436	0.120000
2969.813	135.299	0.120000
2979.813	135.574	0.120000
2989.813	135.472	0.120000
2999.813	135.656	0.120000
3009.755	135.719	0.120000
3019.755	135.719	0.120000
3029.755	135.637	0.120000
3039.755	135.456	0.120000
3049.755	135.426	0.120000
3059.755	135.428	0.120000
3069.530	135.440	0.120000
3079.530	135.461	0.120000
3089.530	135.482	0.120000
3099.530	135.493	0.120000
3109.530	135.524	0.120000
3119.530	135.550	0.120000
3128.986	135.554	0.120000
3138.986	135.653	0.120000
3148.986	135.825	0.120000
3156.631	135.787	0.120000
3166.631	135.634	0.120000
3176.631	135.613	0.120000
3186.631	135.574	0.120000
3196.631	135.539	0.120000
3206.600	135.520	0.120000
3216.600	135.477	0.120000
3226.600	135.466	0.120000
3236.600	135.465	0.120000
3246.600	135.460	0.120000
3256.600	135.446	0.120000
3266.600	135.431	0.120000
3276.600	135.452	0.120000
3286.600	135.454	0.120000
3296.586	135.406	0.120000
3306.586	135.551	0.120000
3315.625	135.409	0.120000
3325.625	135.407	0.120000
3335.457	135.251	0.120000
3345.457	134.725	0.120000
3355.457	134.776	0.120000
3365.457	134.796	0.120000
3375.457	134.742	0.120000
3384.917	134.753	0.120000
3394.917	134.742	0.120000
3404.917	134.747	0.120000
3414.917	134.755	0.120000
3424.917	134.732	0.120000
3434.906	134.765	0.120000
3444.906	134.782	0.120000
3454.906	134.791	0.120000
3464.906	134.869	0.120000
3474.906	134.774	0.120000
3484.906	134.803	0.120000
3494.906	134.815	0.120000
3504.906	134.825	0.120000
3514.906	134.795	0.120000
3524.906	134.608	0.120000
3534.906	134.704	0.120000
3544.906	134.786	0.120000
3554.905	134.827	0.120000
3564.905	134.914	0.120000
3574.905	134.720	0.120000
3584.905	134.633	0.120000
3594.905	134.636	0.120000
3604.905	134.573	0.120000

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3614.905	134.771	0.120000
3624.905	134.837	0.120000
3634.905	134.765	0.120000
3644.905	134.801	0.120000
3654.905	135.054	0.120000
3664.905	134.995	0.120000
3674.905	135.034	0.120000
3684.905	135.116	0.120000
3694.905	135.019	0.120000
3704.904	135.078	0.120000
3714.904	134.999	0.120000
3724.904	134.700	0.120000
3734.904	134.633	0.120000
3744.882	134.490	0.120000
3754.882	134.421	0.120000
3764.882	134.359	0.120000
3774.882	134.357	0.120000
3784.882	134.221	0.120000
3794.880	134.094	0.120000
3804.880	134.008	0.120000
3814.880	133.886	0.120000
3824.880	133.766	0.120000
3834.640	133.710	0.120000
3844.640	133.607	0.120000
3854.640	133.655	0.120000
3864.640	133.603	0.120000
3874.640	133.650	0.120000
3884.629	133.533	0.120000
3894.629	133.564	0.120000
3904.629	133.650	0.120000
3914.629	133.466	0.120000
3924.629	133.445	0.120000
3934.629	133.400	0.120000
3944.620	133.369	0.120000
3954.620	133.271	0.120000
3964.620	133.253	0.120000
3974.620	133.257	0.120000
3984.618	133.176	0.120000
3994.618	133.242	0.120000
4004.618	133.233	0.120000
4014.618	133.179	0.120000
4024.618	133.125	0.120000
4034.618	133.107	0.120000
4044.618	133.051	0.120000
4054.618	133.021	0.120000
4064.618	133.075	0.120000
4074.550	133.165	0.120000
4084.550	133.073	0.120000
4094.550	132.932	0.120000
4104.550	132.911	0.120000
4114.550	132.829	0.120000
4124.550	132.824	0.120000
4134.550	132.843	0.120000
4144.550	132.807	0.120000
4154.549	132.716	0.120000
4164.549	132.704	0.120000
4174.549	132.733	0.120000
4184.549	132.750	0.120000
4194.549	132.786	0.120000
4204.549	132.582	0.120000
4214.549	132.672	0.120000
4224.549	132.638	0.120000
4234.504	132.712	0.120000
4244.504	132.682	0.120000
4254.504	132.671	0.120000
4264.504	132.734	0.120000
4274.504	132.727	0.120000
4284.504	132.628	0.120000
4294.504	132.704	0.120000
4304.503	132.710	0.120000
4314.503	132.768	0.120000
4324.503	132.833	0.120000
4334.503	132.862	0.120000

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4344.503	132.842	0.120000
4354.503	132.794	0.120000
4364.459	132.819	0.120000
4374.459	132.876	0.120000
4384.459	132.827	0.120000
4394.459	132.789	0.120000
4404.459	132.822	0.120000
4414.459	132.818	0.120000
4424.459	132.786	0.120000
4434.459	132.773	0.120000
4444.450	132.776	0.120000
4454.450	132.682	0.120000
4464.450	132.801	0.120000
4474.450	132.739	0.120000
4484.450	132.679	0.120000
4494.450	132.622	0.120000
4504.450	132.573	0.120000
4514.450	132.611	0.120000
4524.450	132.566	0.120000
4534.446	132.684	0.120000
4544.446	132.700	0.120000
4554.446	132.716	0.120000
4564.446	132.722	0.120000
4574.446	132.718	0.120000
4584.446	132.677	0.120000
4594.446	132.640	0.120000
4604.116	132.658	0.120000
4614.116	132.759	0.120000
4624.116	132.730	0.120000
4633.759	132.722	0.120000
4643.759	132.724	0.120000
4653.759	132.721	0.120000
4663.709	132.737	0.120000
4673.709	132.838	0.120000
4683.709	132.849	0.120000
4693.709	132.892	0.120000
4703.709	132.739	0.120000
4713.691	132.803	0.120000
4723.691	132.890	0.120000
4733.691	132.910	0.120000
4743.691	132.887	0.120000
4753.691	132.926	0.120000
4763.681	132.898	0.120000
4773.681	132.895	0.120000
4783.681	132.883	0.120000
4793.681	132.858	0.120000
4803.678	132.862	0.120000
4813.678	132.856	0.120000
4823.678	132.821	0.120000
4833.678	132.832	0.120000
4843.678	132.818	0.120000
4853.675	132.781	0.120000
4863.675	132.738	0.120000
4873.675	132.756	0.120000
4883.675	132.867	0.120000
4893.675	132.922	0.120000
4903.675	133.040	0.120000
4913.675	133.069	0.120000
4923.675	133.035	0.120000
4933.675	132.940	0.120000
4943.675	132.741	0.120000
4953.672	132.706	0.120000
4963.672	132.709	0.120000
4973.672	132.621	0.120000
4983.672	132.659	0.120000
4993.667	132.682	0.120000
5003.667	132.705	0.120000
5013.667	132.577	0.120000
5023.667	132.635	0.120000
5033.664	132.496	0.120000
5043.664	132.604	0.120000
5053.664	132.617	0.120000
5063.664	132.576	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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5073.664	132.542	0.120000
5083.664	132.755	0.120000
5093.664	132.777	0.120000
5103.664	132.750	0.120000
5113.664	132.724	0.120000
5123.643	132.740	0.120000
5133.643	132.893	0.120000
5143.643	132.774	0.120000
5153.250	132.847	0.120000
5163.250	132.773	0.120000
5172.490	132.816	0.120000
5182.490	132.873	0.120000
5192.490	132.891	0.120000
5202.490	132.905	0.120000
5212.443	132.941	0.120000
5222.443	132.910	0.120000
5232.443	132.881	0.120000
5242.437	132.991	0.120000
5252.437	133.073	0.120000
5262.437	133.164	0.120000
5272.436	133.169	0.120000
5282.436	133.278	0.120000
5292.436	133.288	0.120000
5302.436	133.551	0.120000
5312.365	133.420	0.120000
5322.365	133.346	0.120000
5332.365	133.463	0.120000
5342.365	133.517	0.120000
5352.365	133.504	0.120000
5362.364	133.487	0.120000
5372.364	133.645	0.120000
5382.364	133.741	0.120000
5392.364	133.722	0.120000
5402.364	133.788	0.120000
5412.364	133.849	0.120000
5422.364	134.005	0.120000
5432.350	134.053	0.120000
5442.350	134.048	0.120000
5452.350	134.019	0.120000
5462.311	134.168	0.120000
5472.311	134.201	0.120000
5482.311	134.400	0.120000
5492.311	134.373	0.120000
5502.311	134.393	0.120000
5512.272	134.520	0.120000
5522.272	134.585	0.120000
5532.268	134.632	0.120000
5542.268	134.778	0.120000
5552.268	134.917	0.120000
5562.268	135.032	0.120000
5572.245	135.223	0.120000
5582.245	135.322	0.120000
5592.245	135.484	0.120000
5602.207	135.633	0.120000
5612.207	135.745	0.120000
5622.207	135.827	0.120000
5632.207	135.939	0.120000
5642.207	136.083	0.120000
5652.148	136.187	0.120000
5662.148	136.384	0.120000
5672.148	136.618	0.120000
5682.148	136.643	0.120000
5692.148	136.718	0.120000

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 Name: RHH8118C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.148	0.120000

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0.000	136.378	0.120000
10.000	136.356	0.120000
20.000	136.266	0.120000
30.000	136.225	0.120000
40.000	136.318	0.120000
50.000	136.266	0.120000
60.000	136.277	0.120000
70.000	136.280	0.120000
80.000	136.242	0.120000
90.000	136.399	0.120000
100.000	136.250	0.120000
110.000	136.271	0.120000
120.000	136.168	0.120000
129.999	136.331	0.120000
139.999	136.167	0.120000
149.999	136.177	0.120000
159.999	136.237	0.120000
169.999	136.284	0.120000
179.999	136.259	0.120000
189.999	136.228	0.120000
199.999	136.333	0.120000
209.999	136.359	0.120000
219.999	136.338	0.120000
229.999	136.357	0.120000
239.999	136.273	0.120000
249.999	136.381	0.120000
259.999	136.438	0.120000
269.999	136.477	0.120000
279.999	136.282	0.120000
289.999	136.463	0.120000
299.999	136.373	0.120000
309.999	136.469	0.120000
319.999	136.461	0.120000
329.999	136.275	0.120000
339.999	136.148	0.120000
349.999	136.318	0.120000
359.999	136.421	0.120000
369.999	136.483	0.120000
379.999	136.438	0.120000
389.999	136.458	0.120000
399.999	136.381	0.120000
409.999	136.396	0.120000
419.999	136.516	0.120000
429.999	136.431	0.120000
439.999	136.380	0.120000
449.998	136.506	0.120000
459.998	136.311	0.120000
469.998	136.251	0.120000
479.998	136.447	0.120000
489.998	136.352	0.120000
499.998	136.418	0.120000
509.998	136.398	0.120000
519.998	136.562	0.120000
529.998	136.405	0.120000
539.998	136.404	0.120000
549.998	136.325	0.120000
559.998	136.284	0.120000
569.998	136.287	0.120000
579.998	136.407	0.120000
589.998	136.268	0.120000
599.998	136.260	0.120000
609.998	136.389	0.120000
619.998	136.163	0.120000
629.998	136.281	0.120000
639.998	136.242	0.120000
649.998	136.251	0.120000
659.998	136.342	0.120000
669.996	136.297	0.120000
679.996	136.394	0.120000
689.996	136.304	0.120000
699.996	136.259	0.120000
709.996	136.360	0.120000
719.996	136.361	0.120000





Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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109.873	143.847	0.120000
119.855	143.534	0.120000
129.855	143.032	0.120000
139.847	142.740	0.120000
149.847	142.531	0.120000
159.812	142.467	0.120000
169.812	141.826	0.120000
179.065	141.697	0.120000
188.496	141.688	0.120000
198.496	141.716	0.120000
208.446	141.665	0.120000
218.446	141.629	0.120000
228.446	141.693	0.120000
237.481	141.656	0.120000
247.221	141.346	0.120000
257.221	141.104	0.120000
267.221	140.994	0.120000
277.219	140.656	0.120000
287.219	140.699	0.120000
297.001	140.362	0.120000
306.930	140.178	0.120000
316.930	140.089	0.120000
326.929	140.825	0.120000
336.929	140.611	0.120000
346.713	140.851	0.120000
353.587	140.669	0.120000
353.687	147.489	0.120000

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 Name: RHH81192B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.477	0.120000
0.000	140.669	0.120000
4.609	140.759	0.120000
14.609	140.764	0.120000
24.609	140.919	0.120000
34.609	141.020	0.120000
44.609	141.017	0.120000
54.609	141.114	0.120000
64.609	141.180	0.120000
74.554	141.268	0.120000
84.554	141.307	0.120000
94.554	141.421	0.120000
104.554	141.544	0.120000
114.554	141.567	0.120000
124.524	141.627	0.120000
134.524	141.718	0.120000
144.524	141.818	0.120000
154.524	141.848	0.120000
164.524	141.907	0.120000
174.524	141.915	0.120000
184.524	141.945	0.120000
194.512	142.115	0.120000
204.512	142.201	0.120000
214.512	142.091	0.120000
224.512	142.314	0.120000
234.474	142.232	0.120000
244.474	142.306	0.120000
254.474	142.220	0.120000
264.474	142.343	0.120000
274.474	142.191	0.120000
284.474	142.293	0.120000
294.474	142.477	0.120000
304.474	142.068	0.120000
314.474	141.904	0.120000
324.474	141.788	0.120000
334.474	141.816	0.120000
344.474	141.788	0.120000

Dewberry Engineers, Inc.  
 01/23/2023

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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354.474	141.680	0.120000
364.474	141.616	0.120000
374.474	141.446	0.120000
384.474	141.626	0.120000
394.474	141.320	0.120000
404.474	141.493	0.120000
414.467	141.263	0.120000
424.467	141.175	0.120000
434.467	140.999	0.120000
444.467	140.965	0.120000
454.467	140.916	0.120000
464.467	140.919	0.120000
474.467	140.718	0.120000
484.421	140.705	0.120000
494.421	140.541	0.120000
504.421	140.308	0.120000
514.421	140.041	0.120000
524.421	139.924	0.120000
534.421	139.890	0.120000
544.407	139.848	0.120000
554.407	139.712	0.120000
564.407	139.361	0.120000
574.407	139.348	0.120000
584.407	139.231	0.120000
594.407	139.279	0.120000
604.407	138.996	0.120000
614.407	138.745	0.120000
624.407	138.674	0.120000
634.407	138.524	0.120000
644.407	138.230	0.120000
654.407	138.489	0.120000
664.407	138.318	0.120000
674.406	137.825	0.120000
684.406	137.697	0.120000
694.406	137.559	0.120000
704.406	137.552	0.120000
714.406	137.164	0.120000
724.406	137.228	0.120000
734.401	136.881	0.120000
744.401	136.617	0.120000
754.401	136.363	0.120000
764.401	136.364	0.120000
774.401	136.157	0.120000
784.401	136.077	0.120000
794.401	136.038	0.120000
804.401	135.796	0.120000
814.401	135.723	0.120000
824.401	135.725	0.120000
834.401	135.667	0.120000
844.401	135.542	0.120000
854.364	135.517	0.120000
864.364	135.459	0.120000
874.364	135.414	0.120000
874.464	142.477	0.120000

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 Name: RHH8119A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	147.674	0.120000
0.000	147.674	0.120000
4.834	147.669	0.120000
14.834	147.396	0.120000
24.834	147.251	0.120000
34.834	147.013	0.120000
44.834	146.838	0.120000
54.834	146.595	0.120000
64.834	146.353	0.120000
74.489	145.910	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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84.489	145.307	0.120000
94.428	144.924	0.120000
104.428	144.265	0.120000
114.428	143.949	0.120000
124.428	143.735	0.120000
134.428	143.081	0.120000
144.428	142.818	0.120000
154.428	142.512	0.120000
164.428	142.008	0.120000
174.428	141.729	0.120000
184.428	141.319	0.120000
194.428	140.872	0.120000
204.348	140.367	0.120000
214.348	139.898	0.120000
224.348	139.565	0.120000
234.348	139.299	0.120000
244.348	138.668	0.120000
254.208	138.281	0.120000
264.208	137.829	0.120000
274.208	137.434	0.120000
284.208	136.845	0.120000
294.208	136.456	0.120000
304.083	136.272	0.120000
314.083	136.183	0.120000
324.083	136.066	0.120000
333.934	136.034	0.120000
343.934	136.050	0.120000
353.533	136.488	0.120000
363.533	135.752	0.120000
373.494	135.875	0.120000
383.494	136.015	0.120000
393.494	136.192	0.120000
403.494	136.415	0.120000
413.034	136.376	0.120000
423.034	136.443	0.120000
433.034	136.438	0.120000
443.034	136.749	0.120000
452.786	136.629	0.120000
462.786	136.724	0.120000
472.786	136.812	0.120000
482.786	137.250	0.120000
492.684	137.343	0.120000
502.684	137.520	0.120000
512.684	137.683	0.120000
522.684	137.600	0.120000
532.666	137.803	0.120000
542.666	137.752	0.120000
552.666	137.559	0.120000
562.666	137.938	0.120000
572.666	138.225	0.120000
582.665	138.181	0.120000
592.665	138.347	0.120000
602.665	138.480	0.120000
612.659	138.474	0.120000
622.659	138.606	0.120000
632.659	138.951	0.120000
642.659	139.092	0.120000
652.659	139.125	0.120000
662.626	139.320	0.120000
672.626	139.390	0.120000
682.626	139.497	0.120000
692.626	139.455	0.120000
702.626	139.554	0.120000
712.626	139.695	0.120000
722.626	139.716	0.120000
732.623	139.879	0.120000
742.618	139.969	0.120000
752.618	140.275	0.120000
762.618	140.413	0.120000
772.618	140.273	0.120000
782.457	140.501	0.120000
792.457	140.537	0.120000
802.457	140.571	0.120000

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 CR 557 Widening  
 Complete Input Report

812.457	140.725	0.120000
822.457	140.669	0.120000
822.557	147.674	0.120000

Name: RHH8120C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.390	0.120000
0.000	142.096	0.120000
5.168	142.081	0.120000
15.126	142.200	0.120000
25.126	142.259	0.120000
35.109	142.358	0.120000
45.109	142.388	0.120000
55.109	142.437	0.120000
65.109	142.525	0.120000
75.094	142.554	0.120000
85.094	142.632	0.120000
95.094	142.649	0.120000
105.094	142.811	0.120000
115.092	142.881	0.120000
125.092	143.064	0.120000
135.092	143.051	0.120000
145.092	143.158	0.120000
155.092	143.202	0.120000
164.991	143.352	0.120000
174.991	143.364	0.120000
184.991	143.283	0.120000
194.991	143.180	0.120000
204.991	143.390	0.120000
214.681	143.190	0.120000
224.681	142.807	0.120000
234.681	142.635	0.120000
244.681	142.409	0.120000
253.943	142.400	0.120000
263.943	142.358	0.120000
273.943	142.238	0.120000
283.943	142.434	0.120000
293.898	142.615	0.120000
303.898	142.236	0.120000
313.898	142.387	0.120000
323.898	142.670	0.120000
333.898	142.209	0.120000
343.881	142.583	0.120000
353.881	141.723	0.120000
363.881	141.758	0.120000
373.867	141.510	0.120000
383.867	141.438	0.120000
393.867	141.536	0.120000
403.867	141.188	0.120000
413.867	141.133	0.120000
423.867	141.029	0.120000
433.867	140.818	0.120000
443.866	140.771	0.120000
453.866	140.866	0.120000
463.866	140.494	0.120000
473.866	140.522	0.120000
483.864	140.608	0.120000
493.864	140.629	0.120000
503.864	140.618	0.120000
513.864	140.498	0.120000
523.864	140.598	0.120000
533.858	140.403	0.120000
543.858	140.238	0.120000
553.858	140.166	0.120000
563.858	140.197	0.120000
573.858	139.959	0.120000
583.858	139.852	0.120000

Existing Polk City Model (Basins 5-8)  
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593.858	139.823	0.120000
603.858	139.615	0.120000
613.831	139.595	0.120000
623.831	139.420	0.120000
633.831	139.129	0.120000
643.831	138.993	0.120000
653.831	138.780	0.120000
663.831	138.617	0.120000
673.831	138.483	0.120000
683.831	138.256	0.120000
693.831	138.171	0.120000
703.831	138.164	0.120000
713.724	138.087	0.120000
723.724	137.419	0.120000
733.724	137.031	0.120000
743.724	136.696	0.120000
753.724	136.725	0.120000
763.724	136.308	0.120000
773.176	136.322	0.120000
783.176	136.370	0.120000
793.176	136.363	0.120000
803.176	136.439	0.120000
813.176	136.602	0.120000
823.176	136.692	0.120000
833.162	136.860	0.120000
843.162	137.417	0.120000
853.162	137.186	0.120000
863.162	137.263	0.120000
873.145	136.935	0.120000
883.145	136.992	0.120000
893.145	136.639	0.120000
903.145	136.919	0.120000
913.145	136.151	0.120000
923.133	135.766	0.120000
933.133	136.561	0.120000
943.133	136.239	0.120000
953.133	136.319	0.120000
963.133	136.290	0.120000
973.133	136.281	0.120000
983.133	136.305	0.120000
993.128	136.471	0.120000
1003.128	136.376	0.120000
1013.128	136.535	0.120000
1023.128	136.518	0.120000
1033.128	136.599	0.120000
1043.128	136.512	0.120000
1053.128	136.503	0.120000
1063.128	136.288	0.120000
1073.128	136.128	0.120000
1083.128	136.427	0.120000
1093.128	136.704	0.120000
1103.128	136.396	0.120000
1113.128	136.350	0.120000
1123.128	136.347	0.120000
1133.128	136.412	0.120000
1143.128	136.391	0.120000
1153.126	136.582	0.120000
1163.126	136.785	0.120000
1173.126	136.394	0.120000
1183.126	136.218	0.120000
1193.126	136.169	0.120000
1203.126	136.462	0.120000
1213.126	136.415	0.120000
1223.126	136.300	0.120000
1233.126	136.690	0.120000
1243.126	136.173	0.120000
1253.126	136.461	0.120000
1263.126	136.172	0.120000
1273.116	135.901	0.120000
1283.116	135.769	0.120000
1293.116	136.048	0.120000
1303.116	136.356	0.120000
1313.116	136.322	0.120000



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407.773	135.352	0.120000
417.773	135.402	0.120000
427.769	135.436	0.120000
437.769	135.609	0.120000
447.769	135.150	0.120000
457.769	135.353	0.120000
467.769	135.116	0.120000
477.769	135.067	0.120000
487.769	135.183	0.120000
497.769	135.138	0.120000
507.733	135.392	0.120000
517.733	135.378	0.120000
527.733	135.551	0.120000
537.733	135.408	0.120000
547.673	135.451	0.120000
557.673	135.328	0.120000
567.673	135.272	0.120000
577.635	135.133	0.120000
587.635	135.203	0.120000
597.633	135.360	0.120000
607.633	135.300	0.120000
617.633	135.564	0.120000
627.630	135.312	0.120000
637.630	135.479	0.120000
647.628	135.520	0.120000
657.628	135.687	0.120000
667.628	135.731	0.120000
677.497	135.972	0.120000
687.497	136.053	0.120000
697.199	136.117	0.120000
697.299	140.067	0.120000

Name: RHH8135                                  Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.321	0.120000
0.000	137.653	0.120000
9.990	137.340	0.120000
19.990	136.696	0.120000
29.983	136.569	0.120000
39.983	136.321	0.120000
49.964	136.504	0.120000
59.862	136.829	0.120000
69.862	137.779	0.120000
74.711	137.758	0.120000
74.811	141.321	0.120000

Name: RHH8140                                  Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	139.438	0.120000
0.000	136.117	0.120000
2.513	136.119	0.120000
11.496	136.327	0.120000
21.496	134.986	0.120000
31.485	134.488	0.120000
41.477	134.796	0.120000
51.453	134.545	0.120000
61.073	134.438	0.120000
70.733	134.560	0.120000
80.662	134.620	0.120000
90.298	134.936	0.120000
100.289	135.375	0.120000



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110.288	135.505	0.120000
119.877	135.411	0.120000
129.729	135.296	0.120000
139.538	135.462	0.120000
149.538	135.496	0.120000
159.538	135.647	0.120000
169.536	135.608	0.120000
179.426	135.519	0.120000
187.768	135.488	0.120000
197.416	135.490	0.120000
207.416	135.608	0.120000
217.414	135.524	0.120000
227.399	135.527	0.120000
236.777	135.588	0.120000
246.451	135.683	0.120000
255.954	135.560	0.120000
265.938	135.635	0.120000
275.924	135.560	0.120000
285.924	135.436	0.120000
295.924	135.544	0.120000
305.903	135.678	0.120000
315.895	135.698	0.120000
325.812	135.701	0.120000
335.806	135.718	0.120000
345.614	135.721	0.120000
355.494	135.755	0.120000
365.490	135.759	0.120000
375.490	135.742	0.120000
385.463	135.846	0.120000
395.428	135.742	0.120000
405.428	135.913	0.120000
415.366	136.024	0.120000
425.076	136.085	0.120000
434.697	136.160	0.120000
444.458	136.227	0.120000
454.391	136.111	0.120000
464.386	136.289	0.120000
474.386	136.448	0.120000
484.325	136.759	0.120000
494.325	137.081	0.120000
504.325	137.215	0.120000
504.425	139.438	0.120000

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 Name: RHH8145A  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	140.414	0.120000
0.000	139.952	0.120000
4.506	139.930	0.120000
14.506	139.394	0.120000
24.405	139.284	0.120000
34.405	139.130	0.120000
44.405	138.954	0.120000
54.405	138.612	0.120000
64.405	138.150	0.120000
74.405	137.982	0.120000
84.405	137.611	0.120000
94.357	137.276	0.120000
104.357	136.881	0.120000
114.357	136.632	0.120000
124.245	136.386	0.120000
134.114	136.248	0.120000
144.114	135.948	0.120000
154.114	135.873	0.120000
163.984	136.083	0.120000
173.984	136.061	0.120000
183.984	136.026	0.120000
193.983	135.986	0.120000

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203.983	135.950	0.120000
213.983	135.877	0.120000
223.844	135.577	0.120000
233.844	135.583	0.120000
243.844	135.668	0.120000
253.844	135.677	0.120000
263.833	135.572	0.120000
273.833	135.548	0.120000
283.588	135.424	0.120000
293.588	135.435	0.120000
302.967	135.414	0.120000
303.067	140.414	0.120000

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Name: RHH8145B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.503	0.120000
0.000	135.414	0.120000
1.756	135.414	0.120000
11.726	135.483	0.120000
21.726	135.450	0.120000
31.726	135.334	0.120000
41.726	135.510	0.120000
51.567	135.267	0.120000
61.567	135.181	0.120000
71.560	135.158	0.120000
81.560	135.142	0.120000
91.557	135.063	0.120000
101.557	134.886	0.120000
111.459	134.688	0.120000
121.459	134.503	0.120000
131.459	134.426	0.120000
141.448	134.290	0.120000
151.448	134.176	0.120000
161.364	134.043	0.120000
171.364	133.969	0.120000
181.364	134.000	0.120000
191.354	133.861	0.120000
201.321	133.796	0.120000
211.321	133.794	0.120000
221.024	133.723	0.120000
230.931	133.643	0.120000
240.931	133.761	0.120000
250.917	133.735	0.120000
260.917	133.748	0.120000
270.861	133.697	0.120000
280.861	133.503	0.120000
290.861	133.517	0.120000
300.304	133.674	0.120000
310.264	133.714	0.120000
320.264	133.715	0.120000
329.985	133.748	0.120000
339.984	133.717	0.120000
349.984	133.787	0.120000
359.951	133.743	0.120000
369.951	133.811	0.120000
379.911	133.706	0.120000
389.881	133.693	0.120000
399.748	133.706	0.120000
409.650	133.701	0.120000
419.626	133.709	0.120000
429.626	133.697	0.120000
438.290	133.715	0.120000
448.290	133.837	0.120000
456.288	133.972	0.120000
466.257	134.293	0.120000
476.257	134.704	0.120000
486.138	134.157	0.120000

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495.918	134.092	0.120000
505.918	134.139	0.120000
515.917	134.138	0.120000
525.038	134.008	0.120000
535.038	134.000	0.120000
544.858	134.048	0.120000
554.858	134.094	0.120000
564.620	134.245	0.120000
574.620	134.316	0.120000
584.620	134.438	0.120000
593.901	134.623	0.120000
603.822	134.703	0.120000
613.822	134.766	0.120000
623.822	135.020	0.120000
633.822	135.199	0.120000
643.721	135.318	0.120000
653.721	135.471	0.120000
662.810	135.488	0.120000
672.810	135.570	0.120000
682.810	135.756	0.120000
691.741	136.061	0.120000
701.710	136.354	0.120000
711.710	136.710	0.120000
711.810	138.503	0.120000

Name: RHH8145C  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.590	0.120000
0.000	136.736	0.120000
6.257	136.795	0.120000
16.257	136.625	0.120000
26.257	136.590	0.120000
36.257	136.787	0.120000
46.257	136.783	0.120000
56.257	136.795	0.120000
66.257	136.661	0.120000
76.257	136.758	0.120000
86.257	136.839	0.120000
96.257	136.803	0.120000
106.257	136.770	0.120000
116.257	136.790	0.120000
126.257	136.847	0.120000
136.257	136.903	0.120000
146.257	136.933	0.120000
156.257	136.961	0.120000
166.257	136.951	0.120000
176.257	137.028	0.120000
186.257	137.106	0.120000
196.257	137.115	0.120000
206.257	137.090	0.120000
216.257	137.204	0.120000
226.257	137.096	0.120000
236.257	137.161	0.120000
246.257	137.190	0.120000
256.257	137.119	0.120000
266.257	137.166	0.120000
276.257	137.224	0.120000
286.257	137.122	0.120000
296.257	137.213	0.120000
306.257	137.185	0.120000
316.257	137.234	0.120000
326.257	137.257	0.120000
336.257	137.368	0.120000
346.257	137.358	0.120000
356.257	137.343	0.120000
366.257	137.425	0.120000
376.257	137.498	0.120000

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386.257	137.493	0.120000
396.257	137.477	0.120000
406.257	137.505	0.120000
416.257	137.576	0.120000
426.257	137.450	0.120000
436.257	137.541	0.120000
446.257	137.635	0.120000
456.257	137.743	0.120000
466.257	137.719	0.120000
476.257	137.687	0.120000
486.257	137.786	0.120000
496.257	137.886	0.120000
506.257	137.878	0.120000
516.257	137.911	0.120000
526.257	137.956	0.120000
536.257	138.019	0.120000
546.257	138.136	0.120000
556.257	138.300	0.120000
566.257	138.198	0.120000
576.257	138.339	0.120000
586.257	138.357	0.120000
596.257	138.332	0.120000
606.257	138.566	0.120000
606.357	141.590	0.120000

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 Name: RHH8150A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	152.406	0.120000
0.000	147.674	0.120000
3.512	147.674	0.120000
13.512	147.760	0.120000
23.512	147.812	0.120000
33.512	147.843	0.120000
43.512	148.090	0.120000
53.512	148.172	0.120000
63.512	148.364	0.120000
73.512	148.534	0.120000
83.512	148.609	0.120000
93.512	148.762	0.120000
103.512	148.707	0.120000
113.512	148.694	0.120000
123.512	148.675	0.120000
133.512	148.861	0.120000
143.511	148.683	0.120000
153.511	148.629	0.120000
163.511	148.704	0.120000
173.511	148.727	0.120000
183.511	148.792	0.120000
193.511	148.922	0.120000
203.511	148.844	0.120000
213.511	148.815	0.120000
223.511	148.966	0.120000
233.511	149.330	0.120000
243.511	149.111	0.120000
253.511	149.104	0.120000
263.511	149.207	0.120000
273.511	149.176	0.120000
283.511	148.739	0.120000
293.511	148.712	0.120000
303.511	148.644	0.120000
313.511	148.603	0.120000
323.511	148.551	0.120000
333.511	148.617	0.120000
343.511	148.611	0.120000
353.511	148.431	0.120000
363.511	148.221	0.120000
373.511	148.197	0.120000

Existing Polk City Model (Basins 5-8)  
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383.511	148.159	0.120000
393.511	148.108	0.120000
403.511	147.854	0.120000
413.511	147.890	0.120000
423.511	147.747	0.120000
433.511	147.666	0.120000
443.511	147.624	0.120000
453.511	147.517	0.120000
463.511	147.538	0.120000
473.511	147.610	0.120000
483.511	147.545	0.120000
493.508	147.406	0.120000
503.508	147.436	0.120000
513.508	147.607	0.120000
523.508	147.646	0.120000
533.508	147.704	0.120000
543.508	147.694	0.120000
553.508	147.668	0.120000
563.508	147.674	0.120000
573.508	147.717	0.120000
583.424	147.628	0.120000
593.424	147.489	0.120000
593.524	152.406	0.120000

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 Name: RHH8150C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.433	0.120000
0.000	139.952	0.120000
10.000	139.165	0.120000
19.995	137.744	0.120000
29.993	135.433	0.120000
39.923	135.480	0.120000
49.923	136.440	0.120000
59.923	137.402	0.120000
69.923	137.620	0.120000
79.923	137.903	0.120000
89.923	138.481	0.120000
99.923	138.459	0.120000
105.378	138.566	0.120000
105.478	140.433	0.120000

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 Name: RHH8150D  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	147.489	0.120000
0.000	147.489	0.120000
4.012	147.489	0.120000
14.012	147.335	0.120000
24.012	147.226	0.120000
34.012	146.831	0.120000
44.012	145.995	0.120000
54.012	144.979	0.120000
63.970	144.581	0.120000
73.970	143.524	0.120000
83.970	144.507	0.120000
93.966	144.061	0.120000
103.966	144.854	0.120000
113.966	144.396	0.120000
123.966	144.369	0.120000
133.966	144.403	0.120000
143.966	143.663	0.120000
153.966	143.932	0.120000

Existing Polk City Model (Basins 5-8)  
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163.966	144.160	0.120000
173.966	143.990	0.120000
183.966	143.535	0.120000
193.966	143.197	0.120000
203.966	143.369	0.120000
213.966	143.059	0.120000
223.966	143.581	0.120000
233.966	142.559	0.120000
243.966	142.854	0.120000
253.966	143.381	0.120000
263.966	143.760	0.120000
273.966	143.310	0.120000
283.966	143.264	0.120000
293.966	142.886	0.120000
303.966	142.056	0.120000
313.966	142.275	0.120000
323.966	143.218	0.120000
333.966	143.434	0.120000
343.966	143.287	0.120000
353.966	143.442	0.120000
363.966	142.747	0.120000
373.966	142.905	0.120000
383.966	143.416	0.120000
393.966	142.916	0.120000
403.966	143.177	0.120000
413.966	142.772	0.120000
423.966	143.558	0.120000
433.966	142.229	0.120000
443.966	142.451	0.120000
453.966	142.572	0.120000
463.966	142.610	0.120000
473.966	142.473	0.120000
483.966	142.468	0.120000
493.966	142.631	0.120000
503.947	141.947	0.120000
513.947	141.428	0.120000
523.947	141.120	0.120000
533.947	140.941	0.120000
543.732	140.630	0.120000
553.732	140.447	0.120000
563.732	140.321	0.120000
573.732	140.094	0.120000
583.732	139.952	0.120000
583.832	147.489	0.120000

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Name: RHH8150E  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	139.660	0.120000
0.000	136.584	0.120000
10.000	136.521	0.120000
20.000	136.228	0.120000
30.000	135.824	0.120000
39.991	135.523	0.120000
49.991	134.660	0.120000
59.991	134.966	0.120000
69.987	135.854	0.120000
79.987	136.085	0.120000
88.917	136.307	0.120000
89.017	139.660	0.120000

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Name: RHH8155  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
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-0.100	136.499	0.120000
0.000	136.378	0.120000
7.724	136.226	0.120000
17.724	136.043	0.120000
27.724	135.702	0.120000
37.724	135.099	0.120000
47.724	134.313	0.120000
57.724	133.359	0.120000
67.724	132.804	0.120000
77.724	132.163	0.120000
87.702	131.987	0.120000
97.702	132.070	0.120000
107.307	132.356	0.120000
117.307	132.147	0.120000
127.195	132.530	0.120000
137.195	132.332	0.120000
147.195	132.243	0.120000
157.195	132.148	0.120000
167.182	132.146	0.120000
177.182	132.190	0.120000
187.182	132.281	0.120000
197.182	132.235	0.120000
207.182	132.116	0.120000
217.182	132.217	0.120000
227.175	132.169	0.120000
237.175	131.700	0.120000
247.175	131.499	0.120000
257.175	131.591	0.120000
267.173	131.809	0.120000
277.173	132.571	0.120000
287.173	132.390	0.120000
297.173	132.554	0.120000
307.160	132.520	0.120000
317.160	132.471	0.120000
327.160	132.547	0.120000
337.160	132.606	0.120000
347.160	132.689	0.120000
357.160	132.676	0.120000
367.160	132.654	0.120000
377.160	132.777	0.120000
387.160	132.894	0.120000
397.160	132.918	0.120000
407.108	133.112	0.120000
417.108	133.203	0.120000
427.108	133.024	0.120000
437.107	133.127	0.120000
447.107	133.240	0.120000
457.104	133.460	0.120000
467.104	133.481	0.120000
477.104	133.628	0.120000
487.104	133.449	0.120000
497.104	133.616	0.120000
507.104	133.645	0.120000
517.076	133.608	0.120000
527.076	133.575	0.120000
537.076	133.670	0.120000
547.031	133.604	0.120000
557.031	133.684	0.120000
567.031	133.644	0.120000
577.031	133.670	0.120000
587.030	133.664	0.120000
597.030	133.685	0.120000
607.030	133.606	0.120000
617.030	133.660	0.120000
627.030	133.533	0.120000
637.030	133.592	0.120000
647.030	133.488	0.120000
657.030	133.429	0.120000
667.030	133.271	0.120000
677.030	133.261	0.120000
686.988	133.330	0.120000
696.988	133.283	0.120000

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706.568	133.353	0.120000
716.439	133.205	0.120000
726.438	133.356	0.120000
736.424	133.357	0.120000
746.424	133.340	0.120000
756.396	133.480	0.120000
766.396	133.261	0.120000
776.396	133.426	0.120000
786.394	133.174	0.120000
796.394	133.381	0.120000
806.343	133.433	0.120000
816.343	133.551	0.120000
826.204	133.504	0.120000
836.204	133.563	0.120000
846.116	133.736	0.120000
856.116	133.700	0.120000
865.906	133.714	0.120000
875.906	133.649	0.120000
885.790	133.412	0.120000
895.779	133.281	0.120000
905.779	133.340	0.120000
915.779	133.528	0.120000
925.765	133.484	0.120000
935.765	133.515	0.120000
945.687	133.537	0.120000
955.004	133.893	0.120000
964.985	133.923	0.120000
974.946	133.961	0.120000
984.946	134.088	0.120000
994.942	134.209	0.120000
1004.942	134.169	0.120000
1014.940	133.904	0.120000
1024.833	133.771	0.120000
1034.833	133.770	0.120000
1044.787	133.763	0.120000
1054.787	133.721	0.120000
1064.783	133.690	0.120000
1074.783	133.744	0.120000
1084.676	133.666	0.120000
1094.676	133.640	0.120000
1104.561	133.768	0.120000
1114.561	133.692	0.120000
1124.550	133.751	0.120000
1134.548	133.758	0.120000
1144.548	133.743	0.120000
1154.548	133.747	0.120000
1164.548	133.780	0.120000
1174.485	133.810	0.120000
1184.474	133.832	0.120000
1194.474	133.916	0.120000
1204.089	133.959	0.120000
1214.089	133.989	0.120000
1224.085	133.976	0.120000
1234.085	133.970	0.120000
1244.085	134.087	0.120000
1252.942	134.218	0.120000
1253.042	136.499	0.120000

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 Name: RHH8160B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.224	0.120000
0.000	136.584	0.120000
10.000	136.634	0.120000
20.000	136.533	0.120000
30.000	136.535	0.120000
40.000	136.494	0.120000
50.000	136.632	0.120000



Existing Polk City Model (Basins 5-8)  
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60.000	136.477	0.120000
70.000	136.456	0.120000
80.000	136.394	0.120000
90.000	136.394	0.120000
100.000	136.375	0.120000
110.000	136.432	0.120000
120.000	136.427	0.120000
130.000	136.477	0.120000
140.000	136.353	0.120000
150.000	136.374	0.120000
160.000	136.391	0.120000
170.000	136.272	0.120000
180.000	136.383	0.120000
190.000	136.299	0.120000
200.000	136.439	0.120000
210.000	136.414	0.120000
220.000	136.312	0.120000
230.000	136.272	0.120000
240.000	136.301	0.120000
250.000	136.354	0.120000
260.000	136.225	0.120000
270.000	136.224	0.120000
280.000	136.286	0.120000
290.000	136.301	0.120000
300.000	136.288	0.120000
304.669	136.234	0.120000
304.769	141.224	0.120000

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Name: RHH8160C  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.456	0.120000
0.000	136.234	0.120000
4.956	136.306	0.120000
14.954	136.143	0.120000
24.954	135.744	0.120000
34.954	135.585	0.120000
44.954	134.684	0.120000
54.954	133.456	0.120000
64.954	133.659	0.120000
74.953	133.964	0.120000
84.952	134.032	0.120000
94.952	134.066	0.120000
104.889	134.132	0.120000
114.083	134.218	0.120000
114.183	138.456	0.120000

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Name: RHH8160D  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	139.218	0.120000
0.000	136.307	0.120000
9.940	136.143	0.120000
19.940	135.932	0.120000
29.825	135.942	0.120000
39.825	135.949	0.120000
49.820	135.692	0.120000
59.820	135.614	0.120000
69.820	135.616	0.120000
79.820	135.613	0.120000
89.790	135.610	0.120000
99.790	135.366	0.120000
109.681	135.324	0.120000

Existing Polk City Model (Basins 5-8)  
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119.681	135.219	0.120000
129.677	135.188	0.120000
139.677	135.186	0.120000
149.596	134.942	0.120000
159.596	134.895	0.120000
165.031	134.817	0.120000
175.031	134.765	0.120000
184.753	134.735	0.120000
194.753	134.744	0.120000
204.249	134.606	0.120000
214.101	134.444	0.120000
224.101	134.376	0.120000
234.101	134.511	0.120000
244.092	134.457	0.120000
254.092	134.625	0.120000
263.565	134.680	0.120000
273.564	134.602	0.120000
283.564	134.583	0.120000
293.514	134.536	0.120000
303.514	134.408	0.120000
313.506	134.370	0.120000
323.506	134.326	0.120000
333.431	134.283	0.120000
339.169	134.218	0.120000
339.269	139.218	0.120000

Name: RHH8165C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.389	0.120000
0.000	136.736	0.120000
10.000	136.684	0.120000
20.000	136.586	0.120000
30.000	136.186	0.120000
40.000	136.090	0.120000
50.000	135.695	0.120000
60.000	135.427	0.120000
70.000	135.389	0.120000
79.980	135.463	0.120000
89.980	135.780	0.120000
99.980	135.819	0.120000
109.980	136.227	0.120000
119.980	136.325	0.120000
129.902	136.341	0.120000
139.902	136.402	0.120000
149.902	136.295	0.120000
159.902	136.335	0.120000
169.902	136.291	0.120000
179.902	136.115	0.120000
189.896	136.140	0.120000
199.896	136.273	0.120000
209.896	136.302	0.120000
219.896	136.385	0.120000
229.896	136.441	0.120000
239.843	136.613	0.120000
249.843	136.668	0.120000
253.520	136.668	0.120000
253.620	140.389	0.120000

Name: RHH8170C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.261	0.120000

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0.000	136.816	0.120000
3.278	136.816	0.120000
13.278	136.306	0.120000
23.278	136.261	0.120000
33.278	136.461	0.120000
43.267	136.710	0.120000
43.367	141.261	0.120000

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Name: RHH81751A                              Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	143.240	0.120000
0.000	139.924	0.120000
0.170	139.924	0.120000
10.167	139.412	0.120000
20.167	138.897	0.120000
30.167	138.253	0.120000
40.149	138.240	0.120000
50.149	138.406	0.120000
59.151	138.418	0.120000
69.151	138.545	0.120000
79.151	138.634	0.120000
89.149	138.600	0.120000
99.149	138.704	0.120000
109.149	138.757	0.120000
119.149	138.815	0.120000
129.149	139.011	0.120000
139.149	139.015	0.120000
149.136	139.024	0.120000
159.136	139.109	0.120000
169.136	139.233	0.120000
179.136	139.274	0.120000
189.136	139.388	0.120000
199.128	139.461	0.120000
209.128	139.619	0.120000
219.128	139.612	0.120000
229.128	139.725	0.120000
239.128	139.815	0.120000
249.128	139.961	0.120000
259.127	140.033	0.120000
269.127	140.117	0.120000
279.127	140.147	0.120000
289.127	140.215	0.120000
299.127	140.321	0.120000
309.127	140.345	0.120000
319.126	140.286	0.120000
329.126	140.426	0.120000
339.126	140.509	0.120000
349.126	140.617	0.120000
359.126	140.737	0.120000
369.126	140.813	0.120000
379.126	140.772	0.120000
389.126	140.676	0.120000
399.126	140.806	0.120000
409.126	140.848	0.120000
419.115	140.950	0.120000
429.115	141.145	0.120000
439.115	141.252	0.120000
449.056	141.223	0.120000
449.156	143.240	0.120000

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Name: RHH81751C                              Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
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Existing Polk City Model (Basins 5-8)  
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-0.100	147.353	0.120000
0.000	142.096	0.120000
0.121	142.096	0.120000
10.056	141.825	0.120000
20.056	140.386	0.120000
30.056	141.143	0.120000
40.056	142.266	0.120000
50.056	142.442	0.120000
59.527	142.536	0.120000
69.527	142.751	0.120000
79.527	142.862	0.120000
89.527	142.985	0.120000
99.527	143.240	0.120000
109.480	143.428	0.120000
119.480	143.494	0.120000
129.479	143.718	0.120000
139.479	144.052	0.120000
149.479	144.227	0.120000
159.479	144.350	0.120000
169.479	144.484	0.120000
179.176	144.628	0.120000
189.176	144.753	0.120000
199.176	144.992	0.120000
209.176	145.189	0.120000
219.176	145.227	0.120000
229.176	145.400	0.120000
239.176	145.564	0.120000
248.417	145.726	0.120000
258.417	145.951	0.120000
268.303	146.095	0.120000
278.303	146.308	0.120000
288.303	146.342	0.120000
298.303	146.535	0.120000
308.303	146.661	0.120000
318.289	146.838	0.120000
328.289	147.017	0.120000
338.289	147.231	0.120000
348.289	147.353	0.120000
348.389	147.353	0.120000

Name: RHH8180B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	147.353	0.120000
0.000	139.924	0.120000
3.253	140.137	0.120000
13.252	140.398	0.120000
23.252	140.412	0.120000
33.236	140.481	0.120000
43.084	140.663	0.120000
53.084	140.599	0.120000
62.467	140.895	0.120000
72.467	141.130	0.120000
82.467	141.257	0.120000
92.327	141.268	0.120000
102.327	141.732	0.120000
112.155	142.291	0.120000
122.155	142.333	0.120000
131.650	142.447	0.120000
141.650	142.567	0.120000
151.650	142.699	0.120000
161.650	142.795	0.120000
171.650	142.936	0.120000
181.605	143.169	0.120000
191.563	143.364	0.120000
201.563	143.448	0.120000
211.515	143.601	0.120000



Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
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Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	146.707	0.120000
0.000	146.678	0.120000
8.790	146.707	0.120000
18.790	146.544	0.120000
28.790	146.330	0.120000
38.790	146.178	0.120000
48.768	146.066	0.120000
58.768	145.831	0.120000
68.768	145.608	0.120000
78.768	145.464	0.120000
88.768	145.350	0.120000
98.768	145.173	0.120000
108.757	145.261	0.120000
118.757	145.172	0.120000
128.757	144.950	0.120000
138.757	144.834	0.120000
148.757	144.700	0.120000
158.757	144.437	0.120000
168.757	144.383	0.120000
178.757	144.349	0.120000
188.757	144.239	0.120000
198.757	144.045	0.120000
208.757	143.998	0.120000
218.757	143.988	0.120000
228.757	143.989	0.120000
238.757	143.967	0.120000
248.757	143.964	0.120000
258.757	143.891	0.120000
268.757	143.872	0.120000
278.757	143.668	0.120000
288.757	143.744	0.120000
298.757	143.392	0.120000
308.757	143.352	0.120000
318.757	143.462	0.120000
328.757	143.705	0.120000
338.757	143.017	0.120000
348.757	142.991	0.120000
358.756	142.926	0.120000
368.756	142.855	0.120000
378.756	142.705	0.120000
388.756	142.864	0.120000
398.756	142.672	0.120000
408.756	142.834	0.120000
418.728	142.641	0.120000
428.728	142.626	0.120000
438.728	142.196	0.120000
448.728	142.279	0.120000
458.728	142.168	0.120000
468.728	141.849	0.120000
478.728	141.918	0.120000
488.702	141.809	0.120000
498.702	141.696	0.120000
508.702	141.642	0.120000
518.702	141.769	0.120000
528.702	141.629	0.120000
538.635	141.583	0.120000
548.635	141.509	0.120000
558.635	141.399	0.120000
568.635	141.248	0.120000
578.602	141.019	0.120000
588.602	140.929	0.120000
598.602	140.842	0.120000
608.548	140.860	0.120000
618.548	140.420	0.120000
628.548	140.195	0.120000
638.548	139.928	0.120000
648.548	139.766	0.120000

Existing Polk City Model (Basins 5-8)  
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658.518	139.108	0.120000
668.518	138.657	0.120000
678.518	138.279	0.120000
688.335	138.209	0.120000
698.335	138.652	0.120000
708.335	138.411	0.120000
717.991	137.687	0.120000
727.991	137.544	0.120000
737.986	137.431	0.120000
747.986	137.294	0.120000
757.265	137.218	0.120000
767.265	137.009	0.120000
777.265	136.839	0.120000
787.265	136.668	0.120000
787.365	146.707	0.120000

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Name: RHH8180E  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.586	0.120000
0.000	136.668	0.120000
0.920	136.696	0.120000
10.920	136.775	0.120000
20.920	136.586	0.120000
30.920	136.732	0.120000
40.920	136.816	0.120000
41.020	141.586	0.120000

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Name: RHH8181A  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	139.819	0.120000
0.000	134.860	0.120000
10.004	134.845	0.120000
20.004	134.855	0.120000
29.983	134.846	0.120000
39.983	134.847	0.120000
49.983	134.957	0.120000
59.971	134.919	0.120000
69.971	134.923	0.120000
79.971	134.940	0.120000
89.954	134.928	0.120000
99.954	134.921	0.120000
109.897	134.932	0.120000
119.893	134.909	0.120000
129.893	134.933	0.120000
139.810	134.944	0.120000
149.810	134.952	0.120000
159.803	134.932	0.120000
169.803	134.926	0.120000
179.803	134.960	0.120000
189.803	134.956	0.120000
199.798	134.979	0.120000
209.798	134.973	0.120000
219.798	134.976	0.120000
229.792	134.970	0.120000
239.792	134.959	0.120000
249.792	134.950	0.120000
259.792	134.923	0.120000
269.751	134.907	0.120000
279.732	134.940	0.120000
289.732	134.925	0.120000
299.732	134.911	0.120000

Existing Polk City Model (Basins 5-8)  
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309.732	134.851	0.120000
319.731	134.902	0.120000
329.731	134.930	0.120000
339.731	134.956	0.120000
349.731	134.960	0.120000
359.731	134.957	0.120000
369.731	134.960	0.120000
379.731	134.950	0.120000
389.731	134.936	0.120000
399.731	134.901	0.120000
409.731	134.865	0.120000
419.731	134.869	0.120000
429.731	134.819	0.120000
439.731	134.907	0.120000
449.731	134.903	0.120000
459.707	134.880	0.120000
469.707	134.873	0.120000
479.707	134.895	0.120000
489.707	134.940	0.120000
499.631	134.971	0.120000
509.631	135.060	0.120000
519.631	135.107	0.120000
529.595	135.074	0.120000
539.595	135.126	0.120000
549.595	135.114	0.120000
559.595	135.096	0.120000
569.595	135.161	0.120000
579.585	135.118	0.120000
589.585	135.061	0.120000
599.585	135.081	0.120000
609.585	135.100	0.120000
619.585	135.118	0.120000
629.585	135.011	0.120000
639.585	135.084	0.120000
649.585	135.142	0.120000
659.585	135.078	0.120000
669.584	135.050	0.120000
679.584	135.023	0.120000
689.584	134.866	0.120000
699.584	134.866	0.120000
709.584	134.901	0.120000
719.584	134.965	0.120000
729.584	134.901	0.120000
739.584	134.952	0.120000
749.584	134.913	0.120000
759.584	134.894	0.120000
769.583	134.901	0.120000
779.583	134.852	0.120000
789.583	134.886	0.120000
799.583	134.916	0.120000
809.583	134.868	0.120000
819.561	134.943	0.120000
829.561	134.906	0.120000
839.561	134.907	0.120000
849.561	134.919	0.120000
859.537	134.883	0.120000
869.537	134.861	0.120000
879.537	134.874	0.120000
889.537	134.862	0.120000
899.535	134.887	0.120000
909.535	134.887	0.120000
919.535	134.869	0.120000
929.535	134.849	0.120000
939.535	134.893	0.120000
949.535	134.859	0.120000
959.535	134.842	0.120000
969.535	135.084	0.120000
979.534	135.092	0.120000
989.534	135.147	0.120000
999.534	135.186	0.120000
1009.534	135.203	0.120000
1019.534	135.278	0.120000
1029.534	135.306	0.120000



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1039.531	135.185	0.120000
1049.531	135.279	0.120000
1059.531	135.348	0.120000
1069.531	135.383	0.120000
1079.531	135.471	0.120000
1089.531	135.391	0.120000
1099.531	135.540	0.120000
1109.530	135.638	0.120000
1119.530	135.661	0.120000
1129.530	135.711	0.120000
1139.530	135.685	0.120000
1139.630	139.819	0.120000

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 Name: RHH8181D  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
2825.947	136.263	0.120000
2834.179	136.160	0.120000
2844.179	135.679	0.120000
2854.179	135.022	0.120000
2864.179	134.681	0.120000
2874.179	134.214	0.120000
2884.177	131.826	0.120000
2894.177	131.374	0.120000
2904.177	131.381	0.120000
2913.967	131.398	0.120000
2923.967	131.381	0.120000
2933.967	131.388	0.120000
2943.967	131.447	0.120000
2953.774	131.519	0.120000
2963.774	131.568	0.120000
2973.774	131.733	0.120000
2983.774	131.931	0.120000
2993.774	132.379	0.120000
3003.774	132.510	0.120000
3013.774	132.537	0.120000
3023.724	132.564	0.120000
3033.724	132.614	0.120000
3043.724	132.557	0.120000
3053.724	132.727	0.120000
3063.709	132.816	0.120000
3073.618	132.921	0.120000
3083.618	132.934	0.120000
3093.618	132.913	0.120000
3103.576	132.914	0.120000
3113.576	132.947	0.120000
3123.576	132.959	0.120000
3133.576	132.972	0.120000
3143.576	132.994	0.120000
3152.873	133.008	0.120000
3162.873	132.980	0.120000
3172.854	132.970	0.120000
3182.854	132.956	0.120000
3192.854	132.952	0.120000
3202.854	132.948	0.120000
3212.854	132.967	0.120000
3220.904	132.962	0.120000
3230.888	132.960	0.120000
3240.888	132.910	0.120000
3250.870	132.804	0.120000
3260.870	132.678	0.120000
3270.870	132.594	0.120000
3280.763	132.474	0.120000
3290.763	132.386	0.120000
3300.531	132.288	0.120000
3310.531	132.243	0.120000
3320.531	132.210	0.120000
3330.397	132.170	0.120000

Existing Polk City Model (Basins 5-8)  
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3340.397	132.124	0.120000
3350.282	132.118	0.120000
3360.282	132.137	0.120000
3370.282	132.190	0.120000
3380.142	132.340	0.120000
3390.142	132.584	0.120000
3400.039	132.613	0.120000
3410.039	132.628	0.120000
3420.039	132.614	0.120000
3429.946	132.576	0.120000
3439.946	132.471	0.120000
3449.946	132.451	0.120000
3459.907	132.711	0.120000
3469.907	132.586	0.120000
3479.907	132.373	0.120000
3489.907	132.185	0.120000
3499.889	132.068	0.120000
3509.889	131.813	0.120000
3519.620	131.703	0.120000
3529.620	131.691	0.120000
3539.620	131.776	0.120000
3549.620	131.916	0.120000
3556.832	132.055	0.120000
3566.796	132.368	0.120000
3576.796	132.434	0.120000
3586.215	132.777	0.120000
3596.215	132.487	0.120000
3606.215	132.286	0.120000
3616.215	132.587	0.120000
3626.193	132.530	0.120000
3636.193	132.677	0.120000
3646.185	132.782	0.120000
3656.185	132.796	0.120000
3666.185	132.806	0.120000
3676.185	132.768	0.120000
3686.184	132.671	0.120000
3696.184	132.641	0.120000
3706.184	132.601	0.120000
3716.180	132.541	0.120000
3726.180	132.423	0.120000
3736.180	132.428	0.120000
3746.180	132.392	0.120000
3756.156	132.315	0.120000
3766.156	132.549	0.120000
3776.156	132.767	0.120000
3786.156	132.669	0.120000
3796.103	132.663	0.120000
3806.103	132.723	0.120000
3816.103	132.797	0.120000
3826.096	132.760	0.120000
3836.096	132.784	0.120000
3846.096	132.752	0.120000
3856.096	132.764	0.120000
3866.096	132.822	0.120000
3876.096	132.926	0.120000
3886.083	133.096	0.120000
3896.083	133.096	0.120000
3906.008	133.246	0.120000
3916.008	133.411	0.120000
3926.008	133.568	0.120000
3935.912	133.661	0.120000
3945.881	133.837	0.120000
3955.881	133.825	0.120000
3965.809	133.890	0.120000
3975.809	133.913	0.120000
3985.782	134.027	0.120000
3995.782	134.273	0.120000
4005.782	134.188	0.120000
4015.772	134.053	0.120000
4025.772	133.978	0.120000
4035.739	133.955	0.120000
4045.737	133.962	0.120000
4055.737	133.998	0.120000

Existing Polk City Model (Basins 5-8)  
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4065.732	134.023	0.120000
4075.732	134.066	0.120000
4085.641	134.102	0.120000
4095.087	134.110	0.120000
4105.087	134.128	0.120000
4115.083	134.163	0.120000
4125.083	134.222	0.120000
4134.475	134.269	0.120000
4144.475	134.285	0.120000
4154.475	134.334	0.120000
4164.475	134.385	0.120000
4174.475	134.432	0.120000
4184.470	134.452	0.120000
4194.470	134.478	0.120000
4204.470	134.486	0.120000
4212.707	134.498	0.120000
4222.707	134.522	0.120000
4232.415	134.522	0.120000
4242.235	134.539	0.120000
4252.235	134.552	0.120000
4262.069	134.538	0.120000
4272.069	134.498	0.120000
4282.069	134.480	0.120000
4292.069	134.439	0.120000
4302.069	134.393	0.120000
4312.069	134.352	0.120000
4322.069	134.326	0.120000
4332.069	134.285	0.120000
4341.767	134.232	0.120000
4351.767	134.183	0.120000
4361.765	134.142	0.120000
4371.765	134.136	0.120000
4381.765	134.137	0.120000
4391.765	134.126	0.120000
4401.765	134.130	0.120000
4411.738	134.130	0.120000
4421.738	134.130	0.120000
4431.738	134.121	0.120000
4441.714	134.107	0.120000
4451.714	134.086	0.120000
4461.651	134.073	0.120000
4469.960	134.047	0.120000
4479.960	134.021	0.120000
4489.862	133.991	0.120000
4499.862	133.989	0.120000
4509.862	133.971	0.120000
4519.862	133.938	0.120000
4529.862	133.890	0.120000
4539.862	133.836	0.120000
4549.784	133.803	0.120000
4559.784	133.735	0.120000
4569.784	133.681	0.120000
4579.582	133.651	0.120000
4589.582	133.623	0.120000
4599.582	133.555	0.120000
4609.582	133.516	0.120000
4619.547	133.444	0.120000
4629.547	133.406	0.120000
4639.547	133.316	0.120000
4649.547	133.268	0.120000
4659.532	133.245	0.120000
4669.532	133.208	0.120000
4679.450	133.152	0.120000
4689.450	133.116	0.120000
4699.450	133.083	0.120000
4709.427	133.045	0.120000
4719.427	133.219	0.120000
4729.427	133.365	0.120000
4739.116	133.369	0.120000
4749.116	133.478	0.120000
4758.999	133.497	0.120000
4768.999	133.662	0.120000
4778.999	133.847	0.120000

Existing Polk City Model (Basins 5-8)  
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4788.999	133.872	0.120000
4798.999	134.088	0.120000
4808.896	134.119	0.120000
4818.896	134.133	0.120000
4828.896	134.189	0.120000
4838.896	134.192	0.120000
4848.796	134.267	0.120000
4858.796	134.365	0.120000
4868.796	134.526	0.120000
4878.678	134.634	0.120000
4888.678	134.657	0.120000
4898.678	134.800	0.120000
4908.676	134.925	0.120000
4918.676	135.171	0.120000
4928.537	134.980	0.120000
4938.537	135.147	0.120000
4948.495	135.031	0.120000
4958.495	135.254	0.120000
4968.464	135.167	0.120000
4978.464	134.843	0.120000
4988.462	134.848	0.120000
4998.457	134.862	0.120000
5008.457	134.664	0.120000
5018.455	134.745	0.120000
5028.455	134.795	0.120000
5038.454	134.682	0.120000
5048.454	134.690	0.120000
5058.454	134.706	0.120000
5068.452	134.641	0.120000
5078.452	134.683	0.120000
5088.452	134.531	0.120000
5098.451	134.581	0.120000
5108.437	134.434	0.120000
5118.437	134.437	0.120000
5128.437	134.504	0.120000
5138.405	134.416	0.120000
5148.405	134.436	0.120000
5158.405	134.870	0.120000
5168.405	134.444	0.120000
5178.402	134.808	0.120000
5188.402	134.631	0.120000
5198.402	134.689	0.120000
5208.387	134.772	0.120000
5218.387	134.803	0.120000
5228.374	134.866	0.120000
5238.374	134.862	0.120000
5248.374	134.932	0.120000
5258.374	134.972	0.120000
5268.328	135.066	0.120000
5278.328	135.197	0.120000
5288.328	135.347	0.120000
5298.278	135.492	0.120000
5308.278	135.485	0.120000
5318.278	135.279	0.120000
5328.278	135.535	0.120000
5338.270	135.392	0.120000
5348.270	135.586	0.120000
5358.270	135.324	0.120000
5368.270	135.455	0.120000
5378.241	135.476	0.120000
5388.241	135.486	0.120000
5398.241	135.495	0.120000
5408.241	135.520	0.120000
5418.241	135.613	0.120000
5428.239	135.128	0.120000
5438.239	135.192	0.120000
5448.239	135.162	0.120000
5458.233	135.199	0.120000
5468.233	135.217	0.120000
5477.820	135.287	0.120000
5487.820	135.120	0.120000
5497.820	134.863	0.120000
5507.780	134.834	0.120000

Existing Polk City Model (Basins 5-8)  
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5517.780	134.808	0.120000
5527.780	134.503	0.120000
5537.754	134.615	0.120000
5547.754	134.834	0.120000
5557.638	134.625	0.120000
5567.638	134.373	0.120000
5577.637	134.229	0.120000
5587.637	134.390	0.120000
5597.526	134.095	0.120000
5607.526	134.019	0.120000
5617.519	133.793	0.120000
5627.519	133.754	0.120000
5637.519	133.678	0.120000
5647.516	133.686	0.120000
5657.516	133.676	0.120000
5667.516	133.819	0.120000
5677.516	133.766	0.120000
5687.512	133.847	0.120000
5697.512	133.981	0.120000
5707.511	134.010	0.120000
5717.511	133.994	0.120000
5727.511	133.886	0.120000
5737.508	134.301	0.120000
5747.508	134.300	0.120000
5757.508	134.332	0.120000
5767.508	134.468	0.120000
5777.478	134.487	0.120000
5787.478	134.534	0.120000
5797.320	134.597	0.120000
5807.320	134.797	0.120000
5817.319	135.337	0.120000
5827.319	135.264	0.120000
5837.307	135.091	0.120000
5847.307	135.651	0.120000
5857.307	135.440	0.120000
5867.264	135.518	0.120000
5877.264	135.613	0.120000
5887.135	135.274	0.120000
5897.135	135.107	0.120000
5907.101	135.005	0.120000
5917.101	134.819	0.120000
5927.036	134.861	0.120000
5937.036	135.421	0.120000
5947.000	135.434	0.120000
5957.000	135.505	0.120000
5966.546	135.335	0.120000
5976.546	135.035	0.120000
5986.508	135.113	0.120000
5996.508	135.710	0.120000
6006.447	135.313	0.120000
6016.447	135.065	0.120000
6026.444	135.337	0.120000
6036.444	134.980	0.120000
6046.280	135.147	0.120000
6056.280	134.823	0.120000
6066.046	134.866	0.120000
6076.041	134.832	0.120000
6086.041	134.886	0.120000
6096.041	135.446	0.120000
6105.891	135.023	0.120000
6115.891	135.099	0.120000
6125.749	134.708	0.120000
6135.749	134.553	0.120000
6145.546	134.656	0.120000
6155.546	134.613	0.120000
6165.421	134.705	0.120000
6175.421	134.663	0.120000
6185.414	134.735	0.120000
6195.414	134.778	0.120000
6205.414	134.762	0.120000
6215.414	134.743	0.120000
6225.414	134.613	0.120000
6235.414	134.459	0.120000

Existing Polk City Model (Basins 5-8)  
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6245.414	134.368	0.120000
6255.413	134.442	0.120000
6265.413	134.420	0.120000
6275.413	134.304	0.120000
6285.413	134.150	0.120000
6295.413	134.083	0.120000
6305.412	134.030	0.120000
6315.412	134.068	0.120000
6325.412	134.152	0.120000
6335.412	134.193	0.120000
6345.412	134.204	0.120000
6355.412	134.162	0.120000
6365.408	134.193	0.120000
6375.408	134.212	0.120000
6385.408	134.301	0.120000
6395.408	134.322	0.120000
6405.408	134.406	0.120000
6415.408	134.256	0.120000
6425.408	134.470	0.120000
6435.408	134.480	0.120000
6445.408	134.584	0.120000
6455.408	134.595	0.120000
6465.408	134.683	0.120000
6475.408	134.520	0.120000
6485.408	134.465	0.120000
6495.407	134.683	0.120000
6505.407	134.681	0.120000
6515.407	134.717	0.120000
6525.407	134.692	0.120000
6535.385	134.659	0.120000
6545.385	134.689	0.120000
6555.383	134.725	0.120000
6565.383	134.813	0.120000
6575.241	134.792	0.120000
6585.241	134.766	0.120000
6595.173	134.872	0.120000
6605.173	135.164	0.120000
6615.173	135.251	0.120000
6625.124	135.072	0.120000
6635.124	135.153	0.120000
6645.105	135.266	0.120000
6655.105	135.324	0.120000
6665.103	135.428	0.120000
6675.103	135.453	0.120000
6685.090	135.324	0.120000
6695.090	135.250	0.120000
6705.090	135.319	0.120000
6714.476	135.292	0.120000
6722.770	135.209	0.120000
6731.304	135.118	0.120000
6741.304	135.199	0.120000
6751.302	135.212	0.120000
6761.041	135.344	0.120000
6771.037	135.378	0.120000
6781.037	135.458	0.120000
6791.037	135.409	0.120000
6800.981	135.423	0.120000
6810.981	135.465	0.120000
6820.409	135.499	0.120000
6830.398	135.357	0.120000
6840.398	135.460	0.120000
6850.181	135.540	0.120000
6860.181	135.727	0.120000
6870.163	135.512	0.120000
6879.882	135.434	0.120000
6889.747	135.429	0.120000
6899.686	135.412	0.120000
6909.686	135.478	0.120000
6919.686	135.481	0.120000
6929.555	135.511	0.120000
6939.555	135.686	0.120000
6948.989	135.695	0.120000
8395.269	136.271	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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8405.269	136.169	0.120000
8415.269	136.149	0.120000
8425.269	136.257	0.120000
8435.269	136.148	0.120000
8445.269	136.187	0.120000
8455.269	136.171	0.120000
8465.269	136.200	0.120000
8475.269	135.802	0.120000
8485.268	135.855	0.120000
8495.268	135.810	0.120000
8505.268	135.808	0.120000
8515.268	135.798	0.120000
8525.245	135.732	0.120000
8535.245	135.650	0.120000
8545.193	135.818	0.120000
8555.193	135.810	0.120000
8565.193	135.661	0.120000
8575.182	135.762	0.120000
8585.182	135.691	0.120000
8595.053	135.672	0.120000
8605.053	135.356	0.120000
8614.943	135.677	0.120000
8624.692	135.528	0.120000
8634.692	135.618	0.120000
8644.597	135.564	0.120000
8654.595	135.572	0.120000
8664.595	135.456	0.120000
8674.049	135.372	0.120000
8684.046	135.345	0.120000
8694.046	135.449	0.120000
8704.046	135.531	0.120000
8714.015	135.507	0.120000
8723.799	135.406	0.120000
8733.799	135.424	0.120000
8743.538	135.202	0.120000
8753.538	134.828	0.120000
8763.538	134.698	0.120000
8773.538	134.430	0.120000
8783.490	134.321	0.120000
8793.490	134.190	0.120000
8803.486	134.125	0.120000
8813.486	134.159	0.120000
8823.483	134.035	0.120000
8833.483	133.805	0.120000
8843.480	133.803	0.120000
8853.480	133.885	0.120000
8863.480	133.834	0.120000
8873.480	133.796	0.120000
8883.434	133.707	0.120000
8893.434	133.725	0.120000
8903.321	133.580	0.120000
8913.321	133.595	0.120000
8923.321	133.394	0.120000
8933.321	133.221	0.120000
8943.318	133.163	0.120000
8953.318	133.164	0.120000
8963.318	133.132	0.120000
8973.317	133.058	0.120000
8983.317	133.062	0.120000
8993.317	133.109	0.120000
9003.295	133.040	0.120000
9013.295	133.030	0.120000
9023.060	133.030	0.120000
9033.060	133.022	0.120000
9042.958	133.028	0.120000
9052.958	133.043	0.120000
9062.741	133.080	0.120000
9072.740	133.286	0.120000
9082.691	133.592	0.120000
9092.691	133.895	0.120000
9102.221	134.375	0.120000
9111.945	134.771	0.120000
9121.945	134.860	0.120000

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9122.928	134.860	0.120000
9123.028	139.224	0.120000

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Name: RHH8190B                      Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.117	0.120000
0.000	138.606	0.120000
0.436	138.606	0.120000
10.134	138.583	0.120000
20.134	138.091	0.120000
30.133	137.113	0.120000
40.133	136.992	0.120000
50.132	136.959	0.120000
60.132	137.455	0.120000
70.132	138.172	0.120000
78.035	138.365	0.120000
88.032	138.397	0.120000
98.032	138.537	0.120000
108.032	138.669	0.120000
117.942	138.615	0.120000
127.942	138.614	0.120000
137.942	138.627	0.120000
147.774	138.669	0.120000
157.766	138.708	0.120000
167.766	138.754	0.120000
177.597	138.500	0.120000
187.597	138.535	0.120000
197.574	138.621	0.120000
207.574	138.796	0.120000
217.574	138.579	0.120000
227.574	138.588	0.120000
237.574	138.591	0.120000
247.574	138.496	0.120000
257.574	138.617	0.120000
267.574	138.587	0.120000
277.574	138.614	0.120000
287.574	138.629	0.120000
297.574	138.588	0.120000
307.574	138.429	0.120000
317.574	138.581	0.120000
327.574	138.584	0.120000
337.574	138.602	0.120000
347.574	138.533	0.120000
357.574	138.473	0.120000
367.574	138.503	0.120000
377.574	138.584	0.120000
387.574	138.611	0.120000
397.574	138.597	0.120000
407.571	138.627	0.120000
417.571	138.685	0.120000
427.571	138.623	0.120000
437.571	138.691	0.120000
447.571	138.657	0.120000
457.571	138.659	0.120000
467.571	138.581	0.120000
477.571	138.636	0.120000
487.571	138.703	0.120000
497.571	138.674	0.120000
507.571	138.581	0.120000
517.571	138.687	0.120000
527.571	138.647	0.120000
537.571	138.641	0.120000
547.571	138.662	0.120000
557.570	138.616	0.120000
567.570	138.636	0.120000
577.570	138.600	0.120000
587.570	138.795	0.120000

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Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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597.570	138.675	0.120000
607.570	138.760	0.120000
617.570	138.655	0.120000
627.570	138.628	0.120000
637.570	138.626	0.120000
647.570	138.680	0.120000
657.570	138.733	0.120000
667.570	138.855	0.120000
677.570	138.685	0.120000
687.570	138.694	0.120000
697.570	138.650	0.120000
707.570	138.680	0.120000
717.569	138.676	0.120000
727.569	138.708	0.120000
737.569	138.702	0.120000
747.569	138.650	0.120000
757.569	138.638	0.120000
767.569	138.757	0.120000
777.569	138.662	0.120000
787.569	138.699	0.120000
797.569	138.669	0.120000
807.569	138.755	0.120000
817.569	138.758	0.120000
827.569	138.739	0.120000
837.569	138.629	0.120000
847.569	138.676	0.120000
857.569	138.684	0.120000
867.569	138.737	0.120000
877.569	138.820	0.120000
887.569	138.609	0.120000
897.569	138.697	0.120000
907.569	138.658	0.120000
917.569	138.715	0.120000
927.569	138.611	0.120000
937.569	138.693	0.120000
947.569	138.696	0.120000
957.569	138.637	0.120000
967.569	138.603	0.120000
977.569	138.668	0.120000
987.569	138.580	0.120000
997.569	138.721	0.120000
1007.569	138.605	0.120000
1017.569	138.616	0.120000
1027.569	138.551	0.120000
1037.569	138.544	0.120000
1047.569	138.714	0.120000
1057.569	138.639	0.120000
1067.569	138.639	0.120000
1077.569	138.544	0.120000
1087.569	138.623	0.120000
1097.569	138.667	0.120000
1107.569	138.608	0.120000
1117.569	138.620	0.120000
1127.569	138.652	0.120000
1137.569	138.688	0.120000
1147.569	138.666	0.120000
1157.569	138.621	0.120000
1167.569	138.596	0.120000
1177.569	138.576	0.120000
1187.569	138.661	0.120000
1197.569	138.853	0.120000
1207.569	138.810	0.120000
1217.569	138.664	0.120000
1227.569	138.745	0.120000
1237.569	138.658	0.120000
1247.569	138.665	0.120000
1257.569	138.687	0.120000
1267.569	138.749	0.120000
1277.569	138.675	0.120000
1287.569	138.726	0.120000
1297.568	138.718	0.120000
1307.568	138.593	0.120000
1317.568	138.571	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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1327.568	138.620	0.120000
1337.568	138.621	0.120000
1347.568	138.635	0.120000
1357.568	138.647	0.120000
1367.568	138.817	0.120000
1377.568	138.621	0.120000
1387.568	138.524	0.120000
1397.568	138.545	0.120000
1407.568	138.560	0.120000
1417.568	138.626	0.120000
1427.568	138.658	0.120000
1437.568	138.758	0.120000
1447.568	138.664	0.120000
1457.568	138.728	0.120000
1467.568	138.707	0.120000
1477.568	138.801	0.120000
1487.568	138.591	0.120000
1497.568	138.710	0.120000
1507.568	138.688	0.120000
1517.568	138.729	0.120000
1527.568	138.698	0.120000
1537.568	138.763	0.120000
1547.568	138.682	0.120000
1557.568	138.671	0.120000
1567.568	138.698	0.120000
1577.568	138.789	0.120000
1587.568	138.590	0.120000
1597.568	138.644	0.120000
1607.568	138.593	0.120000
1617.568	138.556	0.120000
1627.568	138.641	0.120000
1637.568	138.497	0.120000
1647.568	138.690	0.120000
1657.568	138.546	0.120000
1667.568	138.553	0.120000
1677.568	138.523	0.120000
1687.568	138.467	0.120000
1697.568	138.467	0.120000
1707.568	138.548	0.120000
1717.568	138.432	0.120000
1727.568	138.533	0.120000
1737.568	138.471	0.120000
1747.567	138.508	0.120000
1757.567	138.251	0.120000
1767.567	138.383	0.120000
1777.567	138.444	0.120000
1787.567	138.488	0.120000
1797.567	138.446	0.120000
1807.567	138.355	0.120000
1817.567	138.552	0.120000
1827.567	138.424	0.120000
1837.567	138.348	0.120000
1847.567	138.366	0.120000
1857.567	138.311	0.120000
1867.567	138.254	0.120000
1877.567	138.242	0.120000
1887.567	138.230	0.120000
1897.567	138.226	0.120000
1907.567	138.164	0.120000
1917.567	138.187	0.120000
1927.567	138.264	0.120000
1937.567	138.081	0.120000
1947.567	138.139	0.120000
1957.567	138.116	0.120000
1967.567	138.100	0.120000
1977.567	138.129	0.120000
1987.567	137.972	0.120000
1997.567	138.046	0.120000
2007.567	138.146	0.120000
2017.567	137.999	0.120000
2027.567	138.126	0.120000
2037.567	137.765	0.120000
2047.567	137.818	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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2057.567	137.736	0.120000
2067.567	137.746	0.120000
2077.567	137.812	0.120000
2087.567	137.795	0.120000
2097.567	137.635	0.120000
2107.567	137.707	0.120000
2117.567	137.834	0.120000
2127.567	137.731	0.120000
2137.567	137.747	0.120000
2147.567	137.706	0.120000
2157.567	137.695	0.120000
2167.567	137.672	0.120000
2177.567	137.724	0.120000
2187.567	137.773	0.120000
2197.567	137.599	0.120000
2207.567	137.874	0.120000
2217.567	137.656	0.120000
2227.567	137.598	0.120000
2237.567	137.620	0.120000
2247.567	137.669	0.120000
2257.567	137.592	0.120000
2267.567	137.632	0.120000
2277.567	137.598	0.120000
2287.567	137.650	0.120000
2297.567	137.586	0.120000
2307.567	137.838	0.120000
2317.567	137.559	0.120000
2327.567	137.677	0.120000
2337.567	137.585	0.120000
2347.567	137.635	0.120000
2357.567	137.557	0.120000
2367.566	137.600	0.120000
2377.566	137.468	0.120000
2387.566	137.494	0.120000
2397.566	137.390	0.120000
2407.566	137.460	0.120000
2417.566	137.444	0.120000
2427.566	137.416	0.120000
2437.566	137.426	0.120000
2447.566	137.442	0.120000
2457.566	137.329	0.120000
2467.566	137.355	0.120000
2477.566	137.254	0.120000
2487.566	137.309	0.120000
2497.566	137.219	0.120000
2507.566	137.174	0.120000
2517.566	137.397	0.120000
2527.566	137.123	0.120000
2537.566	137.108	0.120000
2547.566	137.212	0.120000
2557.566	137.136	0.120000
2567.566	137.166	0.120000
2577.566	137.116	0.120000
2587.566	137.161	0.120000
2597.566	137.090	0.120000
2607.566	137.100	0.120000
2617.566	137.152	0.120000
2627.566	137.021	0.120000
2637.566	136.921	0.120000
2647.566	136.879	0.120000
2657.566	136.842	0.120000
2667.566	136.871	0.120000
2677.566	136.795	0.120000
2687.566	136.795	0.120000
2697.566	136.773	0.120000
2707.566	136.707	0.120000
2717.566	136.864	0.120000
2727.566	136.768	0.120000
2737.566	136.622	0.120000
2747.566	136.714	0.120000
2757.566	136.738	0.120000
2767.566	136.669	0.120000
2777.566	136.862	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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2787.566	136.618	0.120000
2797.566	136.624	0.120000
2807.566	136.636	0.120000
2817.566	136.583	0.120000
2827.565	136.813	0.120000
2837.565	136.491	0.120000
2847.565	136.555	0.120000
2857.565	136.512	0.120000
2867.565	136.488	0.120000
2877.565	136.399	0.120000
2887.565	136.386	0.120000
2897.565	136.423	0.120000
2907.565	136.374	0.120000
2917.565	136.305	0.120000
2927.565	136.490	0.120000
2937.564	136.322	0.120000
2947.564	136.304	0.120000
2957.564	136.376	0.120000
2967.564	136.191	0.120000
2977.564	136.133	0.120000
2987.564	136.135	0.120000
2997.562	136.176	0.120000
3007.562	136.157	0.120000
3017.562	136.163	0.120000
3027.562	136.149	0.120000
3037.562	136.135	0.120000
3047.562	136.139	0.120000
3057.562	136.167	0.120000
3067.562	136.236	0.120000
3077.562	136.136	0.120000
3087.562	136.274	0.120000
3097.562	136.302	0.120000
3107.562	136.360	0.120000
3117.562	136.320	0.120000
3127.562	136.255	0.120000
3137.562	136.177	0.120000
3147.562	136.238	0.120000
3157.562	136.164	0.120000
3167.556	136.169	0.120000
3177.556	136.168	0.120000
3187.556	136.172	0.120000
3197.556	136.226	0.120000
3207.556	136.313	0.120000
3217.556	136.238	0.120000
3227.556	136.207	0.120000
3237.556	136.205	0.120000
3247.556	136.188	0.120000
3257.556	136.358	0.120000
3267.555	136.308	0.120000
3277.555	136.450	0.120000
3287.555	136.389	0.120000
3297.555	136.350	0.120000
3307.555	136.353	0.120000
3317.555	136.461	0.120000
3327.555	136.485	0.120000
3337.555	136.486	0.120000
3347.555	136.443	0.120000
3357.555	136.402	0.120000
3367.555	136.431	0.120000
3377.555	136.468	0.120000
3387.555	136.476	0.120000
3397.555	136.380	0.120000
3407.555	136.407	0.120000
3417.555	136.400	0.120000
3427.555	136.434	0.120000
3437.555	136.473	0.120000
3447.555	136.440	0.120000
3457.555	136.466	0.120000
3467.555	136.441	0.120000
3477.555	136.464	0.120000
3487.555	136.504	0.120000
3497.555	136.561	0.120000
3507.555	136.322	0.120000

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3517.555	136.364	0.120000
3527.555	136.437	0.120000
3537.555	136.344	0.120000
3547.555	136.422	0.120000
3557.555	136.416	0.120000
3567.555	136.399	0.120000
3577.555	136.324	0.120000
3587.555	136.544	0.120000
3597.555	136.379	0.120000
3607.555	136.389	0.120000
3617.554	136.518	0.120000
3627.554	136.498	0.120000
3637.554	136.530	0.120000
3647.554	136.496	0.120000
3657.554	136.415	0.120000
3667.554	136.510	0.120000
3677.554	136.494	0.120000
3687.554	136.439	0.120000
3697.554	136.464	0.120000
3707.554	136.441	0.120000
3717.554	136.558	0.120000
3727.554	136.406	0.120000
3737.554	136.444	0.120000
3747.554	136.459	0.120000
3757.554	136.465	0.120000
3767.554	136.519	0.120000
3777.554	136.682	0.120000
3787.554	136.510	0.120000
3797.554	136.501	0.120000
3807.554	136.536	0.120000
3817.554	136.462	0.120000
3827.554	136.431	0.120000
3837.554	136.379	0.120000
3847.554	136.360	0.120000
3857.554	136.380	0.120000
3867.554	136.432	0.120000
3877.554	136.477	0.120000
3887.554	136.376	0.120000
3897.554	136.444	0.120000
3907.554	136.365	0.120000
3917.554	136.372	0.120000
3927.554	136.438	0.120000
3937.554	136.320	0.120000
3947.554	136.346	0.120000
3957.554	136.422	0.120000
3967.551	136.460	0.120000
3977.551	136.389	0.120000
3987.551	136.410	0.120000
3997.543	136.331	0.120000
4007.543	136.299	0.120000
4017.543	136.249	0.120000
4027.543	136.301	0.120000
4037.543	136.366	0.120000
4047.543	136.371	0.120000
4057.543	136.286	0.120000
4067.539	136.330	0.120000
4077.539	136.340	0.120000
4087.539	136.242	0.120000
4097.539	136.117	0.120000
4107.539	136.289	0.120000
4117.528	136.266	0.120000
4127.528	136.200	0.120000
4137.528	136.293	0.120000
4147.527	136.423	0.120000
4157.527	136.335	0.120000
4167.527	136.334	0.120000
4177.527	136.351	0.120000
4187.525	136.311	0.120000
4197.525	136.328	0.120000
4207.525	136.412	0.120000
4217.525	136.241	0.120000
4227.525	136.264	0.120000
4237.520	136.243	0.120000

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4247.520	136.444	0.120000
4257.520	136.399	0.120000
4267.520	136.275	0.120000
4277.520	136.337	0.120000
4287.520	136.212	0.120000
4297.520	136.293	0.120000
4307.520	136.282	0.120000
4317.516	136.394	0.120000
4327.516	136.283	0.120000
4327.616	141.117	0.120000

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Name: RO14131  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	139.097	0.120000
0.000	135.348	0.120000
4.387	135.327	0.120000
14.311	135.256	0.120000
24.311	134.974	0.120000
34.311	134.912	0.120000
44.311	135.021	0.120000
54.311	134.972	0.120000
64.311	134.938	0.120000
73.993	135.033	0.120000
83.993	134.457	0.120000
93.993	134.180	0.120000
103.993	134.097	0.120000
113.993	134.153	0.120000
123.993	134.176	0.120000
133.993	134.376	0.120000
143.993	134.470	0.120000
153.993	134.505	0.120000
163.993	134.506	0.120000
173.867	134.578	0.120000
183.867	134.478	0.120000
193.867	134.377	0.120000
203.822	134.517	0.120000
213.822	134.536	0.120000
223.788	134.814	0.120000
233.788	134.915	0.120000
243.788	135.036	0.120000
253.788	135.462	0.120000
263.616	135.838	0.120000
273.616	136.227	0.120000
283.616	136.373	0.120000
293.616	136.265	0.120000
303.264	136.170	0.120000
313.233	136.272	0.120000
323.233	136.502	0.120000
333.233	136.647	0.120000
343.233	136.746	0.120000
353.233	136.338	0.120000
362.972	137.304	0.120000
372.972	137.474	0.120000
382.889	137.503	0.120000
392.889	137.618	0.120000
392.989	139.097	0.120000

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Name: RO14136A  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.504	0.120000
0.000	138.388	0.120000

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10.000	138.776	0.120000
19.997	138.497	0.120000
29.997	137.716	0.120000
39.997	137.379	0.120000
49.997	137.360	0.120000
59.997	137.427	0.120000
69.997	137.622	0.120000
79.997	137.853	0.120000
89.771	137.670	0.120000
99.771	137.592	0.120000
109.771	137.416	0.120000
119.771	137.349	0.120000
129.771	137.377	0.120000
139.771	137.459	0.120000
149.771	137.554	0.120000
159.771	137.679	0.120000
169.771	137.661	0.120000
179.771	137.592	0.120000
189.771	137.473	0.120000
199.771	137.327	0.120000
209.631	137.203	0.120000
219.631	137.033	0.120000
229.631	136.911	0.120000
239.631	136.644	0.120000
249.631	136.515	0.120000
259.631	136.531	0.120000
269.631	136.587	0.120000
279.631	136.586	0.120000
289.631	136.537	0.120000
299.631	136.532	0.120000
309.630	136.536	0.120000
319.630	136.504	0.120000
329.630	136.527	0.120000
339.630	136.571	0.120000
349.630	136.706	0.120000
359.630	136.829	0.120000
369.444	136.921	0.120000
379.444	137.126	0.120000
389.444	137.463	0.120000
399.444	137.643	0.120000
409.444	137.978	0.120000
419.444	138.171	0.120000
429.444	138.463	0.120000
439.444	138.801	0.120000
449.394	138.844	0.120000
459.394	138.818	0.120000
469.394	138.695	0.120000
479.394	138.633	0.120000
489.289	138.571	0.120000
499.289	138.499	0.120000
509.289	138.270	0.120000
519.289	137.955	0.120000
529.289	137.409	0.120000
539.289	137.731	0.120000
549.289	138.248	0.120000
559.289	138.829	0.120000
569.289	139.154	0.120000
579.289	139.342	0.120000
589.289	139.643	0.120000
591.234	139.480	0.120000
591.334	141.504	0.120000

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 Name: RO14136C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.393	0.120000
0.000	138.393	0.120000
9.287	138.432	0.120000

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19.256	138.469	0.120000
29.256	138.522	0.120000
39.256	138.614	0.120000
49.256	138.570	0.120000
52.704	138.538	0.120000
52.804	143.393	0.120000

Name: RO14136D  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.332	0.120000
0.000	138.538	0.120000
9.993	138.610	0.120000
19.711	138.511	0.120000
29.711	138.430	0.120000
39.711	138.406	0.120000
49.189	138.427	0.120000
59.189	138.470	0.120000
68.816	138.480	0.120000
78.816	138.502	0.120000
88.816	138.560	0.120000
98.467	138.629	0.120000
108.467	138.652	0.120000
118.467	138.678	0.120000
128.315	138.764	0.120000
138.315	138.769	0.120000
148.260	138.735	0.120000
158.260	138.698	0.120000
168.260	138.605	0.120000
178.260	138.515	0.120000
188.260	138.415	0.120000
198.260	138.278	0.120000
208.260	138.060	0.120000
218.260	137.802	0.120000
228.260	137.585	0.120000
238.260	137.416	0.120000
248.182	137.251	0.120000
256.341	137.034	0.120000
266.341	136.844	0.120000
276.091	136.592	0.120000
286.091	136.456	0.120000
296.091	136.469	0.120000
306.091	136.516	0.120000
316.091	136.551	0.120000
325.887	136.539	0.120000
335.887	136.482	0.120000
345.887	136.414	0.120000
355.887	136.332	0.120000
365.887	136.578	0.120000
375.887	136.894	0.120000
385.887	136.917	0.120000
395.885	136.853	0.120000
405.885	136.802	0.120000
415.885	136.712	0.120000
425.885	136.680	0.120000
435.885	136.661	0.120000
445.885	136.631	0.120000
455.885	136.560	0.120000
465.885	136.400	0.120000
475.885	136.365	0.120000
485.885	136.408	0.120000
495.885	136.495	0.120000
505.885	136.720	0.120000
515.885	137.196	0.120000
525.885	137.401	0.120000
535.885	137.434	0.120000
545.885	137.591	0.120000
555.885	137.698	0.120000

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Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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565.885	137.626	0.120000
575.885	137.520	0.120000
585.885	137.499	0.120000
595.885	137.417	0.120000
605.885	137.379	0.120000
615.885	137.253	0.120000
625.847	137.162	0.120000
635.847	137.133	0.120000
645.847	137.205	0.120000
655.847	137.272	0.120000
665.847	137.135	0.120000
675.847	137.267	0.120000
685.847	137.961	0.120000
695.235	138.388	0.120000
695.335	141.332	0.120000

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 Name: RO14211  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	157.497	0.120000
0.000	157.552	0.120000
6.930	157.497	0.120000
16.930	157.421	0.120000
26.930	157.339	0.120000
36.930	157.200	0.120000
46.929	157.088	0.120000
56.929	156.987	0.120000
66.929	156.885	0.120000
76.917	156.807	0.120000
86.917	156.708	0.120000
96.917	156.584	0.120000
106.917	156.394	0.120000
116.917	156.207	0.120000
126.917	156.009	0.120000
136.917	155.795	0.120000
146.910	155.560	0.120000
156.910	155.357	0.120000
166.856	155.104	0.120000
176.856	154.836	0.120000
186.856	154.675	0.120000
196.806	154.385	0.120000
206.806	154.083	0.120000
216.806	153.784	0.120000
226.806	153.645	0.120000
236.806	153.317	0.120000
246.806	152.962	0.120000
256.800	152.620	0.120000
266.800	152.205	0.120000
276.800	151.864	0.120000
286.800	151.450	0.120000
296.800	151.123	0.120000
306.800	150.702	0.120000
316.800	150.357	0.120000
326.800	149.924	0.120000
336.800	149.534	0.120000
346.800	149.283	0.120000
356.800	148.898	0.120000
366.800	148.509	0.120000
376.800	148.154	0.120000
386.800	147.748	0.120000
396.800	147.344	0.120000
406.800	146.926	0.120000
416.800	146.590	0.120000
426.793	146.179	0.120000
436.793	145.837	0.120000
446.793	145.504	0.120000
456.793	145.139	0.120000
466.793	144.882	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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476.793	144.647	0.120000
486.793	144.231	0.120000
496.793	143.914	0.120000
506.530	143.588	0.120000
516.530	143.300	0.120000
526.122	143.044	0.120000
536.122	142.790	0.120000
546.122	142.552	0.120000
556.122	142.335	0.120000
566.122	142.137	0.120000
576.122	141.957	0.120000
586.122	141.795	0.120000
596.122	141.679	0.120000
606.122	141.596	0.120000
616.113	141.492	0.120000
626.113	141.583	0.120000
635.817	141.609	0.120000
645.817	141.586	0.120000
655.735	141.431	0.120000
665.735	141.038	0.120000
675.735	140.886	0.120000
685.735	140.743	0.120000
695.729	140.565	0.120000
705.729	140.375	0.120000
715.729	140.223	0.120000
725.729	140.125	0.120000
735.609	139.889	0.120000
745.609	139.634	0.120000
755.609	139.377	0.120000
765.609	139.206	0.120000
775.609	138.943	0.120000
785.609	138.647	0.120000
795.595	138.357	0.120000
805.595	138.138	0.120000
815.595	138.054	0.120000
825.561	137.839	0.120000
835.561	137.708	0.120000
845.472	137.503	0.120000
855.472	137.311	0.120000
865.472	137.179	0.120000
875.472	137.003	0.120000
885.472	136.811	0.120000
895.431	136.681	0.120000
905.431	136.490	0.120000
915.431	136.309	0.120000
925.425	136.150	0.120000
935.425	135.974	0.120000
945.425	135.860	0.120000
955.403	135.624	0.120000
965.403	135.508	0.120000
975.261	135.342	0.120000
985.261	135.216	0.120000
995.261	135.070	0.120000
1005.261	134.899	0.120000
1015.261	134.704	0.120000
1025.260	134.486	0.120000
1035.260	134.296	0.120000
1045.260	134.152	0.120000
1055.260	134.112	0.120000
1065.042	134.134	0.120000
1075.042	134.123	0.120000
1085.021	134.052	0.120000
1095.021	133.978	0.120000
1105.021	133.956	0.120000
1115.021	133.999	0.120000
1125.014	133.892	0.120000
1135.014	133.865	0.120000
1144.662	133.877	0.120000
1154.662	133.890	0.120000
1164.662	133.862	0.120000
1174.565	133.997	0.120000
1184.565	134.171	0.120000
1194.565	134.353	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1204.565	134.264	0.120000
1214.565	134.129	0.120000
1224.565	134.166	0.120000
1234.565	133.854	0.120000
1244.565	133.771	0.120000
1254.309	133.593	0.120000
1264.309	133.379	0.120000
1274.309	133.307	0.120000
1284.309	133.273	0.120000
1294.156	133.309	0.120000
1304.156	133.428	0.120000
1314.156	133.522	0.120000
1324.156	133.590	0.120000
1334.156	133.630	0.120000
1344.126	133.517	0.120000
1354.126	133.397	0.120000
1363.731	133.229	0.120000
1373.731	133.131	0.120000
1383.731	133.206	0.120000
1393.731	133.297	0.120000
1403.731	133.441	0.120000
1413.731	133.649	0.120000
1423.290	133.804	0.120000
1433.290	133.844	0.120000
1443.290	133.891	0.120000
1453.290	133.917	0.120000
1463.083	133.928	0.120000
1473.083	133.932	0.120000
1482.560	133.939	0.120000
1492.560	133.934	0.120000
1502.560	133.947	0.120000
1511.660	133.938	0.120000
1521.660	133.885	0.120000
1531.610	133.851	0.120000
1541.610	133.919	0.120000
1551.585	133.954	0.120000
1559.743	134.006	0.120000
1569.743	134.030	0.120000
1579.743	134.030	0.120000
1589.743	134.036	0.120000
1599.743	134.048	0.120000
1609.724	134.087	0.120000
1619.724	134.131	0.120000
1629.724	134.208	0.120000
1639.470	134.273	0.120000
1649.470	134.290	0.120000
1659.352	134.287	0.120000
1669.352	134.212	0.120000
1679.352	134.245	0.120000
1689.352	134.299	0.120000
1699.352	134.425	0.120000
1709.352	134.588	0.120000
1719.352	134.683	0.120000
1728.895	134.725	0.120000
1738.895	134.757	0.120000
1748.895	134.740	0.120000
1758.892	134.740	0.120000
1768.892	134.759	0.120000
1778.728	134.810	0.120000
1788.728	134.888	0.120000
1798.397	134.955	0.120000
1808.397	135.074	0.120000
1818.397	135.229	0.120000
1828.210	135.312	0.120000
1838.210	135.365	0.120000
1847.958	135.381	0.120000
1857.958	135.555	0.120000
1867.958	135.776	0.120000
1877.958	135.353	0.120000
1887.958	135.450	0.120000
1897.958	135.577	0.120000
1907.958	135.781	0.120000
1917.941	135.964	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

1927.941	136.023	0.120000
1937.941	136.218	0.120000
1947.760	136.354	0.120000
1957.760	136.496	0.120000
1967.760	136.555	0.120000
1977.737	136.692	0.120000
1987.737	136.942	0.120000
1997.704	137.080	0.120000
2007.704	137.313	0.120000
2017.704	137.494	0.120000
2027.704	137.653	0.120000
2037.704	137.864	0.120000
2047.703	138.061	0.120000
2057.703	138.258	0.120000
2067.703	138.450	0.120000
2077.703	138.622	0.120000
2087.703	138.758	0.120000
2097.703	138.879	0.120000
2107.026	139.018	0.120000
2117.026	139.382	0.120000
2127.026	139.420	0.120000
2137.026	139.643	0.120000
2147.025	139.845	0.120000
2147.125	157.497	0.120000

Name: RO14212A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.622	0.120000
0.000	139.845	0.120000
6.114	139.727	0.120000
16.114	139.587	0.120000
25.639	139.520	0.120000
35.639	139.542	0.120000
45.602	139.376	0.120000
55.602	139.395	0.120000
65.602	139.263	0.120000
75.602	139.176	0.120000
85.454	138.973	0.120000
95.454	138.766	0.120000
105.447	138.456	0.120000
115.447	138.004	0.120000
125.447	138.102	0.120000
135.447	137.776	0.120000
145.447	137.736	0.120000
155.336	137.759	0.120000
165.336	137.767	0.120000
175.324	137.667	0.120000
185.324	137.426	0.120000
195.324	137.104	0.120000
205.324	136.885	0.120000
215.324	136.792	0.120000
225.324	136.828	0.120000
235.324	136.756	0.120000
245.324	136.650	0.120000
255.316	136.642	0.120000
265.316	136.337	0.120000
275.316	136.384	0.120000
285.316	136.337	0.120000
295.316	136.031	0.120000
305.316	135.988	0.120000
315.316	135.916	0.120000
325.307	135.915	0.120000
335.307	135.864	0.120000
345.307	135.759	0.120000
355.307	135.721	0.120000
365.304	135.794	0.120000
375.304	135.791	0.120000

Existing Polk City Model (Basins 5-8)  
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385.304	135.623	0.120000
395.290	135.622	0.120000
405.290	135.634	0.120000
415.290	135.971	0.120000
425.290	136.614	0.120000
435.290	136.729	0.120000
435.390	140.622	0.120000

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Name: R014220  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	162.089	0.120000
0.000	162.059	0.120000
10.000	162.074	0.120000
20.000	162.089	0.120000
29.738	162.075	0.120000
39.738	162.078	0.120000
49.738	162.048	0.120000
59.738	162.027	0.120000
69.738	162.005	0.120000
79.738	161.981	0.120000
88.575	161.956	0.120000
98.575	161.917	0.120000
108.575	161.873	0.120000
118.575	161.864	0.120000
128.575	161.840	0.120000
138.546	161.652	0.120000
148.546	161.578	0.120000
158.546	161.490	0.120000
168.546	161.544	0.120000
178.385	161.665	0.120000
188.385	161.486	0.120000
198.385	161.394	0.120000
207.623	161.385	0.120000
217.623	161.338	0.120000
227.623	161.254	0.120000
237.623	161.268	0.120000
247.623	161.212	0.120000
257.623	161.155	0.120000
267.623	161.098	0.120000
277.623	161.055	0.120000
287.593	161.031	0.120000
297.593	161.009	0.120000
307.593	160.972	0.120000
317.593	160.909	0.120000
327.593	160.829	0.120000
337.593	160.741	0.120000
347.133	160.636	0.120000
357.133	160.601	0.120000
367.133	160.537	0.120000
377.133	160.514	0.120000
387.133	160.457	0.120000
397.133	160.436	0.120000
406.965	160.379	0.120000
416.965	160.335	0.120000
426.965	160.263	0.120000
436.965	160.179	0.120000
446.965	160.031	0.120000
456.833	160.001	0.120000
466.833	159.826	0.120000
476.833	159.709	0.120000
486.570	159.628	0.120000
496.570	159.609	0.120000
504.940	159.598	0.120000
514.940	159.573	0.120000
524.940	159.525	0.120000
534.940	159.449	0.120000
544.940	159.368	0.120000

Existing Polk City Model (Basins 5-8)  
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Complete Input Report

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554.940	159.247	0.120000
564.940	159.112	0.120000
574.502	159.011	0.120000
584.502	158.908	0.120000
594.500	158.834	0.120000
604.500	158.783	0.120000
614.500	158.685	0.120000
624.500	158.596	0.120000
634.500	158.382	0.120000
644.500	158.281	0.120000
653.929	158.122	0.120000
663.929	158.023	0.120000
673.929	157.939	0.120000
683.929	157.876	0.120000
693.929	157.815	0.120000
703.929	157.741	0.120000
713.226	157.636	0.120000
723.226	157.512	0.120000
733.226	157.416	0.120000
743.226	157.290	0.120000
753.226	157.070	0.120000
763.226	156.855	0.120000
772.857	156.709	0.120000
782.857	156.573	0.120000
792.857	156.377	0.120000
802.857	156.253	0.120000
812.840	156.117	0.120000
822.840	155.985	0.120000
832.840	155.804	0.120000
842.840	155.664	0.120000
852.840	155.527	0.120000
862.513	155.340	0.120000
872.513	155.119	0.120000
882.513	154.969	0.120000
892.513	154.656	0.120000
902.513	154.513	0.120000
912.409	154.304	0.120000
922.409	154.163	0.120000
932.409	153.979	0.120000
942.196	153.791	0.120000
952.196	153.650	0.120000
962.196	153.410	0.120000
972.196	153.261	0.120000
982.114	153.001	0.120000
992.114	152.793	0.120000
1002.114	152.632	0.120000
1012.114	152.509	0.120000
1022.114	152.434	0.120000
1032.114	152.292	0.120000
1042.114	152.108	0.120000
1052.114	151.924	0.120000
1062.114	151.495	0.120000
1072.114	151.123	0.120000
1082.111	150.850	0.120000
1092.111	150.542	0.120000
1102.111	150.292	0.120000
1112.111	150.058	0.120000
1122.111	149.718	0.120000
1132.111	149.386	0.120000
1142.111	149.076	0.120000
1152.111	148.881	0.120000
1162.111	148.562	0.120000
1172.111	148.242	0.120000
1182.111	147.919	0.120000
1192.111	147.707	0.120000
1202.111	147.492	0.120000
1212.111	147.191	0.120000
1222.111	146.861	0.120000
1232.104	146.506	0.120000
1242.104	146.285	0.120000
1252.104	145.936	0.120000
1262.104	145.709	0.120000
1272.104	145.375	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1282.104	145.046	0.120000
1292.104	144.653	0.120000
1302.104	144.320	0.120000
1312.104	144.114	0.120000
1322.104	143.785	0.120000
1332.104	143.459	0.120000
1342.104	143.192	0.120000
1352.073	142.838	0.120000
1362.073	142.617	0.120000
1372.073	142.412	0.120000
1382.073	141.916	0.120000
1392.073	141.383	0.120000
1402.070	141.046	0.120000
1412.070	140.356	0.120000
1422.070	140.043	0.120000
1432.070	139.513	0.120000
1442.070	139.006	0.120000
1451.920	138.435	0.120000
1461.920	138.107	0.120000
1471.920	137.779	0.120000
1481.920	137.281	0.120000
1491.920	136.825	0.120000
1501.920	136.388	0.120000
1511.920	136.089	0.120000
1521.892	135.796	0.120000
1531.892	135.423	0.120000
1541.892	135.315	0.120000
1551.892	135.165	0.120000
1561.886	135.071	0.120000
1571.886	135.021	0.120000
1581.886	134.942	0.120000
1591.886	135.075	0.120000
1601.886	134.419	0.120000
1611.886	133.461	0.120000
1620.750	133.117	0.120000
1630.750	132.833	0.120000
1640.750	132.940	0.120000
1650.750	132.970	0.120000
1660.750	132.921	0.120000
1670.620	132.935	0.120000
1680.620	132.920	0.120000
1690.620	132.959	0.120000
1700.620	133.019	0.120000
1710.620	133.059	0.120000
1717.559	133.050	0.120000
1727.559	133.019	0.120000
1737.559	132.899	0.120000
1747.559	132.881	0.120000
1757.559	132.866	0.120000
1767.559	132.860	0.120000
1777.559	132.860	0.120000
1787.445	132.860	0.120000
1797.445	132.860	0.120000
1807.445	132.860	0.120000
1817.445	132.861	0.120000
1827.445	132.850	0.120000
1837.445	132.853	0.120000
1847.444	132.908	0.120000
1857.444	132.918	0.120000
1867.444	132.889	0.120000
1877.444	132.871	0.120000
1887.212	132.802	0.120000
1897.212	132.742	0.120000
1907.212	132.760	0.120000
1916.517	132.746	0.120000
1926.517	132.728	0.120000
1936.517	132.725	0.120000
1946.340	132.720	0.120000
1956.340	132.699	0.120000
1966.340	132.669	0.120000
1976.340	132.650	0.120000
1983.928	132.689	0.120000
1993.928	132.736	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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2003.928	132.851	0.120000
2013.126	133.412	0.120000
2023.126	134.136	0.120000
2033.126	134.632	0.120000
2043.126	135.226	0.120000
2052.585	135.362	0.120000
2062.585	135.683	0.120000
2072.585	135.734	0.120000
2082.585	135.728	0.120000
2092.403	135.855	0.120000
2102.403	135.662	0.120000
2112.403	135.616	0.120000
2122.403	135.589	0.120000
2132.403	135.846	0.120000
2142.403	136.201	0.120000
2152.392	136.473	0.120000
2162.392	136.697	0.120000
2172.392	136.865	0.120000
2182.392	137.114	0.120000
2192.392	137.320	0.120000
2202.392	137.566	0.120000
2212.392	137.809	0.120000
2222.262	138.071	0.120000
2232.262	138.212	0.120000
2242.262	138.285	0.120000
2252.262	138.497	0.120000
2262.262	138.722	0.120000
2272.262	138.872	0.120000
2282.225	139.050	0.120000
2282.325	162.089	0.120000

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 Name: RO14220A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	162.550	0.120000
0.000	157.879	0.120000
2.252	157.879	0.120000
12.252	157.808	0.120000
22.252	157.706	0.120000
32.252	157.575	0.120000
42.252	157.425	0.120000
52.252	157.273	0.120000
62.252	157.145	0.120000
72.252	157.001	0.120000
82.252	156.803	0.120000
92.252	156.699	0.120000
102.252	156.460	0.120000
112.252	156.170	0.120000
122.252	155.852	0.120000
132.252	155.556	0.120000
142.210	155.258	0.120000
152.210	154.949	0.120000
162.210	154.597	0.120000
172.210	154.233	0.120000
182.210	153.876	0.120000
192.210	153.517	0.120000
202.210	153.147	0.120000
212.150	152.762	0.120000
222.150	152.402	0.120000
232.150	152.026	0.120000
242.150	151.659	0.120000
252.150	151.273	0.120000
262.150	150.978	0.120000
272.150	150.592	0.120000
282.150	150.260	0.120000
292.150	149.879	0.120000
302.150	149.523	0.120000
312.067	149.174	0.120000



Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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322.067	148.869	0.120000
332.067	148.425	0.120000
342.067	147.936	0.120000
352.067	147.583	0.120000
362.067	147.002	0.120000
372.067	146.710	0.120000
382.067	146.119	0.120000
392.067	145.650	0.120000
402.062	145.011	0.120000
412.062	144.736	0.120000
422.062	144.096	0.120000
432.062	143.458	0.120000
442.062	143.055	0.120000
452.062	142.660	0.120000
462.062	142.471	0.120000
472.028	142.155	0.120000
482.028	141.898	0.120000
492.028	141.843	0.120000
502.028	141.691	0.120000
512.028	141.695	0.120000
522.028	141.622	0.120000
532.028	141.531	0.120000
542.023	141.467	0.120000
552.023	141.346	0.120000
562.023	141.274	0.120000
572.023	141.551	0.120000
582.023	141.298	0.120000
592.023	141.316	0.120000
602.023	141.325	0.120000
612.009	141.338	0.120000
622.009	141.340	0.120000
632.009	141.289	0.120000
642.009	141.216	0.120000
652.009	141.089	0.120000
662.009	140.980	0.120000
672.009	140.933	0.120000
682.009	140.876	0.120000
691.977	140.770	0.120000
701.977	140.627	0.120000
711.977	140.523	0.120000
721.977	140.507	0.120000
731.977	140.351	0.120000
741.977	140.276	0.120000
751.977	140.211	0.120000
761.977	140.098	0.120000
771.937	140.041	0.120000
781.937	140.000	0.120000
791.937	140.044	0.120000
801.937	140.155	0.120000
811.937	140.270	0.120000
821.937	140.323	0.120000
831.937	140.574	0.120000
841.937	140.725	0.120000
851.937	140.765	0.120000
861.937	140.797	0.120000
871.937	140.821	0.120000
881.937	140.942	0.120000
891.937	141.100	0.120000
901.937	141.182	0.120000
911.937	141.374	0.120000
921.937	141.466	0.120000
931.937	141.592	0.120000
941.917	141.863	0.120000
951.917	142.049	0.120000
961.917	142.388	0.120000
971.917	142.592	0.120000
981.917	143.020	0.120000
991.917	143.595	0.120000
1001.920	143.933	0.120000
1011.920	144.486	0.120000
1021.920	144.825	0.120000
1031.920	145.421	0.120000
1041.920	146.016	0.120000

Existing Polk City Model (Basins 5-8)  
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1051.920	146.422	0.120000
1061.920	146.979	0.120000
1071.920	147.531	0.120000
1081.920	147.860	0.120000
1091.920	148.384	0.120000
1101.920	148.791	0.120000
1111.920	149.380	0.120000
1121.920	149.688	0.120000
1131.920	150.134	0.120000
1141.920	150.530	0.120000
1151.920	150.748	0.120000
1161.920	151.180	0.120000
1171.920	151.535	0.120000
1181.920	152.157	0.120000
1191.920	152.448	0.120000
1201.920	152.701	0.120000
1211.920	152.928	0.120000
1221.920	153.271	0.120000
1231.730	153.540	0.120000
1241.730	153.854	0.120000
1251.730	154.192	0.120000
1261.730	154.548	0.120000
1271.730	154.853	0.120000
1281.730	155.023	0.120000
1291.730	155.324	0.120000
1301.730	155.662	0.120000
1311.730	155.977	0.120000
1321.730	156.292	0.120000
1331.730	156.641	0.120000
1341.600	156.936	0.120000
1351.600	157.234	0.120000
1361.600	157.460	0.120000
1371.600	157.776	0.120000
1381.600	158.083	0.120000
1391.600	158.266	0.120000
1401.600	158.549	0.120000
1411.600	158.815	0.120000
1421.600	158.982	0.120000
1431.600	159.234	0.120000
1441.600	159.425	0.120000
1451.600	159.545	0.120000
1461.570	159.722	0.120000
1471.570	159.916	0.120000
1481.570	160.091	0.120000
1491.570	160.249	0.120000
1501.570	160.446	0.120000
1511.570	160.560	0.120000
1521.570	160.663	0.120000
1531.570	160.794	0.120000
1541.570	160.958	0.120000
1551.570	161.083	0.120000
1561.570	161.257	0.120000
1571.570	161.314	0.120000
1581.380	161.347	0.120000
1591.380	161.403	0.120000
1601.380	161.367	0.120000
1611.380	161.509	0.120000
1621.380	161.540	0.120000
1631.380	161.666	0.120000
1641.380	161.821	0.120000
1651.380	162.092	0.120000
1661.380	162.364	0.120000
1671.380	162.550	0.120000
1681.370	162.356	0.120000
1691.370	162.132	0.120000
1701.370	162.047	0.120000
1711.370	162.050	0.120000
4774.040	137.390	0.120000
4784.040	137.343	0.120000
4794.040	137.370	0.120000
4804.040	137.395	0.120000
4814.040	137.329	0.120000
4824.040	137.364	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4834.040	137.367	0.120000
4844.040	137.308	0.120000
4854.040	137.301	0.120000
4864.040	137.299	0.120000
4874.040	137.314	0.120000
4884.040	137.322	0.120000
4894.040	137.310	0.120000
4904.040	137.437	0.120000
4914.040	137.282	0.120000
4924.040	137.294	0.120000
4934.040	137.387	0.120000
4944.040	137.250	0.120000
4954.040	137.220	0.120000
4964.040	137.266	0.120000
4974.040	137.252	0.120000
4984.040	137.330	0.120000
4994.040	137.415	0.120000
5004.040	137.259	0.120000
5014.040	137.307	0.120000
5024.040	137.263	0.120000
5034.040	137.285	0.120000
5044.040	137.335	0.120000
5054.040	137.295	0.120000
5064.040	137.330	0.120000
5074.040	137.433	0.120000
5084.040	137.280	0.120000
5094.040	137.215	0.120000
5104.040	137.269	0.120000
5114.040	137.270	0.120000
5124.040	137.191	0.120000
5134.040	137.197	0.120000
5144.040	137.225	0.120000
5154.040	137.188	0.120000
5164.040	137.163	0.120000
5174.040	137.143	0.120000
5184.040	137.204	0.120000
5194.040	137.179	0.120000
5204.020	137.123	0.120000
5214.020	137.089	0.120000
5224.020	137.008	0.120000
5233.940	136.926	0.120000
5243.940	136.942	0.120000
5253.940	136.907	0.120000
5263.940	136.862	0.120000
5273.920	136.858	0.120000
5283.920	136.829	0.120000
5293.920	136.904	0.120000
5303.920	136.871	0.120000
5313.920	136.808	0.120000
5323.920	136.844	0.120000
5333.920	136.816	0.120000
5343.920	136.784	0.120000
5353.920	136.841	0.120000
5363.920	136.904	0.120000
5373.920	136.954	0.120000
5383.920	136.979	0.120000
5393.920	137.033	0.120000
5403.920	137.029	0.120000
5413.920	137.130	0.120000
5423.920	137.063	0.120000
5433.920	137.071	0.120000
5443.920	137.052	0.120000
5453.920	137.088	0.120000
5463.920	137.128	0.120000
5473.920	137.219	0.120000
5483.920	137.047	0.120000
5493.920	137.191	0.120000
5503.920	137.213	0.120000
5513.920	137.173	0.120000
5523.920	137.145	0.120000
5533.920	137.130	0.120000
5543.920	137.149	0.120000
5553.920	137.082	0.120000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

5563.920	137.110	0.120000
5573.920	137.087	0.120000
5583.920	137.077	0.120000
5593.900	137.094	0.120000
5603.900	137.063	0.120000
5613.900	137.070	0.120000
5623.900	137.095	0.120000
5633.900	137.101	0.120000
5643.900	137.175	0.120000
5653.880	137.116	0.120000
5663.880	137.079	0.120000
5673.880	137.095	0.120000
5683.880	137.074	0.120000
5693.880	137.052	0.120000
5703.880	137.039	0.120000
5713.880	137.021	0.120000
5723.880	136.994	0.120000
5733.880	136.912	0.120000
5743.880	136.823	0.120000
5753.880	136.771	0.120000
5763.880	136.784	0.120000
5773.880	136.761	0.120000
5783.880	136.731	0.120000
5793.560	136.702	0.120000
5793.660	162.550	0.120000

Name: RO14230A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.080	0.120000
0.000	136.096	0.120000
1.017	136.096	0.120000
11.017	136.080	0.120000
21.017	136.099	0.120000
31.017	136.179	0.120000
41.017	136.518	0.120000
50.886	137.043	0.120000
60.886	137.311	0.120000
70.125	137.174	0.120000
80.125	137.101	0.120000
90.125	137.070	0.120000
99.885	136.847	0.120000
109.885	137.388	0.120000
119.866	137.428	0.120000
129.838	137.405	0.120000
139.838	137.460	0.120000
149.213	137.559	0.120000
159.213	137.633	0.120000
168.868	137.765	0.120000
178.868	137.918	0.120000
188.868	137.968	0.120000
198.289	138.323	0.120000
207.860	138.364	0.120000
217.860	138.296	0.120000
227.860	138.289	0.120000
236.950	138.209	0.120000
246.950	138.176	0.120000
256.950	138.194	0.120000
264.177	138.121	0.120000
274.177	138.488	0.120000
283.822	138.320	0.120000
293.822	138.684	0.120000
301.334	138.672	0.120000
311.334	138.353	0.120000
321.119	138.292	0.120000
331.119	138.254	0.120000
341.119	138.275	0.120000
351.105	138.286	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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361.105	138.336	0.120000
368.471	138.393	0.120000
368.571	141.080	0.120000

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Name: RO14230B                                      Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.673	0.120000
0.000	137.413	0.120000
6.983	137.077	0.120000
16.977	136.553	0.120000
26.977	136.298	0.120000
36.949	136.057	0.120000
46.949	135.803	0.120000
56.860	135.926	0.120000
66.860	135.745	0.120000
76.857	135.886	0.120000
86.857	136.126	0.120000
96.857	136.127	0.120000
106.197	136.090	0.120000
116.176	136.044	0.120000
126.176	135.976	0.120000
136.176	135.940	0.120000
146.022	135.759	0.120000
156.022	135.707	0.120000
166.022	135.673	0.120000
175.854	135.748	0.120000
185.854	135.782	0.120000
195.854	135.800	0.120000
205.853	135.922	0.120000
215.853	136.131	0.120000
225.853	136.096	0.120000
225.953	140.673	0.120000

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Name: RO14230D                                      Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.087	0.120000
0.000	137.673	0.120000
10.000	137.460	0.120000
20.000	137.175	0.120000
30.000	136.829	0.120000
39.984	136.574	0.120000
49.984	136.496	0.120000
59.984	136.205	0.120000
69.984	136.087	0.120000
79.984	136.340	0.120000
89.984	136.537	0.120000
99.984	136.632	0.120000
109.984	136.717	0.120000
119.984	136.779	0.120000
129.984	136.934	0.120000
139.984	137.045	0.120000
149.984	137.133	0.120000
159.984	137.263	0.120000
169.984	137.372	0.120000
179.984	137.475	0.120000
189.984	137.617	0.120000
199.984	137.806	0.120000
209.984	138.003	0.120000
219.984	138.163	0.120000
229.984	138.246	0.120000
239.984	138.315	0.120000

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Dewberry Engineers, Inc.  
01/23/2023

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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249.984	138.344	0.120000
259.984	138.374	0.120000
269.574	138.393	0.120000
269.674	141.087	0.120000

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Name: RO14240A  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.870	0.120000
0.000	135.348	0.120000
3.427	135.374	0.120000
13.427	135.022	0.120000
23.427	134.772	0.120000
33.097	134.712	0.120000
41.392	134.661	0.120000
51.392	134.729	0.120000
60.757	134.810	0.120000
70.757	134.846	0.120000
80.757	134.873	0.120000
90.745	134.699	0.120000
100.745	134.549	0.120000
110.745	134.347	0.120000
120.745	134.114	0.120000
130.742	134.186	0.120000
140.742	133.925	0.120000
150.742	133.870	0.120000
160.742	133.894	0.120000
170.742	133.960	0.120000
180.742	133.960	0.120000
190.742	133.962	0.120000
200.457	133.920	0.120000
210.457	133.975	0.120000
220.401	134.045	0.120000
230.401	134.226	0.120000
240.401	134.427	0.120000
247.109	134.568	0.120000
257.109	134.309	0.120000
264.391	134.657	0.120000
274.391	134.597	0.120000
282.735	134.793	0.120000
292.735	135.164	0.120000
301.437	134.785	0.120000
311.437	134.997	0.120000
321.437	135.192	0.120000
331.333	135.357	0.120000
341.333	135.311	0.120000
341.433	138.870	0.120000

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Name: RO14240B  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.277	0.120000
0.000	135.311	0.120000
6.245	135.319	0.120000
16.245	135.348	0.120000
26.245	135.388	0.120000
36.015	135.388	0.120000
46.015	135.387	0.120000
56.015	135.566	0.120000
66.006	135.598	0.120000
75.964	135.478	0.120000
85.964	135.408	0.120000
95.962	135.527	0.120000

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Dewberry Engineers, Inc.  
01/23/2023

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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105.962	135.368	0.120000
115.947	134.948	0.120000
125.947	134.812	0.120000
135.947	134.615	0.120000
145.936	134.381	0.120000
155.722	134.429	0.120000
165.605	134.613	0.120000
175.505	134.716	0.120000
185.505	134.518	0.120000
195.432	134.203	0.120000
205.432	133.641	0.120000
215.361	133.277	0.120000
225.361	133.402	0.120000
235.361	133.608	0.120000
245.345	133.703	0.120000
255.345	133.625	0.120000
265.345	133.554	0.120000
275.345	133.600	0.120000
285.345	133.624	0.120000
295.256	133.744	0.120000
305.256	133.844	0.120000
315.256	134.056	0.120000
325.256	134.327	0.120000
335.099	134.305	0.120000
345.099	134.140	0.120000
355.099	134.115	0.120000
365.099	134.265	0.120000
375.099	134.434	0.120000
385.099	134.498	0.120000
394.357	134.486	0.120000
404.357	134.715	0.120000
414.357	134.921	0.120000
424.357	135.303	0.120000
433.738	135.144	0.120000
443.738	135.118	0.120000
453.738	135.322	0.120000
463.724	135.375	0.120000
473.724	135.348	0.120000
473.824	138.277	0.120000

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Name: RO14250A  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	142.438	0.120000
0.000	138.538	0.120000
0.419	138.538	0.120000
10.419	138.529	0.120000
19.983	138.582	0.120000
29.570	138.632	0.120000
39.554	138.534	0.120000
49.554	138.479	0.120000
59.513	138.419	0.120000
69.513	138.407	0.120000
79.139	138.373	0.120000
89.139	138.315	0.120000
99.131	138.257	0.120000
109.131	138.208	0.120000
119.080	138.124	0.120000
129.048	138.018	0.120000
139.048	138.153	0.120000
148.251	138.326	0.120000
158.251	138.732	0.120000
168.251	138.286	0.120000
178.219	137.950	0.120000
188.219	137.646	0.120000
198.219	137.644	0.120000
208.219	137.656	0.120000
218.219	137.679	0.120000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
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227.835	137.655	0.120000
237.835	137.535	0.120000
247.823	137.461	0.120000
257.704	137.438	0.120000
267.704	137.478	0.120000
277.704	137.618	0.120000
277.804	142.438	0.120000

Name: R014250B  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.112	0.120000
0.000	139.562	0.120000
1.153	139.562	0.120000
11.153	139.432	0.120000
21.153	139.322	0.120000
31.153	139.304	0.120000
41.153	139.247	0.120000
51.153	139.199	0.120000
60.416	139.165	0.120000
70.416	139.128	0.120000
80.416	139.023	0.120000
90.416	138.908	0.120000
100.416	138.828	0.120000
110.416	138.652	0.120000
120.411	138.528	0.120000
130.411	138.385	0.120000
140.411	138.327	0.120000
150.411	138.186	0.120000
160.411	138.160	0.120000
170.316	138.150	0.120000
180.316	138.061	0.120000
190.316	137.910	0.120000
200.316	137.799	0.120000
210.316	137.708	0.120000
220.316	137.683	0.120000
230.316	137.622	0.120000
240.264	137.534	0.120000
250.264	137.465	0.120000
260.264	137.393	0.120000
270.264	137.301	0.120000
280.264	137.189	0.120000
290.264	137.112	0.120000
300.264	137.120	0.120000
310.264	137.147	0.120000
320.264	137.213	0.120000
330.264	137.219	0.120000
340.264	137.308	0.120000
350.264	137.357	0.120000
360.210	137.328	0.120000
370.210	137.344	0.120000
380.210	137.325	0.120000
390.210	137.582	0.120000
400.210	137.541	0.120000
409.930	137.647	0.120000
419.930	137.726	0.120000
429.930	137.635	0.120000
439.915	137.577	0.120000
449.915	137.502	0.120000
459.915	137.439	0.120000
469.915	137.429	0.120000
479.740	137.204	0.120000
489.740	137.184	0.120000
499.740	137.363	0.120000
509.740	138.388	0.120000
509.840	142.112	0.120000



Name: RO14250C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.366	0.120000
0.000	137.618	0.120000
2.759	137.618	0.120000
12.759	137.536	0.120000
22.759	137.507	0.120000
32.759	137.440	0.120000
42.750	137.399	0.120000
52.750	137.325	0.120000
62.750	137.317	0.120000
72.750	137.239	0.120000
82.714	137.052	0.120000
92.714	136.566	0.120000
102.552	136.311	0.120000
112.552	136.331	0.120000
122.552	136.404	0.120000
132.552	136.407	0.120000
142.552	136.367	0.120000
152.552	136.232	0.120000
162.552	136.146	0.120000
172.539	136.070	0.120000
182.539	135.928	0.120000
192.539	135.528	0.120000
202.539	135.480	0.120000
212.539	135.439	0.120000
222.539	135.407	0.120000
232.539	135.388	0.120000
242.539	135.366	0.120000
252.536	135.509	0.120000
262.536	135.755	0.120000
272.536	135.510	0.120000
282.536	135.524	0.120000
292.438	135.517	0.120000
302.438	135.502	0.120000
312.438	135.662	0.120000
322.438	135.685	0.120000
332.438	135.822	0.120000
342.420	136.079	0.120000
352.420	136.250	0.120000
361.848	136.503	0.120000
371.848	136.848	0.120000
381.848	137.020	0.120000
391.848	137.265	0.120000
401.848	137.443	0.120000
411.848	137.646	0.120000
421.799	137.744	0.120000
431.799	138.061	0.120000
441.799	138.266	0.120000
451.799	138.203	0.120000
461.489	138.381	0.120000
471.489	138.566	0.120000
481.489	138.640	0.120000
491.489	138.705	0.120000
501.489	138.787	0.120000
511.489	138.953	0.120000
521.489	139.123	0.120000
531.433	139.250	0.120000
541.433	139.244	0.120000
551.433	139.282	0.120000
561.433	139.326	0.120000
571.433	139.466	0.120000
581.433	139.562	0.120000
581.533	140.366	0.120000

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 Pipes  
 =====

Name: RH8200A	From Node: NH8000	Length(ft): 90.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Rectangular	Rectangular	Flow: Both
Span(in): 120.00	120.00	Entrance Loss Coef: 0.50
Rise(in): 49.20	49.20	Exit Loss Coef: 1.00
Invert(ft): 129.730	129.690	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

dimensions from survey  
 estimated pipe length of 90'  
 NAVD88

Name: RH8200C	From Node: NH8000	Length(ft): 90.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Rectangular	Rectangular	Flow: Both
Span(in): 120.00	120.00	Entrance Loss Coef: 0.50
Rise(in): 49.20	49.20	Exit Loss Coef: 1.00
Invert(ft): 129.730	129.690	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

dimensions from survey  
 estimated pipe length of 90'  
 NAVD88

Name: RH8200D	From Node: NH8000	Length(ft): 90.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Rectangular	Rectangular	Flow: Both
Span(in): 120.00	120.00	Entrance Loss Coef: 0.50
Rise(in): 49.20	49.20	Exit Loss Coef: 1.00
Invert(ft): 129.730	129.690	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

dimensions from survey  
 estimated pipe length of 90'

NAVD88

Name: RHH81052A	From Node: NHH81052	Length(ft): 150.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 133.120	131.930	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81052C	From Node: NHH81052	Length(ft): 150.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 133.120	131.930	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81053A	From Node: NHH81053	Length(ft): 120.00
Group: BASE	To Node: NHH8120	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 134.310	134.220	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81053B	From Node: NHH81053	Length(ft): 120.00
Group: BASE	To Node: NHH8120	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Circular	Circular	Flow: Both
Span(in): 18.00	18.00	Entrance Loss Coef: 0.50
Rise(in): 18.00	18.00	Exit Loss Coef: 0.00
Invert(ft): 137.080	134.350	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81054A	From Node: NHH81054	Length(ft): 55.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Circular	Circular	Flow: Both
Span(in): 18.00	18.00	Entrance Loss Coef: 0.50
Rise(in): 18.00	18.00	Exit Loss Coef: 0.00
Invert(ft): 134.840	134.240	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81161D_CD08	From Node: NHH8116	Length(ft): 90.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Circular	Circular	Flow: Both
Span(in): 24.00	24.00	Entrance Loss Coef: 0.90
Rise(in): 24.00	24.00	Exit Loss Coef: 1.00
Invert(ft): 129.280	129.240	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dn or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

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Name: RHH81161E_CD08	From Node: NHH8116	Length(ft): 90.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 24.00	24.00	Bend Loss Coef: 0.00
Rise(in): 24.00	24.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 129.500	129.500	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

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Name: RHH81161F_CD08	From Node: NHH8116	Length(ft): 90.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 24.00	24.00	Bend Loss Coef: 0.00
Rise(in): 24.00	24.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 129.460	129.460	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

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Name: RHH8116B	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 42.00	42.00	Bend Loss Coef: 0.00
Rise(in): 42.00	42.00	Outlet Ctrl Spec: Use dn or tw
Invert(ft): 128.570	128.270	Inlet Ctrl Spec: Use dc
Manning's N: 0.011000	0.011000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116C	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 36.00	36.00	Exit Loss Coef: 1.00
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 128.370	128.350	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116D	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 12.00	12.00	Exit Loss Coef: 1.00
Rise(in): 12.00	12.00	Bend Loss Coef: 0.00
Invert(ft): 129.830	129.090	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116E	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 24.00	24.00	Exit Loss Coef: 1.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 129.600	129.500	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116F	From Node: NH8105	Length(ft): 45.00
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Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 30.00	30.00	Exit Loss Coef: 1.00
Rise(in): 30.00	30.00	Bend Loss Coef: 0.00
Invert(ft): 127.970	127.960	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH81171B_CD10	From Node: NHH81171	Length(ft): 145.00
Group: BASE	To Node: NO14000	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 48.00	48.00	Exit Loss Coef: 1.00
Rise(in): 48.00	48.00	Bend Loss Coef: 0.00
Invert(ft): 131.770	130.180	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120109

Name: RHH81172C_CD05	From Node: NHH81172	Length(ft): 66.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 131.770	131.410	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions and length from survey  
 NAVD88

Name: RHH81172D	From Node: NHH81172	Length(ft): 93.00
Group: BASE	To Node: NHH81173	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Flow: Both
Span(in): 24.00	24.00	Entrance Loss Coef: 0.50
Rise(in): 24.00	24.00	Exit Loss Coef: 0.00
Invert(ft): 132.400	132.040	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 estimated culvert length of 93'  
 NAVD88

Name: RHH8117B_CD06	From Node: NHH8117	Length(ft): 89.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.90
		Exit Loss Coef: 1.00
		Bend Loss Coef: 0.00
		Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Circular
Span(in): 30.00	30.00	30.00
Rise(in): 30.00	30.00	30.00
Invert(ft): 128.510	128.580	128.580
Manning's N: 0.013000	0.013000	0.013000
Top Clip(in): 0.000	0.000	0.000
Bot Clip(in): 0.000	0.000	0.000

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8117C_CD07	From Node: NHH8117	Length(ft): 89.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.90
		Exit Loss Coef: 1.00
		Bend Loss Coef: 0.00
		Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Circular
Span(in): 18.00	18.00	18.00
Rise(in): 18.00	18.00	18.00
Invert(ft): 129.560	129.420	129.420
Manning's N: 0.013000	0.013000	0.013000
Top Clip(in): 0.000	0.000	0.000
Bot Clip(in): 0.000	0.000	0.000

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8117D_CD07	From Node: NHH8117	Length(ft): 89.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.90

	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Circular
Span(in): 18.00	18.00	18.00



Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Rise(in): 18.00	18.00	Exit Loss Coef: 1.00
Invert(ft): 129.410	129.280	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8117E_CD06	From Node: NHH8117	Length(ft): 89.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.710	128.550	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8117F_CD06	From Node: NHH8117	Length(ft): 89.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.460	128.380	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8117G_CD06	From Node: NHH8117	Length(ft): 89.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.630	128.390	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	
Top Clip(in): 0.000	0.000	

Bot Clip(in): 0.000                      0.000                      Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8118	From Node: NHH8118	Length(ft): 125.00
Group: BASE	To Node: NHH811871	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 36.00	36.00	Exit Loss Coef: 0.00
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 128.910	128.850	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 234, S518

Name: RHH81181B	From Node: NHH81181	Length(ft): 35.00
Group: BASE	To Node: NHH81180	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 130.520	130.520	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.022000	0.022000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Data was obtained through survey on 12/04/09

Name: RHH811841	From Node: NHH811841	Length(ft): 125.00
Group: BASE	To Node: BNDRY22	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 129.370	128.970	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 230, S511

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Name: RHH811851	From Node: NHH811851	Length(ft): 125.00
Group: BASE	To Node: NH8105	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.50
Invert(ft): 131.790	131.300	Exit Loss Coef: 1.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 230, S510

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Name: RHH811861	From Node: NHH811861	Length(ft): 125.00
Group: BASE	To Node: NHH8118	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.50
Invert(ft): 129.000	129.950	Exit Loss Coef: 1.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S519

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Name: RHH811871	From Node: NHH811871	Length(ft): 125.00
Group: BASE	To Node: BNDRY23	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 128.850	128.790	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S518

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Name: RHH811871B	From Node: NHH811871	Length(ft): 125.00
Group: BASE	To Node: BNDRY23	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 36.00	36.00	Exit Loss Coef: 0.00
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 128.850	128.790	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S518

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Name: RHH811881	From Node: NHH81188	Length(ft): 125.00
Group: BASE	To Node: BNDRY23	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 30.00	30.00	Exit Loss Coef: 0.00
Rise(in): 30.00	30.00	Bend Loss Coef: 0.00
Invert(ft): 128.460	128.360	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S517

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Name: RHH8118D	From Node: NHH8118	Length(ft): 125.00
Group: BASE	To Node: NHH811871	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 36.00	36.00	Exit Loss Coef: 0.00
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 128.910	128.850	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S518

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Name: RHH8125	From Node: NHH8125	Length(ft): 125.00
Group: BASE	To Node: NHH811851	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 132.280	131.790	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 230, S510

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Name: RHH8145	From Node: NHH8145	Length(ft): 125.00
Group: BASE	To Node: NHH811841	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 129.770	129.370	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 230, S511

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Name: RHH8150B	From Node: NHH8150	Length(ft): 150.00
Group: BASE	To Node: NHH8119	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 1.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 133.140	131.820	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 232, Pipe inverts were approximated using profile view  
\*\*Downstream invert seems lower than the DEM

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Name: RHH8160	From Node: NHH8160	Length(ft): 125.00
Group: BASE	To Node: NHH81188	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 0.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.570	128.460	Inlet Ctrl Spec: Use dc
Manning's N: 0.011000	0.011000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S517

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Name: RHH8165A	From Node: NHH8165	Length(ft): 126.00
Group: BASE	To Node: NHH8145	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 0.00
Span(in): 24.00	24.00	Bend Loss Coef: 0.00
Rise(in): 24.00	24.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 132.490	131.340	Inlet Ctrl Spec: Use dc
Manning's N: 0.011000	0.011000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF002-100  
pg 347

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Name: RHH8165B	From Node: NHH8165	Length(ft): 126.00
Group: BASE	To Node: NHH8145	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 0.00
Span(in): 24.00	24.00	Bend Loss Coef: 0.00
Rise(in): 24.00	24.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 132.490	131.340	Inlet Ctrl Spec: Use dc
Manning's N: 0.011000	0.011000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 347

Name: RHH8170B	From Node: NHH8170	Length(ft): 397.00
Group: BASE	To Node: NHH8120	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 137.220	134.140	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 346 and 347

Name: RHH8175	From Node: NHH8175	Length(ft): 66.00
Group: BASE	To Node: NHH8170	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 133.640	133.040	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 347

Name: RHH8180A	From Node: NHH8180	Length(ft): 185.00
Group: BASE	To Node: NHH8175	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 136.720	133.640	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 347  
 S-15

Name: RHH8181B_CD09	From Node: NHH8181	Length(ft): 83.00
Group: BASE	To Node: NHH81180	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 130.070	130.150	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8181C_CD09	From Node: NHH8181	Length(ft): 83.00
Group: BASE	To Node: NHH81180	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 130.050	130.100	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey

Name: RHH8190	From Node: NHH8190	Length(ft): 125.00
Group: BASE	To Node: NHH811861	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 30.00	30.00	Exit Loss Coef: 1.00
Rise(in): 30.00	30.00	Bend Loss Coef: 0.00
Invert(ft): 129.060	129.000	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:



Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S519

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Name: R014136B	From Node: NO14136	Length(ft): 26.00
Group: BASE	To Node: NO14230	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 12.00	12.00	Bend Loss Coef: 0.00
Rise(in): 12.00	12.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 134.240	134.080	Inlet Ctrl Spec: Use dc
Manning's N: 0.022000	0.022000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Survey Data

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Name: R014212B	From Node: NO14212	Length(ft): 90.00
Group: BASE	To Node: NO14220	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 0.00
Span(in): 18.00	18.00	Bend Loss Coef: 0.00
Rise(in): 18.00	18.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 132.090	131.770	Inlet Ctrl Spec: Use dc
Manning's N: 0.022000	0.022000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120109

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Name: R014220B_CD04	From Node: NO14220	Length(ft): 103.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Rectangular	Rectangular	Exit Loss Coef: 0.00
Span(in): 120.00	120.00	Bend Loss Coef: 0.00
Rise(in): 36.00	36.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 130.470	129.810	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Pipe data obtained through survey on 120109

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Name: RO14230C          From Node: NO14230          Length(ft): 22.00
Group: BASE            To Node: NO14220          Count: 1
                        Friction Equation: Automatic
                        Solution Algorithm: Most Restrictive
                        Flow: Both
UPSTREAM              DOWNSTREAM
Geometry: Circular    Circular
Span(in): 12.00       12.00
Rise(in): 12.00       12.00
Invert(ft): 133.580   133.440
Manning's N: 0.022000 0.022000
Top Clip(in): 0.000   0.000
Bot Clip(in): 0.000   0.000
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Survey Data

==== Drop Structures =====

```

-----
Name: RHH8119C          From Node: NHH8119          Length(ft): 750.00
Group: BASE            To Node: NHH8160          Count: 1
                        Friction Equation: Automatic
                        Solution Algorithm: Most Restrictive
                        Flow: Both
UPSTREAM              DOWNSTREAM
Geometry: Circular    Circular
Span(in): 18.00       18.00
Rise(in): 18.00       18.00
Invert(ft): 131.120   131.000
Manning's N: 0.011000 0.011000
Top Clip(in): 0.000   0.000
Bot Clip(in): 0.000   0.000
Entrance Loss Coef: 0.500
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Solution Incs: 10
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure RHH8119C \*\*\*

```

Count: 1
Type: Vertical: Mavis
Flow: Both
Geometry: Circular
Span(in): 2.10
Rise(in): 2.10
Bottom Clip(in): 0.000
Top Clip(in): 0.000
Weir Disc Coef: 3.200
Orifice Disc Coef: 0.600
Invert(ft): 131.640
Control Elev(ft): 131.640
TABLE
  
```

\*\*\* Weir 2 of 3 for Drop Structure RHH8119C \*\*\*

```

Count: 1
Type: Vertical: Mavis
Flow: Both
Geometry: Rectangular
Span(in): 5.52
Rise(in): 35.08
Bottom Clip(in): 0.000
Top Clip(in): 0.000
Weir Disc Coef: 3.200
Orifice Disc Coef: 0.600
Invert(ft): 131.820
Control Elev(ft): 131.820
TABLE
  
```

\*\*\* Weir 3 of 3 for Drop Structure RHH8119C \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 36.00 Invert(ft): 134.910  
 Rise(in): 24.00 Control Elev(ft): 134.910

==== Weirs =====

Name: BNDRYW From Node: BNDRY22  
 Group: BASE To Node: BNDRY26  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: BNDRYW  
 Invert(ft): 132.737  
 Control Elevation(ft): 132.737  
 Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

-----  
 Name: RH8200B From Node: NH8105  
 Group: BASE To Node: NH8000  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: RH8200B  
 Invert(ft): 136.325  
 Control Elevation(ft): 136.325  
 Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

-----  
 Name: RHH8102 From Node: NHH8102  
 Group: BASE To Node: NH8105  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: RHH8102  
 Invert(ft): 132.035  
 Control Elevation(ft): 132.035  
 Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

-----  
 Name: RHH81052B From Node: NHH81052  
 Group: BASE To Node: NH8105  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: RHH81052B  
Invert (ft): 136.188  
Control Elevation(ft): 136.188  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81052D                      From Node: NHH81052  
Group: BASE                            To Node: NHH8165  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH81052D  
Invert (ft): 136.408  
Control Elevation(ft): 136.408  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81053C                      From Node: NHH81053  
Group: BASE                            To Node: NHH8120  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH81053C  
Invert (ft): 138.710  
Control Elevation(ft): 138.710  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81053D                      From Node: NHH81053  
Group: BASE                            To Node: NHH81054  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH81053D  
Invert (ft): 138.398  
Control Elevation(ft): 138.398  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81054B                      From Node: NHH81054  
Group: BASE                            To Node: NH8105  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH81054B  
Invert (ft): 137.532  
Control Elevation (ft): 137.532  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81054C                      From Node: NHH81054  
Group: BASE                              To Node: NHH81052  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81054C  
Invert (ft): 137.619  
Control Elevation (ft): 137.619  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8116                            From Node: NH8105  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH8116  
Invert (ft): 132.479  
Control Elevation (ft): 132.479  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81161A                        From Node: NHH81161  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81161A  
Invert (ft): 136.733  
Control Elevation (ft): 136.733  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81161B                        From Node: NHH8116  
Group: BASE                              To Node: BNDRY20  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81161B

Invert(ft): 135.263  
Control Elevation(ft): 135.263  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81161C                      From Node: NHH81181  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81161C  
Invert(ft): 133.196  
Control Elevation(ft): 133.196  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8117                          From Node: NHH8117  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH8117  
Invert(ft): 131.118  
Control Elevation(ft): 131.118  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81171                        From Node: NHH81171  
Group: BASE                              To Node: NHH8117  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81171  
Invert(ft): 136.722  
Control Elevation(ft): 136.722  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81171A                      From Node: NHH81171  
Group: BASE                              To Node: NO14000  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81171A  
Invert(ft): 139.258

Control Elevation(ft): 139.258  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81172                      From Node: NHH81172  
Group: BASE                         To Node: NHH81173  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH81172  
Invert(ft): 136.557  
Control Elevation(ft): 136.557  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81172B                    From Node: NHH81172  
Group: BASE                         To Node: BNDRY20  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH81172B  
Invert(ft): 136.081  
Control Elevation(ft): 136.081  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81173                    From Node: NHH81173  
Group: BASE                         To Node: NHH8117  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH81173  
Invert(ft): 135.183  
Control Elevation(ft): 135.183  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8117A                    From Node: NHH8117  
Group: BASE                         To Node: BNDRY20  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH8117A  
Invert(ft): 135.298  
Control Elevation(ft): 135.298

---

Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81180C                      From Node: NHH81180  
Group: BASE                              To Node: NHH81116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81180C  
                                         Invert (ft): 132.583  
Control Elevation(ft): 132.583  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81180D                      From Node: NHH81180  
Group: BASE                              To Node: NHH81118  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81180D  
                                         Invert (ft): 131.101  
Control Elevation(ft): 131.101  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81180WS                      From Node: NHH811811  
Group: BASE                              To Node: NHH81180  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81180WS  
                                         Invert (ft): 132.646  
Control Elevation(ft): 132.646  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81181A                      From Node: NHH81181  
Group: BASE                              To Node: NHH81180  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81181A  
                                         Invert (ft): 133.106  
Control Elevation(ft): 133.106  
Struct Opening Dim(ft): 9999.00



---

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81182                      From Node: NHH81182  
Group: BASE                              To Node: NHH8118  
Flow: Both                              Count: 1  
Type: Vertical: Gravel              Geometry: Irregular

                                         XSec: RHH81182  
                                         Invert(ft): 131.112  
Control Elevation(ft): 131.112  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH811821W                      From Node: NHH811821  
Group: BASE                              To Node: NHH81180  
Flow: Both                              Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                         XSec: RHH811821W  
                                         Invert(ft): 132.512  
Control Elevation(ft): 132.512  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81182B                      From Node: NHH81182  
Group: BASE                              To Node: NHH81180  
Flow: Both                              Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                         XSec: RHH81182B  
                                         Invert(ft): 132.464  
Control Elevation(ft): 132.464  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81182WE                      From Node: NHH81182  
Group: BASE                              To Node: NHH811821  
Flow: Both                              Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                         XSec: RHH81182WE  
                                         Invert(ft): 132.114  
Control Elevation(ft): 132.114  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81183                      From Node: NHH81183  
Group: BASE                         To Node: NHH8118  
Flow: Both                         Count: 1  
Type: Vertical: Gravel             Geometry: Irregular

      XSec: RHH81183  
      Invert(ft): 131.351  
Control Elevation(ft): 131.351  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81183WN                   From Node: NHH811831  
Group: BASE                         To Node: NHH81183  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

      XSec: RHH81183WN  
      Invert(ft): 132.168  
Control Elevation(ft): 132.168  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81184                      From Node: NHH81184  
Group: BASE                         To Node: NHH811841  
Flow: Both                         Count: 1  
Type: Horizontal                   Geometry: Rectangular

      Span(in): 96.00  
      Rise(in): 24.00  
      Invert(ft): 133.420  
Control Elevation(ft): 133.420

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

REF001-005  
pg 231, S511, plans do not show drain, however aerials show grate, dem is used for grate elevation, assuming spa

---

Name: RHH81184B                     From Node: NHH81184  
Group: BASE                         To Node: BNDRY22  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

      XSec: RHH81184B  
      Invert(ft): 136.428  
Control Elevation(ft): 136.428  
Struct Opening Dim(ft): 9999.00

TABLE

---

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81185                      From Node: NHH81185  
Group: BASE                         To Node: NHH811851  
Flow: Both                         Count: 1  
Type: Horizontal                    Geometry: Rectangular

Span(in): 120.00  
Rise(in): 36.00  
Invert(ft): 134.900  
Control Elevation(ft): 134.900

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

REF001-005

pg 230, S510, plans do not show drain, however aerals show grate, dem is used for grate elevation, assuming spa

---

Name: RHH81185B                    From Node: NHH81185  
Group: BASE                         To Node: NH8105  
Flow: Both                         Count: 1  
Type: Vertical: Fread               Geometry: Irregular

XSec: RHH81185B  
Invert(ft): 137.645  
Control Elevation(ft): 137.645  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81185C                    From Node: NHH81185  
Group: BASE                         To Node: NHH81184  
Flow: Both                         Count: 1  
Type: Vertical: Fread               Geometry: Irregular

XSec: RHH81185C  
Invert(ft): 135.524  
Control Elevation(ft): 135.524  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81186                    From Node: NHH81186  
Group: BASE                         To Node: NHH811861  
Flow: Both                         Count: 1  
Type: Horizontal                    Geometry: Rectangular

Span(in): 36.00  
Rise(in): 24.00  
Invert(ft): 133.250  
Control Elevation(ft): 133.250

TABLE

---

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

REF001-005

pg 234, S519, plans do not show drain, however aerials show grate, dem is used for grate elevation, assuming spa

---

Name: RHH81186B                      From Node: NHH81186  
Group: BASE                              To Node: NHH8118  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81186B  
                                        Invert(ft): 136.202  
Control Elevation(ft): 136.202  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81187                        From Node: NHH81187  
Group: BASE                              To Node: NHH811871  
Flow: Both                                Count: 1  
Type: Horizontal                        Geometry: Rectangular

                                        Span(in): 36.00  
                                        Rise(in): 24.00  
                                        Invert(ft): 133.510  
Control Elevation(ft): 133.510

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

REF001-005

pg 234, S518, plans do not show drain, however aerials show grate, dem is used for grate elevation, assuming spa

---

Name: RHH81187B                        From Node: NHH81187  
Group: BASE                              To Node: BNDRY23  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81187B  
                                        Invert(ft): 136.082  
Control Elevation(ft): 136.082  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81187C                        From Node: NHH81187  
Group: BASE                              To Node: NHH81186  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81187C  
                                        Invert(ft): 133.491  
Control Elevation(ft): 133.491  
Struct Opening Dim(ft): 9999.00

---

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81187D                      From Node: NHH81187  
Group: BASE                              To Node: NHH81188  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81187D  
Invert(ft): 133.801  
Control Elevation(ft): 133.801  
Struct Opening Dim(ft): 9999.00

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81188B                      From Node: NHH81188  
Group: BASE                              To Node: BNDRY23  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81188B  
Invert(ft): 136.141  
Control Elevation(ft): 136.141  
Struct Opening Dim(ft): 9999.00

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8118B                        From Node: NHH8118  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH8118B  
Invert(ft): 132.496  
Control Elevation(ft): 132.496  
Struct Opening Dim(ft): 9999.00

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8118C                        From Node: NHH8118  
Group: BASE                              To Node: NHH81187  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH8118C  
Invert(ft): 136.148  
Control Elevation(ft): 136.148  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81192A                      From Node: NHH81192  
Group: BASE                              To Node: NHH8119  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81192A  
                                         Invert (ft): 140.089  
Control Elevation(ft): 140.089  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81192B                      From Node: NHH81192  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81192B  
                                         Invert (ft): 135.414  
Control Elevation(ft): 135.414  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8119A                        From Node: NHH8119  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8119A  
                                         Invert (ft): 135.752  
Control Elevation(ft): 135.752  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8120A                        From Node: NHH8120  
Group: BASE                              To Node: NH8105  
Flow: Both                                Count: 1  
Type: Vertical: Mavis                  Geometry: Rectangular

                                         Span(in): 36.00  
                                         Rise(in): 22.80  
                                         Invert (ft): 135.360  
Control Elevation(ft): 135.360

TABLE

Bottom Clip(in): 0.000

Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

data from survey

---

Name: RHH8120B                      From Node: NHH8120  
Group: BASE                         To Node: NH8105  
Flow: Both                         Count: 1  
Type: Vertical: Mavis             Geometry: Rectangular

Span(in): 96.00  
Rise(in): 24.00  
Invert(ft): 135.170  
Control Elevation(ft): 135.170

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

data from survey

---

Name: RHH8120C                      From Node: NHH8120  
Group: BASE                         To Node: NH8105  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH8120C  
Invert(ft): 135.766  
Control Elevation(ft): 135.766  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8130                      From Node: NHH8130  
Group: BASE                         To Node: NHH8125  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH8130  
Invert(ft): 135.067  
Control Elevation(ft): 135.067  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8135                      From Node: NHH8135  
Group: BASE                         To Node: NHH81185  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

XSec: RHH8135  
Invert(ft): 136.321  
Control Elevation(ft): 136.321  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000

Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8140                      From Node: NHH8140  
Group: BASE                        To Node: NHH8125  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8140  
                                  Invert (ft): 134.438  
Control Elevation(ft): 134.438  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8145A                    From Node: NHH8145  
Group: BASE                        To Node: NHH81192  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8145A  
                                  Invert (ft): 135.414  
Control Elevation(ft): 135.414  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8145B                    From Node: NHH8145  
Group: BASE                        To Node: NHH8116  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8145B  
                                  Invert (ft): 133.503  
Control Elevation(ft): 133.503  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8145C                    From Node: NHH8145  
Group: BASE                        To Node: NHH81184  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8145C  
                                  Invert (ft): 136.590  
Control Elevation(ft): 136.590  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600



Orifice Discharge Coef: 0.600

---

Name: RHH8150A                      From Node: NHH8150  
Group: BASE                              To Node: NHH8119  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8150A  
                                         Invert (ft): 147.406  
Control Elevation(ft): 147.406  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150C                      From Node: NHH8150  
Group: BASE                              To Node: NHH8145  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8150C  
                                         Invert (ft): 135.433  
Control Elevation(ft): 135.433  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150D                      From Node: NHH8150  
Group: BASE                              To Node: NHH81192  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8150D  
                                         Invert (ft): 139.952  
Control Elevation(ft): 139.952  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150E                      From Node: NHH8150  
Group: BASE                              To Node: NHH8160  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8150E  
                                         Invert (ft): 134.660  
Control Elevation(ft): 134.660  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8155                      From Node: NHH8155  
Group: BASE                        To Node: NHH8118  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

      XSec: RHH8155  
          Invert (ft): 131.499  
Control Elevation(ft): 131.499  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.600  
      Orifice Discharge Coef: 0.600

-----  
Name: RHH8160B                    From Node: NHH8160  
Group: BASE                        To Node: NHH81188  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

      XSec: RHH8160B  
          Invert (ft): 136.224  
Control Elevation(ft): 136.224  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.600  
      Orifice Discharge Coef: 0.600

-----  
Name: RHH8160C                    From Node: NHH8160  
Group: BASE                        To Node: NHH8155  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

      XSec: RHH8160C  
          Invert (ft): 133.456  
Control Elevation(ft): 133.456  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.600  
      Orifice Discharge Coef: 0.600

-----  
Name: RHH8160D                    From Node: NHH8160  
Group: BASE                        To Node: NHH8118  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

      XSec: RHH8160D  
          Invert (ft): 134.218  
Control Elevation(ft): 134.218  
Struct Opening Dim(ft): 9999.00

TABLE

      Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
      Weir Discharge Coef: 2.600  
      Orifice Discharge Coef: 0.600

-----  
Name: RHH8165C                      From Node: NHH8165  
Group: BASE                         To Node: NHH8145  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8165C  
                                  Invert (ft): 135.389  
Control Elevation(ft): 135.389  
Struct Opening Dim(ft): 9999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8170                       From Node: NHH8170  
Group: BASE                         To Node: NHH8116  
Flow: Both                         Count: 1  
Type: Vertical: Mavis             Geometry: Rectangular

                                  Span(in): 60.00  
                                  Rise(in): 30.00  
                                  Invert (ft): 134.640  
Control Elevation(ft): 134.640

TABLE

          Bottom Clip(in): 0.000  
          Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

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-----  
Name: RHH8170C                      From Node: NHH8170  
Group: BASE                         To Node: NHH8145  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8170C  
                                  Invert (ft): 136.261  
Control Elevation(ft): 136.261  
Struct Opening Dim(ft): 9999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81751A                     From Node: NHH81751  
Group: BASE                         To Node: NHH8170  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH81751A  
                                  Invert (ft): 138.240  
Control Elevation(ft): 138.240  
Struct Opening Dim(ft): 9999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81751B                      From Node: NHH81751  
Group: BASE                            To Node: NHH8175  
Flow: Both                             Count: 1  
Type: Horizontal                       Geometry: Rectangular

Span(in): 36.00  
Rise(in): 24.00  
Invert(ft): 136.130  
Control Elevation(ft): 136.130

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

data from REF002-100  
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T/ Grate= 136.99'  
S-16

-----  
Name: RHH81751C                      From Node: NHH81751  
Group: BASE                            To Node: NHH8120  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH81751C  
Invert(ft): 140.386  
Control Elevation(ft): 140.386  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8180B                      From Node: NHH8180  
Group: BASE                            To Node: NHH81751  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH8180B  
Invert(ft): 139.924  
Control Elevation(ft): 139.924  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8180C                      From Node: NHH8180  
Group: BASE                            To Node: NHH8170  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

XSec: RHH8180C  
Invert(ft): 136.816  
Control Elevation(ft): 136.816  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600

Orifice Discharge Coef: 0.600

---

Name: RHH8180D                      From Node: NHH8180  
Group: BASE                              To Node: NHH8165  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8180D  
                                         Invert (ft): 136.668  
Control Elevation(ft): 136.668  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8180E                      From Node: NHH8180  
Group: BASE                              To Node: NHH8145  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8180E  
                                         Invert (ft): 136.586  
Control Elevation(ft): 136.586  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8181A                      From Node: NHH8181  
Group: BASE                              To Node: NHH81180  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8181A  
                                         Invert (ft): 134.819  
Control Elevation(ft): 134.819  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8181D                      From Node: NHH8181  
Group: BASE                              To Node: BNDRY25  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8181D  
                                         Invert (ft): 131.374  
Control Elevation(ft): 131.374  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8190B                      From Node: NHH8190  
Group: BASE                            To Node: NHH81186  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RHH8190B  
                                  Invert (ft): 136.117  
Control Elevation(ft): 136.117  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14131                        From Node: NO14131  
Group: BASE                            To Node: NO14220  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14131  
                                  Invert (ft): 134.097  
Control Elevation(ft): 134.097  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14136A                       From Node: NO14136  
Group: BASE                            To Node: NO14000  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14136A  
                                  Invert (ft): 136.504  
Control Elevation(ft): 136.504  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14136C                       From Node: NO14136  
Group: BASE                            To Node: NO14131  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14136C  
                                  Invert (ft): 138.393  
Control Elevation(ft): 138.393  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14136D                      From Node: NO14136  
Group: BASE                         To Node: NO14250  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                          XSec: RO14136D  
                          Invert (ft): 136.332  
Control Elevation(ft): 136.332  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14211                      From Node: NO14211  
Group: BASE                         To Node: NO14220  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                          XSec: RO14211  
                          Invert (ft): 133.131  
Control Elevation(ft): 133.131  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14212A                     From Node: NO14212  
Group: BASE                         To Node: NO14220  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                          XSec: RO14212A  
                          Invert (ft): 135.622  
Control Elevation(ft): 135.622  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RO14220                      From Node: NO14220  
Group: BASE                         To Node: NO14000  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                          XSec: RO14220  
                          Invert (ft): 132.650  
Control Elevation(ft): 132.650  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014220A                      From Node: N014220  
Group: BASE                          To Node: BNDRY20  
Flow: Both                            Count: 1  
Type: Vertical: Fread                Geometry: Irregular

                                        XSec: R014220A  
                                        Invert (ft): 136.702  
Control Elevation(ft): 136.702  
Struct Opening Dim(ft): 999.00

TABLE

                                        Bottom Clip(ft): 0.000  
                                        Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014230A                      From Node: N014230  
Group: BASE                          To Node: N014131  
Flow: Both                            Count: 1  
Type: Vertical: Fread                Geometry: Irregular

                                        XSec: R014230A  
                                        Invert (ft): 136.080  
Control Elevation(ft): 136.080  
Struct Opening Dim(ft): 999.00

TABLE

                                        Bottom Clip(ft): 0.000  
                                        Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014230B                      From Node: N014230  
Group: BASE                          To Node: N014220  
Flow: Both                            Count: 1  
Type: Vertical: Fread                Geometry: Irregular

                                        XSec: R014230B  
                                        Invert (ft): 135.673  
Control Elevation(ft): 135.673  
Struct Opening Dim(ft): 999.00

TABLE

                                        Bottom Clip(ft): 0.000  
                                        Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014230D                      From Node: N014136  
Group: BASE                          To Node: N014230  
Flow: Both                            Count: 1  
Type: Vertical: Fread                Geometry: Irregular

                                        XSec: R014230D  
                                        Invert (ft): 136.087  
Control Elevation(ft): 136.087  
Struct Opening Dim(ft): 999.00

TABLE

                                        Bottom Clip(ft): 0.000  
                                        Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---



-----  
Name: RO14240A                      From Node: NO14240  
Group: BASE                            To Node: NO14131  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14240A  
                                  Invert (ft): 133.870  
Control Elevation(ft): 133.870  
Struct Opening Dim(ft): 999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
          Weir Discharge Coef: 2.600  
          Orifice Discharge Coef: 0.600

-----  
Name: RO14240B                      From Node: NO14240  
Group: BASE                            To Node: NO14220  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14240B  
                                  Invert (ft): 133.277  
Control Elevation(ft): 133.277  
Struct Opening Dim(ft): 999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
          Weir Discharge Coef: 2.600  
          Orifice Discharge Coef: 0.600

-----  
Name: RO14250A                      From Node: NO14250  
Group: BASE                            To Node: NO14131  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14250A  
                                  Invert (ft): 137.438  
Control Elevation(ft): 137.438  
Struct Opening Dim(ft): 999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
          Weir Discharge Coef: 2.600  
          Orifice Discharge Coef: 0.600

-----  
Name: RO14250B                      From Node: NO14250  
Group: BASE                            To Node: NO14000  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RO14250B  
                                  Invert (ft): 137.112  
Control Elevation(ft): 137.112  
Struct Opening Dim(ft): 999.00

TABLE

          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
          Weir Discharge Coef: 2.600  
          Orifice Discharge Coef: 0.600

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Name: R014250C                      From Node: N014250  
 Group: BASE                         To Node: N014220  
 Flow: Both                         Count: 1  
 Type: Vertical: Fread             Geometry: Irregular

                                  XSec: R014250C  
                                   Invert (ft): 135.366  
 Control Elevation(ft): 135.366  
 Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

==== Hydrology Simulations =====

Name: 100YR24HR  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\100YR24

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 10.00

Time(hrs)	Print Inc(min)
200.000	5.00

Name: 100YR5DAY  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\100YR5D

Override Defaults: Yes  
 Storm Duration(hrs): 120.00  
 Rainfall File: SWFWMD120  
 Rainfall Amount(in): 16.00

Time(hrs)	Print Inc(min)
200.000	5.00

Name: 10YR24HR  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\10YR24H

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 6.30

Time(hrs)	Print Inc(min)
200.000	5.00

Name: 233YR24HR  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\233YR24

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 4.30

Time(hrs)	Print Inc(min)
200.000	5.00

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

---

Name: 25YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\25YR24H

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 7.50

Time(hrs)	Print Inc(min)
200.000	5.00

---

Name: 500YR5DAY  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\500YR5D

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: SWFWMD120  
Rainfall Amount(in): 19.20

Time(hrs)	Print Inc(min)
200.000	5.00

---

Name: 50YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\50YR24H

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 9.00

Time(hrs)	Print Inc(min)
200.000	5.00

---

==== Routing Simulations =====

Name: 100YR24HR                      Hydrology Sim: 100YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\100YR24

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 100YR24HR                      Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	60.000

Group	Run
BASE	Yes

---

Name: 100YR5DAY                      Hydrology Sim: 100YR5DAY  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\100YR5D

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.01000

Existing Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

---

Time Step Optimizer: 10.000  
Start Time (hrs): 0.000  
Min Calc Time (sec): 0.5000  
Boundary Stages: 100YR5DAY  
End Time (hrs): 200.00  
Max Calc Time (sec): 10.0000  
Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000
Group	Run
-----	-----
BASE	Yes

---

Name: 10YR24HR Hydrology Sim: 10YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\10YR24H

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z (ft): 1.00 Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000 End Time (hrs): 200.00  
Min Calc Time (sec): 0.5000 Max Calc Time (sec): 10.0000  
Boundary Stages: 10YR24HR Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000
Group	Run
-----	-----
BASE	Yes

---

Name: 233YR24HR Hydrology Sim: 233YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\233YR24

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z (ft): 1.00 Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000 End Time (hrs): 200.00  
Min Calc Time (sec): 0.5000 Max Calc Time (sec): 10.0000  
Boundary Stages: 233yr24hr Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000
Group	Run
-----	-----
BASE	Yes

---

Name: 25YR24HR Hydrology Sim: 25YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\25YR24H

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z (ft): 1.00 Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000

Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Start Time(hrs): 0.000	End Time(hrs): 200.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: 25YR24HR	Boundary Flows:

Time (hrs)	Print Inc (min)
-----	-----
999.000	60.000

Group	Run
-----	-----
BASE	Yes

Name: 500YR5DAY                      Hydrology Sim: 500YR5DAY  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\500YR5D

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.01000
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 200.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: 500yr5day	Boundary Flows:

Time (hrs)	Print Inc (min)
-----	-----
999.000	60.000

Group	Run
-----	-----
BASE	Yes

Name: 50YR24HR                      Hydrology Sim: 50YR24HR  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Existing\50YR24H

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.01000
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 200.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: 50yr24hr	Boundary Flows:

Time (hrs)	Print Inc (min)
-----	-----
999.000	60.000

Group	Run
-----	-----
BASE	Yes

==== Boundary Conditions =====

Name: 10yr24hr                      Node: NH8000                      Type: Stage

Time (hrs)	Stage (ft)
-----	-----
0.000	132.300
0.167	132.299

0.333	132.298
0.500	132.297
0.667	132.296
0.833	132.296
1.000	132.296
1.167	132.294
1.333	132.293
1.500	132.292
1.667	132.292
1.833	132.291
2.000	132.291
2.167	132.290
2.333	132.290
2.500	132.290
2.667	132.290
2.833	132.291
3.000	132.291
3.167	132.292
3.333	132.292
3.500	132.292
3.667	132.293
3.833	132.293
4.000	132.294
4.167	132.295
4.333	132.296
4.500	132.296
4.667	132.297
4.833	132.298
5.000	132.298
5.167	132.300
5.333	132.301
5.500	132.303
5.667	132.304
5.833	132.305
6.000	132.306
6.167	132.308
6.333	132.309
6.500	132.310
6.667	132.312
6.833	132.312
7.000	132.312
7.167	132.316
7.333	132.318
7.500	132.320
7.667	132.322
7.833	132.323
8.000	132.323
8.167	132.325
8.333	132.327
8.500	132.329
8.667	132.331
8.833	132.332
9.000	132.332
9.167	132.336
9.333	132.340
9.500	132.343
9.667	132.346
9.833	132.348
10.000	132.351
10.167	132.354
10.333	132.357
10.500	132.361
10.667	132.364
10.833	132.366
11.000	132.369
11.167	132.372
11.333	132.376
11.500	132.380
11.667	132.385
11.833	132.390
12.000	132.396
12.167	132.404
12.333	132.416
12.500	132.434
12.667	132.456

12.500	132.483
12.667	132.511
12.833	132.538
13.000	132.562
13.167	132.584
13.333	132.603
13.500	132.621
13.667	132.636
13.833	132.651
14.000	132.664
14.167	132.675
14.333	132.686
14.500	132.695
14.667	132.705
14.833	132.713
15.000	132.724
15.167	132.735
15.333	132.745
15.500	132.741
15.667	132.747
15.833	132.753
16.000	132.758
16.167	132.763
16.333	132.767
16.500	132.771
16.667	132.775
16.833	132.779
17.000	132.782
17.167	132.788
17.333	132.791
17.500	132.791
17.667	132.793
17.833	132.796
18.000	132.798
18.167	132.801
18.333	132.803
18.500	132.805
18.667	132.808
18.833	132.810
19.000	132.812
19.167	132.814
19.333	132.817
19.500	132.819
19.667	132.821
19.833	132.823
20.000	132.825
20.167	132.827
20.333	132.829
20.500	132.831
20.667	132.832
20.833	132.833
21.000	132.835
21.167	132.836
21.333	132.839
21.500	132.840
21.667	132.842
21.833	132.844
22.000	132.846
22.167	132.848
22.333	132.849
22.500	132.851
22.667	132.853
22.833	132.854
23.000	132.856
23.167	132.858
23.333	132.859
23.500	132.861
23.667	132.863
23.833	132.864
24.000	132.866
24.167	132.867
24.333	132.869
24.500	132.870

24.667	132.872
24.833	132.873
25.000	132.874
25.167	132.875
25.333	132.876
25.500	132.877
25.667	132.878
25.833	132.879
26.000	132.880
26.167	132.881
26.333	132.882
26.500	132.883
26.667	132.884
26.833	132.885
27.000	132.886
27.167	132.887
27.333	132.888
27.500	132.889
27.667	132.890
27.833	132.891
28.000	132.892
28.167	132.893
28.333	132.894
28.500	132.895
28.667	132.896
28.833	132.897
29.000	132.898
29.167	132.899
29.333	132.900
29.500	132.901
29.667	132.902
29.833	132.903
30.000	132.904
30.167	132.905
30.333	132.906
30.500	132.907
30.667	132.908
30.833	132.909
31.000	132.910
31.167	132.911
31.333	132.912
31.500	132.913
31.667	132.914
31.833	132.915
32.000	132.916
32.167	132.917
32.333	132.918
32.500	132.919
32.667	132.920
32.833	132.921
33.000	132.922
33.167	132.923
33.333	132.924
33.500	132.925
33.667	132.926
33.833	132.927
34.000	132.928
34.167	132.929
34.333	132.930
34.500	132.931
34.667	132.932
34.833	132.933
35.000	132.934
35.167	132.935
35.333	132.936
35.500	132.937
35.667	132.938
35.833	132.939
36.000	132.940
36.167	132.941
36.333	132.942
36.500	132.943
36.667	132.944

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36.833	132.884
37.000	132.884
37.167	132.884
37.333	132.884
37.500	132.884
37.667	132.884
37.833	132.883
38.000	132.883
38.167	132.883
38.333	132.883
38.500	132.883
38.667	132.883
38.833	132.883
39.000	132.883
39.167	132.883
39.333	132.883
39.500	132.883
39.667	132.883
39.833	132.883
40.000	132.883
40.167	132.883
40.333	132.883
40.500	132.883
40.667	132.883
40.833	132.883
41.000	132.883
41.167	132.883
41.333	132.883
41.500	132.883
41.667	132.883
41.833	132.883
42.000	132.883
42.167	132.883
42.333	132.883
42.500	132.883
42.667	132.883
42.833	132.883
43.000	132.883
43.167	132.882
43.333	132.882
43.500	132.882
43.667	132.882
43.833	132.882
44.000	132.882
44.167	132.882
44.333	132.882
44.500	132.882
44.667	132.882
44.833	132.882
45.000	132.882
45.167	132.882
45.333	132.882
45.500	132.882
45.667	132.882
45.833	132.882
46.000	132.882
46.167	132.882
46.333	132.882
46.500	132.882
46.667	132.882
46.833	132.881
47.000	132.881
47.167	132.881
47.333	132.881
47.500	132.881
47.667	132.881
47.833	132.881
48.000	132.881
48.167	132.881
48.333	132.881
48.500	132.881
48.667	132.881
48.833	132.881

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49.000	132.881
49.167	132.881
49.333	132.881
49.500	132.881
49.667	132.881
49.833	132.881
50.000	132.880
50.167	132.880
50.333	132.880
50.500	132.880
50.667	132.880
50.833	132.880
51.000	132.880
51.167	132.880
51.333	132.880
51.500	132.880
51.667	132.880
51.833	132.880
52.000	132.880
52.167	132.880
52.333	132.880
52.500	132.880
52.667	132.879
52.833	132.879
53.000	132.879
53.167	132.879
53.333	132.879
53.500	132.879
53.667	132.879
53.833	132.879
54.000	132.879
54.167	132.879
54.333	132.879
54.500	132.879
54.667	132.879
54.833	132.879
55.000	132.879
55.167	132.878
55.333	132.878
55.500	132.878
55.667	132.878
55.833	132.878
56.000	132.878
56.167	132.878
56.333	132.878
56.500	132.878
56.667	132.878
56.833	132.878
57.000	132.878
57.167	132.878
57.333	132.878
57.500	132.877
57.667	132.877
57.833	132.877
58.000	132.877
58.167	132.877
58.333	132.877
58.500	132.877
58.667	132.877
58.833	132.877
59.000	132.877
59.167	132.877
59.333	132.877
59.500	132.877
59.667	132.876
59.833	132.876
60.000	132.876
60.167	132.876
60.333	132.876
60.500	132.876
60.667	132.876
60.833	132.876
61.000	132.876

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61.167	132.876
61.333	132.876
61.500	132.876
61.667	132.876
61.833	132.876
62.000	132.875
62.167	132.875
62.333	132.875
62.500	132.875
62.667	132.875
62.833	132.875
63.000	132.875
63.167	132.875
63.333	132.875
63.500	132.875
63.667	132.874
63.833	132.874
64.000	132.874
64.167	132.874
64.333	132.874
64.500	132.874
64.667	132.874
64.833	132.874
65.000	132.874
65.167	132.874
65.333	132.874
65.500	132.873
65.667	132.873
65.833	132.873
66.000	132.873
66.167	132.873
66.333	132.873
66.500	132.873
66.667	132.873
66.833	132.873
67.000	132.873
67.167	132.873
67.333	132.872
67.500	132.872
67.667	132.872
67.833	132.872
68.000	132.872
68.167	132.872
68.333	132.872
68.500	132.872
68.667	132.872
68.833	132.872
69.000	132.872
69.167	132.871
69.333	132.871
69.500	132.871
69.667	132.871
69.833	132.871
70.000	132.871
70.167	132.871
70.333	132.871
70.500	132.871
70.667	132.871
70.833	132.871
71.000	132.870
71.167	132.870
71.333	132.870
71.500	132.870
71.667	132.870
71.833	132.870
72.000	132.870
72.167	132.870
72.333	132.870
72.500	132.869
72.667	132.869
72.833	132.869
73.000	132.869
73.167	132.869

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73.333	132.869
73.500	132.869
73.667	132.869
73.833	132.869
74.000	132.869
74.167	132.869
74.333	132.869
74.500	132.869
74.667	132.869
74.833	132.869
75.000	132.869
75.167	132.869
75.333	132.869
75.500	132.869
75.667	132.869
75.833	132.869
76.000	132.869
76.167	132.869
76.333	132.869
76.500	132.869
76.667	132.869
76.833	132.869
77.000	132.869
77.167	132.869
77.333	132.869
77.500	132.869
77.667	132.869
77.833	132.869
78.000	132.869
78.167	132.869
78.333	132.869
78.500	132.869
78.667	132.869
78.833	132.869
79.000	132.869
79.167	132.869
79.333	132.869
79.500	132.869
79.667	132.869
79.833	132.869
80.000	132.869
80.167	132.869
80.333	132.869
80.500	132.869
80.667	132.869
80.833	132.869
81.000	132.869
81.167	132.869
81.333	132.869
81.500	132.869
81.667	132.869
81.833	132.869
82.000	132.869
82.167	132.869
82.333	132.869
82.500	132.869
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195.000	132.757
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197.167	132.754
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198.000	132.754
198.167	132.753
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198.833	132.753
199.000	132.753
199.167	132.752
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199.500	132.752
199.667	132.752
199.833	132.752
200.000	132.752

Name: 10yr24hr Node: NOI4000 Type: Stage

Time (hrs)	Stage (Ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.410
1.500	132.411
1.667	132.411
1.833	132.411
2.000	132.412
2.167	132.412
2.333	132.412
2.500	132.412
2.667	132.415
2.833	132.417
3.000	132.419
3.167	132.420
3.333	132.421
3.500	132.423
3.667	132.424
3.833	132.426
4.000	132.428
4.167	132.429
4.333	132.431
4.500	132.432
4.667	132.432
4.833	132.436
5.000	132.438
5.167	132.440
5.333	132.442
5.500	132.444
5.667	132.445
5.833	132.447

6.000	132.449
6.167	132.451
6.333	132.454
6.500	132.456
6.667	132.458
6.833	132.460
7.000	132.462
7.167	132.465
7.333	132.467
7.500	132.469
7.667	132.472
7.833	132.474
8.000	132.477
8.167	132.480
8.333	132.482
8.500	132.485
8.667	132.491
8.833	132.494
9.000	132.498
9.167	132.501
9.333	132.504
9.500	132.508
9.667	132.512
9.833	132.516
10.000	132.520
10.167	132.524
10.333	132.528
10.500	132.532
10.667	132.539
10.834	132.544
11.000	132.544
11.167	132.550
11.334	132.556
11.500	132.563
11.667	132.572
11.833	132.585
12.000	132.607
12.167	132.638
12.333	132.676
12.500	132.712
12.667	132.742
12.833	132.777
13.000	132.802
13.167	132.823
13.334	132.841
13.500	132.857
13.667	132.871
13.834	132.883
14.000	132.893
14.167	132.902
14.333	132.909
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14.833	132.924
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15.167	132.929
15.334	132.930
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15.667	132.932
15.834	132.933
16.000	132.933
16.167	132.933
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17.334	132.931
17.500	132.930
17.667	132.929
17.833	132.929
18.000	132.928

18.167	132.927
18.333	132.926
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18.833	132.923
19.000	132.922
19.167	132.921
19.333	132.920
19.500	132.919
19.667	132.918
19.833	132.917
20.000	132.916
20.167	132.915
20.333	132.914
20.500	132.913
20.667	132.912
21.000	132.911
21.167	132.910
21.333	132.909
21.500	132.908
21.667	132.907
21.833	132.906
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22.333	132.903
22.500	132.902
22.667	132.901
23.000	132.900
23.167	132.899
23.333	132.899
23.500	132.899
23.667	132.898
23.833	132.897
24.000	132.896
24.167	132.895
24.333	132.894
24.500	132.893
24.667	132.892
24.833	132.891
25.000	132.888
25.167	132.887
25.333	132.885
25.500	132.883
25.667	132.881
25.833	132.879
26.000	132.878
26.167	132.876
26.333	132.874
26.500	132.872
26.667	132.869
26.833	132.866
27.000	132.867
27.167	132.866
27.333	132.864
27.500	132.862
27.667	132.861
27.833	132.859
28.000	132.858
28.167	132.856
28.333	132.855
28.500	132.853
28.667	132.852
28.833	132.850
29.000	132.849
29.167	132.847
29.333	132.846
29.500	132.845
29.667	132.843
29.833	132.842
30.000	132.841
30.167	132.840

Deberry Engineers, Inc.  
 01/23/2023

30.333	132.838
30.500	132.837
30.667	132.836
30.833	132.835
31.000	132.833
31.167	132.832
31.333	132.831
31.500	132.830
31.667	132.829
31.833	132.828
32.000	132.827
32.167	132.826
32.333	132.825
32.500	132.824
32.667	132.823
32.833	132.822
33.000	132.821
33.167	132.819
33.333	132.818
33.500	132.817
33.667	132.816
33.833	132.815
34.000	132.814
34.167	132.814
34.333	132.813
34.500	132.813
34.667	132.812
34.833	132.811
35.000	132.810
35.167	132.809
35.333	132.808
35.500	132.808
35.667	132.807
35.833	132.806
36.000	132.805
36.167	132.805
36.333	132.804
36.500	132.803
36.667	132.802
36.833	132.802
37.000	132.800
37.167	132.800
37.333	132.799
37.500	132.799
37.667	132.798
37.833	132.797
38.000	132.797
38.167	132.796
38.333	132.795
38.500	132.795
38.667	132.794
38.833	132.794
39.000	132.793
39.167	132.792
39.333	132.792
39.500	132.791
39.667	132.791
39.833	132.790
40.000	132.789
40.167	132.789
40.333	132.788
40.500	132.788
40.667	132.787
40.833	132.787
41.000	132.786
41.167	132.785
41.333	132.785
41.500	132.784
41.667	132.784
41.833	132.783
42.000	132.783
42.167	132.782
42.333	132.782

Deberry Engineers, Inc.  
 01/23/2023

42.500	132.781
42.667	132.781
42.833	132.780
43.000	132.780
43.167	132.779
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43.500	132.778
43.667	132.778
43.833	132.777
44.000	132.777
44.167	132.776
44.333	132.776
44.500	132.775
44.667	132.775
44.833	132.774
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45.167	132.774
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48.500	132.766
48.667	132.766
48.833	132.765
49.000	132.765
49.167	132.764
49.333	132.764
49.500	132.764
49.667	132.764
49.833	132.763
50.000	132.763
50.167	132.763
50.333	132.762
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51.167	132.761
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53.167	132.757
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54.167	132.756
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54.833	132.755
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56.167	132.753
56.333	132.752
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56.833	132.752
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57.167	132.751
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57.833	132.750
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61.167	132.745
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64.333	132.742
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65.833	132.741
66.000	132.740
66.167	132.740
66.333	132.740
66.500	132.740
66.667	132.740



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67.167	132.739
67.333	132.739
67.500	132.739
67.667	132.739
67.833	132.739
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68.167	132.739
68.333	132.738
68.500	132.738
68.667	132.738
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69.000	132.738
69.167	132.737
69.333	132.737
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69.833	132.737
70.000	132.736
70.167	132.736
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71.167	132.735
71.333	132.735
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73.167	132.734
73.333	132.734
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74.333	132.733
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74.667	132.732
74.833	132.732
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76.167	132.731
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77.167	132.730
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78.000	132.730
78.167	132.730
78.333	132.730
78.500	132.729
78.667	132.729
78.833	132.729

Deberry Engineers, Inc.  
 01/23/2023

79.000	132.729
79.167	132.729
79.333	132.729
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79.667	132.729
79.833	132.729
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83.333	132.726
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84.167	132.726
84.333	132.725
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84.833	132.725
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90.167	132.722
90.333	132.722
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90.667	132.722
90.833	132.722
91.000	132.722

Deberry Engineers, Inc.  
 01/23/2023

91.167	132.721
91.333	132.721
91.500	132.721
91.667	132.721
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92.000	132.721
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92.833	132.721
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93.167	132.720
93.333	132.720
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115.333	132.710

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151.833	132.700

Deberry Engineers, Inc.  
 01/23/2023

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164.000	132.697

Deberry Engineers, Inc.  
 01/23/2023

164.167	133.697
164.333	133.697
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166.833	133.697
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167.167	133.697
167.333	133.696
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167.833	133.696
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199.333	132.691
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199.667	132.691
199.833	132.691
200.000	132.691

Name: 50yr24hr

Node: NHR000

Type: Stage

Deberry Engineers, Inc.  
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Time (hrs)	Stage (ft)
0.000	132.300
0.167	132.300
0.333	132.298
0.500	132.297
0.667	132.296
0.833	132.296
1.000	132.295
1.167	132.294
1.333	132.293
1.500	132.293
1.667	132.292
1.833	132.292
2.000	132.292
2.167	132.291
2.333	132.291
2.500	132.294
2.667	132.294
2.833	132.295
3.000	132.296
3.167	132.297
3.333	132.298
3.500	132.299
3.667	132.300
3.833	132.302
4.000	132.303
4.167	132.304
4.333	132.306
4.500	132.307
4.667	132.309
4.833	132.311
5.000	132.312
5.167	132.314
5.333	132.316
5.500	132.318
5.667	132.320
5.833	132.322
6.000	132.324
6.167	132.326
6.333	132.328
6.500	132.330
6.667	132.332
6.833	132.335
7.000	132.337
7.167	132.340
7.333	132.342
7.500	132.345
7.667	132.347
7.833	132.349
8.000	132.352
8.167	132.354
8.334	132.359
8.500	132.362
8.667	132.365
8.833	132.369
9.000	132.372
9.167	132.376
9.333	132.379
9.500	132.383
9.667	132.387
9.833	132.391
10.000	132.396
10.167	132.400
10.333	132.405
10.500	132.410
10.667	132.415
10.834	132.421
11.000	132.427
11.167	132.433
11.333	132.440
11.500	132.447

Deberry Engineers, Inc.  
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11.667	132.456
11.833	132.468
12.000	132.485
12.167	132.509
12.334	132.538
12.500	132.570
12.667	132.600
12.833	132.658
13.000	132.692
13.167	132.723
13.334	132.750
13.500	132.775
13.667	132.797
13.834	132.818
14.000	132.836
14.167	132.852
14.334	132.868
14.500	132.883
14.667	132.896
14.834	132.908
15.000	132.919
15.167	132.929
15.333	132.939
15.500	132.948
15.667	132.957
15.834	132.965
16.000	132.972
16.167	132.978
16.334	132.982
16.500	132.981
16.667	132.986
16.834	133.001
17.000	133.006
17.167	133.011
17.333	133.015
17.500	133.019
17.667	133.023
17.833	133.026
18.000	133.030
18.167	133.031
18.334	133.031
18.500	133.040
18.667	133.044
18.833	133.047
19.000	133.050
19.167	133.053
19.334	133.056
19.500	133.059
19.667	133.062
19.834	133.065
20.000	133.068
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20.334	133.073
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21.000	133.083
21.167	133.086
21.334	133.088
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22.334	133.102
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22.667	133.107
22.834	133.109
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24.167	133.126
24.334	133.128
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25.667	133.136
25.833	133.137
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121.000	133.035

Deberry Engineers, Inc.  
 01/23/2023

121.167	133.035
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121.500	133.034
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132.333	133.020
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132.833	133.019
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133.167	133.018

Deberry Engineers, Inc.  
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133.333	133.018
133.500	133.018
133.667	133.018
133.833	133.017
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193.167	132.938
193.333	132.937
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193.667	132.937
193.833	132.937
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194.667	132.936
194.833	132.936
195.000	132.935
195.167	132.935
195.333	132.935
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198.667	132.930
198.833	132.930
199.000	132.930
199.167	132.930
199.333	132.929
199.500	132.929
199.667	132.929
199.833	132.929
200.000	132.929

Name: 50Yr24hr

Node: N014000

Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.411
1.333	132.411
1.500	132.412
1.667	132.412
1.833	132.414
2.000	132.415
2.167	132.417
2.333	132.418
2.500	132.420
2.667	132.422
2.833	132.424
3.000	132.426
3.167	132.428
3.333	132.430
3.500	132.432
3.667	132.435
3.833	132.437
4.000	132.439
4.167	132.442
4.333	132.444
4.500	132.447
4.667	132.449
4.833	132.452
5.000	132.454

5.167	132.457
5.333	132.460
5.500	132.462
5.667	132.463
5.833	132.464
6.000	132.471
6.167	132.474
6.333	132.477
6.500	132.480
6.667	132.483
6.833	132.486
7.000	132.489
7.167	132.493
7.333	132.496
7.500	132.500
7.667	132.502
7.833	132.501
8.000	132.511
8.167	132.514
8.334	132.518
8.500	132.522
8.667	132.526
8.833	132.531
9.000	132.535
9.167	132.540
9.333	132.545
9.500	132.549
9.667	132.552
9.833	132.555
10.000	132.566
10.167	132.572
10.333	132.578
10.500	132.585
10.667	132.592
10.834	132.599
11.000	132.607
11.167	132.615
11.333	132.624
11.500	132.634
11.667	132.641
11.833	132.647
12.000	132.656
12.167	132.740
12.333	132.793
12.500	132.847
12.667	132.894
12.833	132.935
13.000	132.969
13.167	132.996
13.334	133.018
13.500	133.036
13.667	133.056
13.833	133.071
14.000	133.077
14.167	133.081
14.334	133.083
14.500	133.084
14.667	133.083
14.834	133.083
15.000	133.081
15.167	133.079
15.333	133.077
15.500	133.078
15.667	133.082
15.834	133.086
16.000	133.090
16.167	133.094
16.334	133.098
16.500	133.101
16.667	133.105
16.834	133.108
17.000	133.110
17.167	133.113

17.333	133.115
17.500	133.118
17.667	133.120
17.833	133.122
18.000	133.126
18.167	133.127
18.334	133.129
18.500	133.129
18.667	133.130
18.833	133.132
19.000	133.133
19.167	133.134
19.334	133.135
19.500	133.136
19.667	133.137
19.834	133.137
20.000	133.138
20.167	133.140
20.334	133.141
20.500	133.141
20.667	133.142
20.834	133.142
21.000	133.143
21.167	133.143
21.334	133.143
21.500	133.144
21.667	133.144
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22.000	133.145
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22.667	133.145
22.834	133.145
23.000	133.145
23.167	133.145
23.334	133.145
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23.667	133.145
23.834	133.145
24.000	133.145
24.167	133.144
24.334	133.144
24.500	133.144
24.667	133.142
24.834	133.141
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25.167	133.138
25.334	133.136
25.500	133.134
25.667	133.132
25.833	133.130
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26.167	133.126
26.333	133.123
26.500	133.120
26.667	133.118
26.833	133.116
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27.167	133.111
27.333	133.108
27.500	133.106
27.667	133.103
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28.167	133.095
28.333	133.093
28.500	133.090
28.667	133.088
28.833	133.086
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29.167	133.081
29.333	133.078
29.500	133.076

29.500	133.073
29.667	133.071
29.833	133.068
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30.167	133.064
30.333	133.061
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30.667	133.056
30.833	133.054
31.000	133.052
31.167	133.049
31.333	133.047
31.500	133.044
31.667	133.042
31.833	133.040
32.000	133.037
32.167	133.035
32.333	133.033
32.500	133.030
32.667	133.028
32.833	133.026
33.000	133.023
33.167	133.021
33.333	133.019
33.500	133.017
33.667	133.014
33.833	133.012
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34.167	133.008
34.333	133.005
34.500	133.003
34.667	133.001
34.833	132.999
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35.333	132.992
35.500	132.990
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35.833	132.986
36.000	132.984
36.167	132.981
36.333	132.979
36.500	132.977
36.667	132.975
36.833	132.973
37.000	132.971
37.167	132.968
37.333	132.966
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37.667	132.962
37.833	132.960
38.000	132.958
38.167	132.956
38.333	132.954
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39.000	132.946
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40.333	132.930
40.500	132.928
40.667	132.926
40.833	132.924
41.000	132.922
41.167	132.920
41.333	132.918
41.500	132.916

Deberry Engineers, Inc.  
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41.667	132.914
41.833	132.913
42.000	132.911
42.167	132.909
42.333	132.907
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43.000	132.900
43.167	132.898
43.333	132.896
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43.833	132.891
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44.167	132.887
44.333	132.886
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44.833	132.881
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45.167	132.877
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46.333	132.866
46.500	132.864
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49.833	132.835
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50.167	132.832
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50.667	132.828
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51.000	132.826
51.167	132.825
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51.833	132.821
52.000	132.820
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52.333	132.818
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52.667	132.816
52.833	132.815
53.000	132.814
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53.333	132.813
53.500	132.813
53.667	132.813

Deberry Engineers, Inc.  
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53.833	132.812
54.000	132.811
54.167	132.810
54.333	132.810
54.500	132.809
54.667	132.808
54.833	132.807
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55.167	132.806
55.333	132.805
55.500	132.804
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55.833	132.803
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56.667	132.798
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70.833	132.760
71.000	132.760
71.167	132.759
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71.667	132.759
71.833	132.758
72.000	132.758
72.167	132.758
72.333	132.757
72.500	132.757
72.667	132.757
72.833	132.757
73.000	132.756
73.167	132.756
73.333	132.756
73.500	132.756
73.667	132.755
73.833	132.755
74.000	132.755
74.167	132.754
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74.833	132.753
75.000	132.753
75.167	132.753
75.333	132.753
75.500	132.752
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76.833	132.750
77.000	132.750
77.167	132.750
77.333	132.750
77.500	132.750
77.667	132.749
77.833	132.749
78.000	132.749

78.167	132.749
78.333	132.748
78.500	132.748
78.667	132.748
79.000	132.748
79.167	132.747
79.333	132.747
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85.167	132.740
85.333	132.740
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85.833	132.740
86.000	132.740
86.167	132.739
86.333	132.739
86.500	132.739
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86.833	132.739
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87.167	132.738
87.333	132.738
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89.500	132.736
89.667	132.736
89.833	132.736
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90.167	132.736

90.333	132.735
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90.833	132.735
91.000	132.735
91.167	132.735
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91.833	132.734
92.000	132.734
92.167	132.734
92.333	132.734
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94.167	132.732
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96.833	132.730
97.000	132.730
97.167	132.730
97.333	132.730
97.500	132.729
97.667	132.729
97.833	132.729
98.000	132.729
98.167	132.729
98.333	132.729
98.500	132.729
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98.833	132.729
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101.167	132.727
101.333	132.727
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101.667	132.727
101.833	132.727
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102.167	132.726
102.333	132.726

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102.833	132.726
103.000	132.726
103.167	132.726
103.333	132.726
103.500	132.726
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111.167	132.726
111.333	132.726
111.500	132.726
111.667	132.726
111.833	132.726
112.000	132.726
112.167	132.726
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112.500	132.726
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112.833	132.726
113.000	132.726
113.167	132.726
113.333	132.726
113.500	132.726
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113.833	132.726
114.000	132.726
114.167	132.726
114.333	132.726
114.500	132.726

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114.833	132.719
115.000	132.719
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115.833	132.719
116.000	132.719
116.167	132.719
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116.833	132.719
117.000	132.719
117.167	132.719
117.333	132.719
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117.667	132.719
117.833	132.719
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118.167	132.719
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120.833	132.719
121.000	132.719
121.167	132.719
121.333	132.719
121.500	132.719
121.667	132.719
121.833	132.719
122.000	132.719
122.167	132.719
122.333	132.719
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122.667	132.719
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123.000	132.719
123.167	132.719
123.333	132.719
123.500	132.719
123.667	132.719
123.833	132.719
124.000	132.719
124.167	132.719
124.333	132.719
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124.833	132.719
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125.667	132.719
125.833	132.719
126.000	132.719
126.167	132.719
126.333	132.719
126.500	132.719
126.667	132.719

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127.167	132.713
127.333	132.713
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132.833	132.711
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133.167	132.711
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137.167	132.710
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137.833	132.709
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138.167	132.709
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138.667	132.709
138.833	132.709

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139.167	132.709
139.333	132.709
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139.833	132.709
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140.167	132.708
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141.167	132.708
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141.833	132.708
142.000	132.708
142.167	132.708
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142.500	132.708
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150.167	132.705
150.333	132.705
150.500	132.705
150.667	132.705
150.833	132.705
151.000	132.705

151.167	132.705
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159.833	132.703
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162.000	132.702
162.167	132.702
162.333	132.702
162.500	132.702
162.667	132.702
162.833	132.702
163.000	132.702
163.167	132.702

163.333	132.702
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163.833	132.702
164.000	132.701
164.167	132.701
164.333	132.701
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165.167	132.701
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166.833	132.701
167.000	132.701
167.167	132.701
167.333	132.701
167.500	132.701
167.667	132.701
167.833	132.701
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169.000	132.700
169.167	132.700
169.333	132.700
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169.667	132.700
169.833	132.700
170.000	132.700
170.167	132.700
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170.833	132.700
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171.167	132.700
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174.167	132.699
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174.500	132.699
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174.833	132.699
175.000	132.699
175.167	132.699
175.333	132.699

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175.500	132.699
175.667	132.699
175.833	132.699
176.000	132.699
176.167	132.699
176.333	132.699
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176.667	132.699
176.833	132.699
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178.833	132.698
179.000	132.698
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185.333	132.697
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185.833	132.697
186.000	132.697
186.167	132.697
186.333	132.697
186.500	132.696
186.667	132.696
186.833	132.696
187.000	132.696
187.167	132.696
187.333	132.696
187.500	132.696

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Duckberry Engineers, Inc.  
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187.667	132.696
187.833	132.696
188.000	132.696
188.167	132.696
188.333	132.696
188.500	132.696
188.667	132.696
188.833	132.696
189.000	132.696
189.167	132.696
189.333	132.696
189.500	132.696
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189.833	132.696
190.000	132.696
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192.167	132.695
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192.833	132.695
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197.667	132.694
197.833	132.694
198.000	132.694
198.167	132.694
198.333	132.694
198.500	132.694
198.667	132.694
198.833	132.694
199.000	132.694
199.167	132.694
199.333	132.694
199.500	132.694
199.667	132.694

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Duckberry Engineers, Inc.  
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Existing Polk City Model (Basins 5-8)  
 CR 577 Widening  
 Complete Input Report

Time (hrs)	Stage (ft)	Node: NH8000	Type: Stage
199.833	132.694		
200.000	132.694		
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Name: 257124hr		Node: NH8000	Type: Stage
-----			
0.000	132.300		
0.167	132.299		
0.333	132.298		
0.500	132.297		
0.667	132.296		
0.833	132.296		
1.000	132.295		
1.167	132.294		
1.333	132.293		
1.500	132.292		
1.667	132.292		
1.833	132.292		
2.000	132.291		
2.167	132.291		
2.333	132.292		
2.500	132.292		
2.667	132.292		
2.833	132.293		
3.000	132.293		
3.167	132.294		
3.333	132.294		
3.500	132.295		
3.667	132.296		
3.833	132.297		
4.000	132.298		
4.167	132.299		
4.333	132.300		
4.500	132.301		
4.667	132.302		
4.833	132.304		
5.000	132.306		
5.167	132.306		
5.333	132.309		
5.500	132.311		
5.667	132.312		
5.833	132.314		
6.000	132.316		
6.167	132.316		
6.333	132.317		
6.500	132.319		
6.667	132.321		
6.833	132.322		
7.000	132.325		
7.167	132.326		
7.333	132.329		
7.500	132.331		
7.667	132.333		
7.833	132.335		
8.000	132.338		
8.167	132.340		
8.333	132.342		
8.500	132.345		
8.667	132.348		
8.833	132.348		
9.000	132.350		
9.167	132.353		
9.333	132.359		
9.500	132.362		
9.667	132.366		
9.833	132.369		
10.000	132.373		
10.167	132.376		
10.333	132.380		
10.500	132.384		
10.667	132.389		

Deberry Engineers, Inc.  
 01/23/2023

Existing Polk City Model (Basins 5-8)  
 CR 577 Widening  
 Complete Input Report

10.833	132.393		
11.000	132.398		
11.167	132.404		
11.333	132.410		
11.500	132.415		
11.667	132.423		
11.833	132.433		
12.000	132.447		
12.167	132.467		
12.333	132.494		
12.500	132.526		
12.667	132.526		
12.833	132.559		
13.000	132.591		
13.167	132.620		
13.333	132.645		
13.500	132.668		
13.667	132.708		
13.834	132.725		
14.000	132.740		
14.167	132.754		
14.333	132.767		
14.500	132.778		
14.667	132.789		
14.834	132.799		
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15.167	132.817		
15.333	132.825		
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15.667	132.840		
15.834	132.847		
16.000	132.853		
16.167	132.859		
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16.667	132.873		
16.834	132.877		
17.000	132.881		
17.167	132.885		
17.333	132.889		
17.500	132.892		
17.667	132.895		
17.833	132.898		
18.000	132.901		
18.167	132.904		
18.334	132.907		
18.500	132.909		
18.667	132.912		
18.833	132.915		
19.000	132.918		
19.167	132.920		
19.333	132.922		
19.500	132.925		
19.667	132.928		
19.833	132.930		
20.000	132.933		
20.167	132.935		
20.333	132.937		
20.500	132.940		
20.667	132.942		
20.833	132.944		
21.000	132.946		
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21.667	132.955		
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22.167	132.961		
22.333	132.963		
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22.667	132.967		
22.833	132.968		

Deberry Engineers, Inc.  
 01/23/2023

23.000	132.970
23.167	132.972
23.333	132.974
23.500	132.976
23.667	132.978
23.833	132.980
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24.167	132.983
24.333	132.985
24.500	132.986
24.667	132.987
24.833	132.988
25.000	132.989
25.167	132.990
25.333	132.991
25.500	132.992
25.667	132.993
25.833	132.994
26.000	132.994
26.167	132.994
26.333	132.995
26.500	132.995
26.667	132.995
26.833	132.996
27.000	132.996
27.167	132.996
27.333	132.997
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27.667	132.997
27.833	132.997
28.000	132.998
28.167	132.998
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28.833	132.998
29.000	132.999
29.167	132.999
29.333	132.999
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30.167	133.000
30.333	133.000
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31.167	133.000
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34.167	133.001
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35.000	133.001

Deberry Engineers, Inc.  
 01/23/2023

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47.167	132.994

Deberry Engineers, Inc.  
 01/23/2023



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157.667	132.885
157.833	132.884
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164.167	132.877
164.333	132.877
164.500	132.877
164.667	132.876
164.833	132.876
165.000	132.876
165.167	132.876
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165.500	132.875
165.667	132.875
165.833	132.875
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166.167	132.875
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166.833	132.874
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167.833	132.873
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168.333	132.872
168.500	132.872
168.667	132.872
168.833	132.872

169.000	132.871
169.167	132.871
169.333	132.871
169.500	132.871
169.667	132.871
170.000	132.870
170.167	132.870
170.333	132.870
170.500	132.870
170.667	132.869
170.833	132.869
171.000	132.869
171.167	132.869
171.333	132.868
171.500	132.868
171.667	132.868
171.833	132.868
172.000	132.868
172.167	132.868
172.333	132.867
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173.167	132.866
173.333	132.866
173.500	132.866
173.667	132.866
173.833	132.866
174.000	132.865
174.167	132.865
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174.500	132.865
174.667	132.865
174.833	132.864
175.000	132.864
175.167	132.864
175.333	132.864
175.500	132.864
175.667	132.864
175.833	132.863
176.000	132.863
176.167	132.863
176.333	132.863
176.500	132.863
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177.500	132.861
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178.167	132.861
178.333	132.860
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178.833	132.860
179.000	132.860
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179.833	132.859
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180.167	132.858
180.333	132.858
180.500	132.858
180.667	132.858
180.833	132.857
181.000	132.857

181.167	132.857
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181.667	132.856
181.833	132.856
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182.167	132.856
182.333	132.856
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182.833	132.855
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183.167	132.855
183.333	132.854
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183.833	132.854
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184.167	132.853
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184.667	132.853
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185.167	132.852
185.333	132.852
185.500	132.852
185.667	132.852
185.833	132.851
186.000	132.851
186.167	132.851
186.333	132.851
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186.667	132.851
186.833	132.850
187.000	132.850
187.167	132.850
187.333	132.850
187.500	132.849
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189.167	132.848
189.333	132.847
189.500	132.847
189.667	132.847
189.833	132.847
190.000	132.847
190.167	132.846
190.333	132.846
190.500	132.846
190.667	132.846
190.833	132.846
191.000	132.845
191.167	132.845
191.333	132.845
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191.667	132.845
191.833	132.844
192.000	132.844
192.167	132.844
192.333	132.844
192.500	132.844
192.667	132.844
192.833	132.843
193.000	132.843
193.167	132.843

Time (hrs)	Stage (ft)	Node: NH8000	Type: Stage
193.333	132.843		
193.500	132.842		
193.667	132.842		
193.833	132.842		
194.000	132.842		
194.167	132.842		
194.333	132.842		
194.500	132.841		
194.667	132.841		
194.833	132.841		
195.000	132.841		
195.167	132.841		
195.333	132.840		
195.500	132.840		
195.667	132.840		
195.833	132.840		
196.000	132.839		
196.167	132.839		
196.333	132.839		
196.500	132.839		
196.667	132.839		
196.833	132.839		
197.000	132.838		
197.167	132.838		
197.333	132.838		
197.500	132.838		
197.667	132.838		
197.833	132.837		
198.000	132.837		
198.167	132.837		
198.333	132.837		
198.500	132.837		
198.667	132.836		
198.833	132.836		
199.000	132.836		
199.167	132.836		
199.333	132.836		
199.500	132.835		
199.667	132.835		
199.833	132.835		
200.000	132.835		

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4.333	132.310		
4.500	132.311		
4.667	132.312		
4.833	132.312		
5.000	132.312		
5.167	132.312		
5.333	132.321		
5.500	132.322		
5.667	132.326		
5.833	132.328		
6.000	132.330		
6.167	132.333		
6.333	132.335		
6.500	132.338		
6.667	132.340		
6.833	132.342		
7.000	132.348		
7.167	132.351		
7.333	132.354		
7.500	132.357		
7.667	132.360		
7.833	132.363		
8.000	132.367		
8.167	132.370		
8.333	132.372		
8.500	132.373		
8.667	132.377		
8.833	132.381		
9.000	132.384		
9.167	132.389		
9.333	132.393		
9.500	132.397		
9.667	132.401		
9.833	132.406		
10.000	132.411		
10.167	132.416		
10.333	132.421		
10.500	132.427		
10.667	132.432		
10.833	132.438		
11.000	132.445		
11.167	132.452		
11.333	132.460		
11.500	132.468		
11.667	132.478		
11.833	132.491		
12.000	132.510		
12.167	132.537		
12.333	132.574		
12.500	132.618		
12.667	132.660		
12.833	132.702		
13.000	132.744		
13.167	132.775		
13.333	132.805		
13.500	132.832		
13.667	132.857		
13.833	132.880		
14.000	132.900		
14.167	132.919		
14.333	132.936		
14.500	132.952		
14.667	132.961		
14.833	132.969		
15.000	132.983		
15.167	133.004		
15.333	133.015		
15.500	133.025		
15.667	133.035		
15.833	133.044		
16.000	133.052		
16.167	133.059		
16.333	133.066		

Deberry Engineers, Inc.  
 01/23/2023

16.500	133.073
16.667	133.079
16.833	133.084
17.000	133.090
17.167	133.096
17.334	133.100
17.500	133.104
17.667	133.109
17.834	133.113
18.000	133.117
18.167	133.121
18.334	133.124
18.500	133.128
18.667	133.132
18.834	133.135
19.000	133.139
19.167	133.142
19.334	133.144
19.500	133.148
19.667	133.152
19.834	133.155
20.000	133.158
20.167	133.161
20.334	133.164
20.500	133.167
20.667	133.170
20.833	133.172
21.000	133.175
21.167	133.178
21.333	133.181
21.500	133.183
21.667	133.186
21.834	133.188
22.000	133.191
22.167	133.193
22.334	133.196
22.500	133.199
22.667	133.201
22.833	133.204
23.000	133.206
23.167	133.208
23.334	133.210
23.500	133.212
23.667	133.215
23.834	133.217
24.000	133.219
24.167	133.221
24.334	133.223
24.500	133.225
24.667	133.228
24.834	133.228
25.000	133.228
25.167	133.228
25.333	133.231
25.500	133.231
25.667	133.232
25.834	133.233
26.000	133.233
26.167	133.234
26.333	133.234
26.500	133.235
26.667	133.235
26.833	133.235
27.000	133.235
27.167	133.235
27.334	133.236
27.500	133.236
27.667	133.236
27.833	133.236
28.000	133.236
28.167	133.236
28.333	133.237
28.500	133.237

Deberry Engineers, Inc.  
 01/23/2023

28.667	133.237
28.833	133.237
29.000	133.237
29.167	133.237
29.333	133.237
29.500	133.237
29.667	133.237
29.834	133.237
30.000	133.237
30.167	133.237
30.333	133.237
30.500	133.237
30.667	133.237
30.834	133.237
31.000	133.237
31.167	133.237
31.333	133.237
31.500	133.237
31.667	133.237
31.833	133.237
32.000	133.237
32.167	133.237
32.333	133.237
32.500	133.237
32.667	133.237
32.833	133.237
33.000	133.237
33.167	133.237
33.333	133.236
33.500	133.236
33.667	133.236
33.833	133.236
34.000	133.236
34.167	133.236
34.333	133.236
34.500	133.236
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34.833	133.236
35.000	133.236
35.167	133.236
35.333	133.235
35.500	133.235
35.667	133.235
35.833	133.235
36.000	133.235
36.167	133.235
36.333	133.235
36.500	133.235
36.667	133.234
36.833	133.234
37.000	133.234
37.167	133.234
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37.500	133.234
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37.833	133.233
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38.167	133.233
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38.500	133.232
38.667	133.232
38.833	133.232
39.000	133.232
39.167	133.232
39.333	133.231
39.500	133.231
39.667	133.231
39.833	133.231
40.000	133.230
40.167	133.230
40.333	133.230
40.500	133.230
40.667	133.230

Deberry Engineers, Inc.  
 01/23/2023



40.833	133.229
41.000	133.229
41.167	133.229
41.333	133.229
41.500	133.229
41.667	133.228
41.833	133.228
42.000	133.227
42.167	133.227
42.333	133.227
42.500	133.227
42.667	133.227
42.833	133.226
43.000	133.226
43.167	133.226
43.333	133.226
43.500	133.225
43.667	133.225
43.833	133.225
44.000	133.225
44.167	133.224
44.333	133.224
44.500	133.224
44.667	133.224
44.833	133.223
45.000	133.223
45.167	133.223
45.333	133.223
45.500	133.222
45.667	133.222
45.833	133.222
46.000	133.221
46.167	133.221
46.333	133.221
46.500	133.221
46.667	133.220
46.833	133.220
47.000	133.220
47.167	133.219
47.333	133.219
47.500	133.219
47.667	133.218
47.833	133.218
48.000	133.218
48.167	133.218
48.333	133.218
48.500	133.217
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48.833	133.217
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49.500	133.216
49.667	133.215
49.833	133.215
50.000	133.215
50.167	133.215
50.333	133.215
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50.833	133.214
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51.333	133.213
51.500	133.212
51.667	133.212
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53.000	133.210

53.000	133.210
53.167	133.210
53.333	133.209
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53.833	133.209
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54.167	133.208
54.333	133.208
54.500	133.207
54.667	133.207
54.833	133.207
55.000	133.207
55.167	133.206
55.333	133.206
55.500	133.206
55.667	133.205
55.833	133.205
56.000	133.205
56.167	133.205
56.333	133.204
56.500	133.204
56.667	133.204
56.833	133.204
57.000	133.203
57.167	133.203
57.333	133.203
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58.167	133.201
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61.333	133.196
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61.667	133.196
61.833	133.195
62.000	133.195
62.167	133.195
62.333	133.195
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62.667	133.194
62.833	133.194
63.000	133.194
63.167	133.193
63.333	133.193
63.500	133.193
63.667	133.192
63.833	133.192
64.000	133.192
64.167	133.192
64.333	133.191
64.500	133.191
64.667	133.191
64.833	133.191
65.000	133.190

65.167	133.190
65.333	133.190
65.500	133.189
65.667	133.189
65.833	133.189
66.000	133.189
66.167	133.188
66.333	133.188
66.500	133.188
66.667	133.188
66.833	133.187
67.000	133.187
67.167	133.186
67.333	133.186
67.500	133.186
67.667	133.186
67.833	133.185
68.000	133.185
68.167	133.185
68.333	133.185
68.500	133.185
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70.833	133.181
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71.167	133.180
71.333	133.180
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71.667	133.179
71.833	133.179
72.000	133.179
72.167	133.178
72.333	133.178
72.500	133.178
72.667	133.178
72.833	133.178
73.000	133.177
73.167	133.177
73.333	133.177
73.500	133.177
73.667	133.176
73.833	133.176
74.000	133.176
74.167	133.175
74.333	133.175
74.500	133.175
74.667	133.175
74.833	133.174
75.000	133.174
75.167	133.174
75.333	133.174
75.500	133.173
75.667	133.173
75.833	133.173
76.000	133.172
76.167	133.172
76.333	133.172
76.500	133.172
76.667	133.171
76.833	133.171
77.000	133.171
77.167	133.171

Deberry Engineers, Inc.  
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77.333	133.170
77.500	133.170
77.667	133.170
77.833	133.170
78.000	133.169
78.167	133.169
78.333	133.169
78.500	133.168
78.667	133.168
78.833	133.168
79.000	133.168
79.167	133.167
79.333	133.167
79.500	133.167
79.667	133.167
79.833	133.166
80.000	133.166
80.167	133.166
80.333	133.166
80.500	133.165
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81.333	133.164
81.500	133.164
81.667	133.163
81.833	133.163
82.000	133.163
82.167	133.163
82.333	133.162
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82.667	133.162
82.833	133.162
83.000	133.161
83.167	133.161
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83.833	133.160
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84.167	133.159
84.333	133.159
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84.833	133.158
85.000	133.158
85.167	133.158
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86.167	133.156
86.333	133.156
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87.167	133.155
87.333	133.154
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87.667	133.154
87.833	133.153
88.000	133.153
88.167	133.153
88.333	133.153
88.500	133.153
88.667	133.152
88.833	133.152
89.000	133.152
89.167	133.151
89.333	133.151

Deberry Engineers, Inc.  
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89,500	133.151
89,667	133.151
89,833	133.150
90,000	133.150
90,167	133.150
90,333	133.150
90,500	133.149
90,667	133.149
90,833	133.149
91,000	133.148
91,167	133.148
91,333	133.148
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91,833	133.147
92,000	133.147
92,167	133.147
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92,667	133.146
92,833	133.146
93,000	133.145
93,167	133.145
93,333	133.145
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93,833	133.144
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94,833	133.143
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100,833	133.133
101,000	133.133
101,167	133.133
101,333	133.133
101,500	133.132
101,667	133.132

Deberry Engineers, Inc.  
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101,667	133.132
101,833	133.132
102,000	133.131
102,167	133.131
102,333	133.131
102,500	133.131
102,667	133.130
102,833	133.130
103,000	133.130
103,167	133.129
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104,167	133.128
104,333	133.128
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105,167	133.126
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105,500	133.126
105,667	133.126
105,833	133.125
106,000	133.125
106,167	133.125
106,333	133.125
106,500	133.124
106,667	133.124
106,833	133.124
107,000	133.123
107,167	133.123
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108,667	133.121
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111,167	133.117
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112,833	133.114
113,000	133.114
113,167	133.114
113,333	133.114
113,500	133.113
113,667	133.113

Deberry Engineers, Inc.  
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113.833	133.113
114.000	133.113
114.167	133.112
114.333	133.112
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118.167	133.106
118.333	133.106
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149.833	133.058
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150.167	133.058

Deberry Engineers, Inc.  
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150.333	133.057
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150.667	133.057
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161.500	133.041
161.667	133.041
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162.000	133.040
162.167	133.040
162.333	133.040

Deberry Engineers, Inc.  
 01/23/2023

152.500	133.039
152.667	133.039
152.833	133.039
153.000	133.039
153.167	133.038
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154.167	133.037
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154.833	133.036
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161.167	133.026
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161.667	133.026
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164.333	133.022
164.500	133.022

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175.167	133.021
175.333	133.021
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177.167	133.018
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178.167	133.016
178.333	133.016
178.500	133.016
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186.167	133.005
186.333	133.005
186.500	133.004
186.667	133.004

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187.167	133.003
187.333	133.003
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189.167	133.000
189.333	133.000
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190.167	132.999
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190.833	132.998
191.000	132.998
191.167	132.998
191.333	132.997
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192.000	132.996
192.167	132.996
192.333	132.996
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192.667	132.995
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194.167	132.993
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194.500	132.993
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197.667	132.988
197.833	132.988
198.000	132.988
198.167	132.988
198.333	132.987
198.500	132.987
198.667	132.987
198.833	132.987

199.000	132.986
199.167	132.986
199.333	132.986
199.500	132.986
199.667	132.985
199.833	132.985
200.000	132.985

Name: 100yr24hr	Node: NO14000	Type: Stage
Time (hrs)	Stage (ft)	
0.000	132.410	
0.167	132.410	
0.333	132.410	
0.500	132.410	
0.667	132.410	
0.833	132.410	
1.000	132.410	
1.167	132.411	
1.333	132.411	
1.500	132.412	
1.667	132.414	
1.833	132.415	
2.000	132.417	
2.167	132.418	
2.333	132.420	
2.500	132.422	
2.667	132.424	
2.833	132.427	
3.000	132.429	
3.167	132.431	
3.333	132.433	
3.500	132.436	
3.667	132.438	
3.833	132.441	
4.000	132.444	
4.167	132.446	
4.333	132.449	
4.500	132.452	
4.667	132.455	
4.833	132.457	
5.000	132.460	
5.167	132.463	
5.333	132.466	
5.500	132.469	
5.667	132.473	
5.833	132.476	
6.000	132.479	
6.167	132.482	
6.333	132.485	
6.500	132.488	
6.667	132.492	
6.833	132.496	
7.000	132.499	
7.167	132.503	
7.333	132.507	
7.500	132.511	
7.667	132.515	
7.833	132.519	
8.000	132.523	
8.167	132.527	
8.333	132.531	
8.500	132.536	
8.667	132.541	
8.834	132.546	
9.000	132.551	
9.167	132.556	
9.333	132.561	
9.500	132.567	
9.667	132.573	
9.833	132.579	

10.000	132.5885
10.167	132.591
10.333	132.598
10.500	132.605
10.667	132.611
10.833	132.621
11.000	132.630
11.167	132.640
11.333	132.650
11.500	132.661
11.667	132.674
11.833	132.695
12.000	132.728
12.167	132.778
12.333	132.837
12.500	132.897
12.667	132.951
12.833	133.031
13.000	133.059
13.167	133.081
13.333	133.098
13.500	133.111
13.667	133.121
13.834	133.128
14.000	133.132
14.167	133.134
14.333	133.135
14.500	133.135
14.667	133.147
14.833	133.156
15.000	133.164
15.167	133.171
15.333	133.178
15.500	133.183
15.667	133.188
15.833	133.193
16.000	133.197
16.167	133.201
16.333	133.202
16.500	133.203
16.667	133.212
16.833	133.215
17.000	133.218
17.167	133.220
17.334	133.223
17.500	133.225
17.667	133.227
17.834	133.229
18.000	133.231
18.167	133.232
18.334	133.232
18.500	133.232
18.667	133.238
18.834	133.239
19.000	133.239
19.167	133.240
19.334	133.241
19.500	133.243
19.667	133.244
19.834	133.245
20.000	133.245
20.167	133.246
20.334	133.247
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21.167	133.249
21.333	133.250
21.500	133.250
21.667	133.250
21.834	133.250
22.000	133.250

22.167	133.251
22.334	133.251
22.500	133.251
22.667	133.251
22.833	133.251
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23.167	133.251
23.334	133.251
23.500	133.251
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24.167	133.250
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24.833	133.248
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25.167	133.241
25.333	133.238
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25.667	133.234
25.834	133.231
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26.167	133.226
26.333	133.223
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28.167	133.192
28.333	133.189
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28.667	133.184
28.833	133.181
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29.167	133.175
29.334	133.172
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29.667	133.167
29.834	133.164
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30.167	133.159
30.333	133.156
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30.667	133.151
30.833	133.148
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31.167	133.143
31.334	133.140
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31.833	133.132
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32.167	133.127
32.333	133.124
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32.667	133.119
32.833	133.116
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33.167	133.111
33.333	133.109
33.500	133.106
33.667	133.103
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34.167	133.096



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35.333	133.076
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40.333	133.003
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40.833	132.996
41.000	132.994
41.167	132.992
41.333	132.990
41.500	132.988
41.667	132.985
41.833	132.983
42.000	132.981
42.167	132.979
42.333	132.977
42.500	132.975
42.667	132.972
42.833	132.970
43.000	132.968
43.167	132.966
43.333	132.964
43.500	132.962
43.667	132.960
43.833	132.958
44.000	132.956
44.167	132.954
44.333	132.952
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45.167	132.941
45.333	132.939
45.500	132.937
45.667	132.936
45.833	132.934
46.000	132.932
46.167	132.930

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46.667	132.928
46.833	132.926
47.000	132.924
47.167	132.922
47.333	132.920
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47.667	132.916
47.833	132.914
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48.167	132.911
48.333	132.909
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48.667	132.905
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49.167	132.899
49.333	132.896
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49.667	132.892
49.833	132.891
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50.167	132.887
50.333	132.885
50.500	132.882
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52.000	132.866
52.167	132.864
52.333	132.862
52.500	132.861
52.667	132.859
52.833	132.857
53.000	132.855
53.167	132.853
53.333	132.851
53.500	132.849
53.667	132.847
53.833	132.845
54.000	132.843
54.167	132.841
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Name: 100yr5day Node: NH8000 Type: Stage  
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 Time (hrs) Stage (ft)  
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 0.167 132.299  
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 0.500 132.297  
 0.667 132.296  
 0.833 132.296  
 1.000 132.295  
 1.167 132.294  
 1.333 132.293  
 1.500 132.292  
 1.667 132.292  
 1.833 132.291  
 2.000 132.290  
 2.167 132.289  
 2.333 132.289  
 2.500 132.288  
 2.667 132.287  
 2.833 132.287  
 3.000 132.287  
 3.167 132.286  
 3.333 132.286

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3.667	132.286
3.833	132.286
4.000	132.286
4.167	132.286
4.333	132.286
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8.000	132.292
8.167	132.292
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8.500	132.293
8.667	132.294
8.833	132.294
9.000	132.295
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10.500	132.299
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15.167	132.318
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19.333	132.337
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22.000	132.352
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22.833	132.356
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24.833	132.369
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27.000	132.397
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197.167	133.324
197.333	133.324
197.500	133.323
197.667	133.323
197.833	133.322
198.000	133.322

198.167	133.321
198.333	133.321
198.500	133.320
198.667	133.320
199.000	133.319
199.167	133.318
199.333	133.318
199.500	133.317
199.667	133.317
199.833	133.316
200.000	133.316

Name: 100yz5day

Node: NOI4000

Type: Stage

Time(hrs)	Stage(ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.410
1.500	132.410
1.667	132.410
1.833	132.410
2.000	132.410
2.167	132.411
2.333	132.411
2.500	132.411
2.667	132.411
2.833	132.412
3.000	132.412
3.167	132.412
3.333	132.413
3.500	132.413
3.667	132.414
3.833	132.414
4.000	132.415
4.167	132.416
4.333	132.417
4.500	132.418
4.667	132.419
4.833	132.419
5.000	132.420
5.167	132.421
5.333	132.422
5.500	132.422
5.667	132.423
5.833	132.424
6.000	132.424
6.167	132.425
6.333	132.426
6.500	132.427
6.667	132.428
6.833	132.429
7.000	132.430
7.167	132.431
7.333	132.432
7.500	132.433
7.667	132.433
7.833	132.434
8.000	132.435
8.167	132.436
8.333	132.437
8.500	132.438
8.667	132.439
8.833	132.440
9.000	132.441
	132.442

Danberry Engineers, Inc.  
 01/23/2023

9.167	132.442
9.333	132.443
9.500	132.444
9.667	132.444
9.833	132.445
10.000	132.445
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18.167	132.487
18.333	132.488
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21.000	132.502
	132.503
	132.504
	132.504

Danberry Engineers, Inc.  
 01/23/2023



21.333	132.505
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21.667	132.507
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33.333	132.663

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37.167	132.721
37.333	132.724
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41.167	132.779
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45.500	132.828

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45.833	132.831
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46.167	132.834
46.333	132.836
46.500	132.837
46.667	132.838
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47.000	132.841
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47.833	132.848
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48.667	132.852
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68.500	133.642
68.667	133.642
68.834	133.639
69.000	133.637
69.167	133.635
69.333	133.632
69.500	133.630
69.667	133.627
69.833	133.624

70.000	133.621
70.167	133.618
70.333	133.614
70.500	133.611
70.667	133.608
70.833	133.605
71.000	133.601
71.167	133.598
71.334	133.594
71.500	133.591
71.667	133.588
71.833	133.585
72.000	133.581
72.167	133.578
72.333	133.575
72.500	133.572
72.667	133.569
72.834	133.566
73.000	133.563
73.167	133.560
73.334	133.557
73.500	133.554
73.667	133.551
73.833	133.548
74.000	133.546
74.167	133.543
74.333	133.541
74.500	133.538
74.667	133.536
74.833	133.534
75.000	133.532
75.167	133.530
75.334	133.528
75.500	133.526
75.667	133.523
75.834	133.521
76.000	133.519
76.167	133.517
76.334	133.515
76.500	133.511
76.667	133.509
76.833	133.507
77.000	133.505
77.167	133.503
77.333	133.501
77.500	133.499
77.667	133.497
77.833	133.495
78.000	133.493
78.167	133.491
78.334	133.489
78.500	133.487
78.667	133.486
78.834	133.484
79.000	133.482
79.167	133.480
79.333	133.478
79.500	133.476
79.667	133.475
79.833	133.473
80.000	133.472
80.167	133.471
80.333	133.469
80.500	133.468
80.667	133.466
80.834	133.464
81.000	133.462
81.167	133.460
81.334	133.459
81.500	133.457
81.667	133.455
81.833	133.453
82.000	133.451

Deberry Engineers, Inc.  
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82.167	133.450
82.333	133.448
82.500	133.446
82.667	133.444
82.833	133.441
83.000	133.439
83.167	133.437
83.334	133.436
83.500	133.436
83.667	133.434
83.834	133.433
84.000	133.431
84.167	133.430
84.333	133.429
84.500	133.428
84.667	133.427
84.833	133.426
85.000	133.424
85.167	133.421
85.333	133.420
85.500	133.419
85.667	133.417
85.834	133.416
86.000	133.415
86.167	133.413
86.334	133.412
86.500	133.411
86.667	133.410
86.833	133.407
87.000	133.406
87.167	133.404
87.334	133.403
87.500	133.402
87.667	133.400
87.834	133.399
88.000	133.398
88.167	133.396
88.334	133.397
88.500	133.395
88.667	133.394
88.833	133.392
89.000	133.390
89.167	133.389
89.333	133.388
89.500	133.387
89.667	133.385
89.833	133.384
90.000	133.384
90.167	133.383
90.334	133.382
90.500	133.381
90.667	133.379
90.833	133.378
91.000	133.377
91.167	133.376
91.333	133.374
91.500	133.373
91.667	133.372
91.833	133.371
92.000	133.370
92.167	133.369
92.333	133.368
92.500	133.366
92.667	133.366
92.834	133.364
93.000	133.363
93.167	133.362
93.334	133.361
93.500	133.359
93.667	133.358
93.833	133.357
94.000	133.356
94.167	133.355

Deberry Engineers, Inc.  
 01/23/2023

94.333	133.354
94.500	133.353
94.667	133.352
94.833	133.351
95.000	133.348
95.167	133.347
95.333	133.346
95.500	133.345
95.667	133.344
95.834	133.342
96.000	133.341
96.167	133.340
96.334	133.338
96.500	133.337
96.667	133.335
96.833	133.333
97.000	133.330
97.167	133.328
97.333	133.326
97.500	133.323
97.667	133.321
97.834	133.318
98.000	133.315
98.167	133.313
98.334	133.310
98.500	133.307
98.667	133.304
98.833	133.301
99.000	133.299
99.167	133.296
99.333	133.293
99.500	133.290
99.667	133.288
99.833	133.285
100.000	133.282
100.167	133.279
100.334	133.276
100.500	133.272
100.667	133.271
100.833	133.268
101.000	133.265
101.167	133.262
101.333	133.260
101.500	133.257
101.667	133.254
101.833	133.252
102.000	133.249
102.167	133.247
102.333	133.244
102.500	133.242
102.667	133.238
102.833	133.236
103.000	133.232
103.167	133.229
103.334	133.231
103.500	133.228
103.667	133.226
103.833	133.223
104.000	133.221
104.167	133.218
104.333	133.215
104.500	133.213
104.667	133.210
104.833	133.208
105.000	133.205
105.167	133.202
105.334	133.200
105.500	133.197
105.667	133.195
105.833	133.192
106.000	133.190
106.167	133.187
106.333	133.184

106.500	133.182
106.667	133.180
106.834	133.177
107.000	133.175
107.167	133.172
107.333	133.170
107.500	133.168
107.667	133.165
107.833	133.163
108.000	133.161
108.167	133.158
108.334	133.156
108.500	133.153
108.667	133.151
108.833	133.149
109.000	133.146
109.167	133.144
109.333	133.141
109.500	133.139
109.667	133.137
109.833	133.134
110.000	133.132
110.167	133.129
110.333	133.127
110.500	133.125
110.667	133.122
110.833	133.120
111.000	133.118
111.167	133.116
111.333	133.113
111.500	133.111
111.667	133.108
111.833	133.106
112.000	133.104
112.167	133.101
112.333	133.099
112.500	133.097
112.667	133.095
112.833	133.093
113.000	133.091
113.167	133.088
113.333	133.086
113.500	133.084
113.667	133.082
113.833	133.080
114.000	133.078
114.167	133.076
114.333	133.074
114.500	133.071
114.667	133.069
114.833	133.067
115.000	133.065
115.167	133.063
115.333	133.061
115.500	133.059
115.667	133.056
115.833	133.054
116.000	133.052
116.167	133.050
116.333	133.048
116.500	133.046
116.667	133.044
116.833	133.042
117.000	133.040
117.167	133.038
117.333	133.035
117.500	133.033
117.667	133.031
117.833	133.030
118.000	133.028
118.167	133.026
118.333	133.024
118.500	133.022

118.667	133.020
118.833	133.018
119.000	133.016
119.167	133.014
119.333	133.012
119.500	133.010
119.667	133.008
119.833	133.006
120.000	133.005
120.167	133.003
120.333	133.001
120.500	132.999
120.667	132.997
120.833	132.995
121.000	132.992
121.167	132.990
121.333	132.988
121.500	132.986
121.667	132.984
121.833	132.982
122.000	132.980
122.167	132.978
122.333	132.976
122.500	132.974
122.667	132.972
122.833	132.969
123.000	132.967
123.167	132.965
123.333	132.963
123.500	132.961
123.667	132.959
123.833	132.957
124.000	132.955
124.167	132.953
124.334	132.951
124.500	132.949
124.667	132.947
124.833	132.945
125.000	132.943
125.167	132.941
125.333	132.939
125.500	132.937
125.667	132.935
125.833	132.933
126.000	132.931
126.167	132.929
126.333	132.927
126.500	132.925
126.667	132.923
126.833	132.921
127.000	132.919
127.167	132.918
127.333	132.916
127.500	132.914
127.667	132.912
127.833	132.910
128.000	132.908
128.167	132.906
128.333	132.905
128.500	132.903
128.667	132.901
128.833	132.899
129.000	132.897
129.167	132.896
129.333	132.894
129.500	132.892
129.667	132.890
129.833	132.888
130.000	132.887
130.167	132.885
130.333	132.883
130.500	132.882
130.667	132.880

130.833	132.878
131.000	132.877
131.167	132.875
131.333	132.873
131.500	132.872
131.667	132.870
131.833	132.868
132.000	132.867
132.167	132.865
132.333	132.864
132.500	132.862
132.667	132.861
132.833	132.859
133.000	132.858
133.167	132.856
133.333	132.855
133.500	132.853
133.667	132.852
133.833	132.850
134.000	132.849
134.167	132.848
134.333	132.846
134.500	132.845
134.667	132.844
134.833	132.842
135.000	132.841
135.167	132.840
135.333	132.838
135.500	132.837
135.667	132.836
135.833	132.835
136.000	132.834
136.167	132.833
136.333	132.831
136.500	132.830
136.667	132.829
136.833	132.828
137.000	132.827
137.167	132.826
137.333	132.825
137.500	132.824
137.667	132.823
137.833	132.822
138.000	132.821
138.167	132.820
138.333	132.819
138.500	132.818
138.667	132.817
138.833	132.816
139.000	132.815
139.167	132.815
139.333	132.814
139.500	132.814
139.667	132.812
139.833	132.811
140.000	132.810
140.167	132.809
140.333	132.809
140.500	132.808
140.667	132.807
140.833	132.806
141.000	132.805
141.167	132.805
141.333	132.804
141.500	132.803
141.667	132.802
141.833	132.802
142.000	132.801
142.167	132.800
142.333	132.800
142.500	132.799
142.667	132.798
142.833	132.797

143.000	132.797
143.167	132.796
143.333	132.796
143.500	132.795
143.667	132.794
143.833	132.793
144.000	132.792
144.167	132.792
144.333	132.791
144.500	132.791
144.667	132.790
144.833	132.789
145.000	132.788
145.167	132.788
145.333	132.787
145.500	132.787
145.667	132.786
146.000	132.785
146.167	132.785
146.333	132.784
146.500	132.784
146.667	132.783
146.833	132.783
147.000	132.782
147.167	132.782
147.333	132.781
147.500	132.781
147.667	132.780
148.000	132.779
148.167	132.779
148.333	132.778
148.500	132.778
148.667	132.777
148.833	132.777
149.000	132.777
149.167	132.776
149.333	132.776
149.500	132.775
149.667	132.775
149.833	132.774
150.000	132.774
150.167	132.774
150.333	132.773
150.500	132.773
150.667	132.772
150.833	132.772
151.000	132.772
151.167	132.771
151.333	132.771
151.500	132.770
151.667	132.770
151.833	132.769
152.000	132.769
152.167	132.768
152.333	132.768
152.500	132.768
152.667	132.767
152.833	132.767
153.000	132.767
153.167	132.766
153.333	132.766
153.500	132.766
153.667	132.765
153.833	132.765
154.000	132.764
154.167	132.764
154.333	132.763
154.500	132.763
154.667	132.763
154.833	132.763
155.000	132.763

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155.167	132.763
155.333	132.762
155.500	132.762
155.667	132.762
155.833	132.761
156.000	132.761
156.167	132.761
156.333	132.760
156.500	132.760
156.667	132.760
156.833	132.760
157.000	132.759
157.167	132.759
157.333	132.759
157.500	132.758
157.667	132.758
158.000	132.757
158.167	132.757
158.333	132.757
158.500	132.757
158.667	132.757
158.833	132.756
159.000	132.756
159.167	132.756
159.333	132.755
159.500	132.755
159.667	132.755
159.833	132.754
160.000	132.754
160.167	132.754
160.333	132.754
160.500	132.753
160.667	132.753
160.833	132.753
161.000	132.753
161.167	132.753
161.333	132.752
161.500	132.752
161.667	132.752
161.833	132.751
162.000	132.751
162.167	132.751
162.333	132.751
162.500	132.751
162.667	132.750
162.833	132.750
163.000	132.750
163.167	132.750
163.333	132.750
163.500	132.749
163.667	132.749
163.833	132.749
164.000	132.749
164.167	132.748
164.333	132.748
164.500	132.748
164.667	132.748
164.833	132.747
165.000	132.747
165.167	132.747
165.333	132.747
165.500	132.746
165.667	132.746
165.833	132.746
166.000	132.746
166.167	132.746
166.333	132.746
166.500	132.745
166.667	132.745
166.833	132.745
167.000	132.745
167.167	132.745

Deberry Engineers, Inc.  
 01/23/2023

167.333	132.744
167.500	132.744
167.667	132.744
167.833	132.744
168.000	132.744
168.167	132.743
168.333	132.743
168.500	132.743
168.667	132.743
168.833	132.743
169.000	132.743
169.167	132.742
169.333	132.742
169.500	132.742
169.667	132.742
169.833	132.741
170.000	132.741
170.167	132.741
170.333	132.741
170.500	132.741
170.667	132.741
170.833	132.741
171.000	132.740
171.167	132.740
171.333	132.740
171.500	132.740
171.667	132.740
171.833	132.739
172.000	132.739
172.167	132.739
172.333	132.739
172.500	132.739
172.667	132.739
172.833	132.739
173.000	132.738
173.167	132.738
173.333	132.738
173.500	132.738
173.667	132.738
173.833	132.738
174.000	132.737
174.167	132.737
174.333	132.737
174.500	132.737
174.667	132.737
174.833	132.737
175.000	132.736
175.167	132.736
175.333	132.736
175.500	132.736
175.667	132.736
175.833	132.736
176.000	132.735
176.167	132.735
176.333	132.735
176.500	132.735
176.667	132.735
176.833	132.735
177.000	132.735
177.167	132.735
177.333	132.735
177.500	132.734
177.667	132.734
177.833	132.734
178.000	132.734
178.167	132.734
178.333	132.734
178.500	132.733
178.667	132.733
178.833	132.733
179.000	132.733
179.167	132.733
179.333	132.733

179.500	132.733
179.667	132.732
179.833	132.732
180.000	132.732
180.167	132.732
180.333	132.732
180.500	132.732
180.667	132.732
180.833	132.732
181.000	132.731
181.167	132.731
181.333	132.731
181.500	132.731
181.667	132.731
181.833	132.731
182.000	132.731
182.167	132.730
182.333	132.730
182.500	132.730
182.667	132.730
182.833	132.730
183.000	132.730
183.167	132.730
183.333	132.730
183.500	132.729
183.667	132.729
183.833	132.729
184.000	132.729
184.167	132.729
184.333	132.729
184.500	132.729
184.667	132.729
184.833	132.729
185.000	132.728
185.167	132.728
185.333	132.728
185.500	132.728
185.667	132.728
185.833	132.728
186.000	132.728
186.167	132.728
186.333	132.727
186.500	132.727
186.667	132.727
186.833	132.727
187.000	132.727
187.167	132.727
187.333	132.727
187.500	132.727
187.667	132.727
187.833	132.726
188.000	132.726
188.167	132.726
188.333	132.726
188.500	132.726
188.667	132.726
188.833	132.726
189.000	132.726
189.167	132.726
189.333	132.726
189.500	132.725
189.667	132.725
189.833	132.725
190.000	132.725
190.167	132.725
190.333	132.725
190.500	132.725
190.667	132.725
190.833	132.725
191.000	132.724
191.167	132.724
191.333	132.724
191.500	132.724

191.667	132.724
191.833	132.724
192.000	132.724
192.167	132.724
192.333	132.724
192.500	132.724
192.667	132.723
192.833	132.723
193.000	132.723
193.167	132.723
193.333	132.723
193.500	132.723
193.667	132.723
193.833	132.723
194.000	132.723
194.167	132.722
194.333	132.722
194.500	132.722
194.667	132.722
194.833	132.722
195.000	132.722
195.167	132.722
195.333	132.722
195.500	132.722
195.667	132.722
195.833	132.722
196.000	132.722
196.167	132.721
196.333	132.721
196.500	132.721
196.667	132.721
196.833	132.721
197.000	132.721
197.167	132.721
197.333	132.721
197.500	132.721
197.667	132.721
197.833	132.721
198.000	132.720
198.167	132.720
198.333	132.720
198.500	132.720
198.667	132.720
198.833	132.720
199.000	132.720
199.167	132.720
199.333	132.720
199.500	132.720
199.667	132.720
199.833	132.719
200.000	132.719

Name: 25yrE24hr

Node: NO14000

Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.411
1.500	132.411
1.667	132.411
1.833	132.412
2.000	132.413
2.167	132.415
2.333	132.416
2.500	132.417

2.667	132.419
2.833	132.420
3.000	132.422
3.167	132.424
3.333	132.427
3.500	132.429
3.667	132.431
3.833	132.431
4.000	132.433
4.167	132.433
4.333	132.437
4.500	132.439
4.667	132.441
4.833	132.443
5.000	132.445
5.167	132.447
5.333	132.450
5.500	132.452
5.667	132.454
5.833	132.457
6.000	132.459
6.167	132.461
6.333	132.464
6.500	132.466
6.667	132.469
6.833	132.472
7.000	132.474
7.167	132.477
7.333	132.480
7.500	132.483
7.667	132.486
7.833	132.489
8.000	132.492
8.167	132.495
8.333	132.498
8.500	132.502
8.667	132.505
8.833	132.509
9.000	132.512
9.167	132.516
9.333	132.520
9.500	132.523
9.667	132.526
9.833	132.533
10.000	132.538
10.167	132.543
10.333	132.548
10.500	132.553
10.667	132.559
10.833	132.565
11.000	132.572
11.167	132.577
11.333	132.582
11.500	132.585
11.667	132.605
11.833	132.621
12.000	132.647
12.167	132.674
12.333	132.708
12.500	132.728
12.667	132.773
12.833	132.813
13.000	132.847
13.167	132.876
13.333	132.908
13.500	132.920
13.667	132.937
13.834	132.952
14.000	132.964
14.167	132.974
14.333	132.982
14.500	132.989
14.667	132.994
14.833	132.997



14.834	132.999
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15.167	133.001
15.334	133.001
15.500	133.001
15.667	132.999
15.834	132.998
16.000	132.997
16.167	132.995
16.333	132.993
16.500	132.992
16.667	132.990
16.834	132.988
17.000	132.986
17.167	132.985
17.333	132.983
17.500	132.981
17.667	132.979
17.833	132.977
18.000	132.976
18.167	132.975
18.334	132.975
18.500	132.975
18.667	132.976
18.833	132.976
19.000	132.977
19.167	132.978
19.333	132.979
19.500	132.980
19.667	132.981
19.833	132.982
20.000	132.983
20.167	132.983
20.333	132.984
20.500	132.985
20.667	132.986
20.833	132.986
21.000	132.987
21.167	132.987
21.333	132.988
21.500	132.989
21.667	132.988
21.833	132.988
22.000	132.988
22.167	132.989
22.333	132.989
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22.667	132.989
22.833	132.989
23.000	132.989
23.167	132.989
23.333	132.989
23.500	132.989
23.667	132.989
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24.000	132.989
24.167	132.989
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24.500	132.988
24.667	132.987
24.833	132.986
25.000	132.986
25.167	132.984
25.333	132.983
25.500	132.979
25.667	132.978
25.833	132.976
26.000	132.974
26.167	132.972
26.333	132.970
26.500	132.968
26.667	132.966
26.833	132.964

Deberry Engineers, Inc.  
 01/23/2023

27.000	132.962
27.167	132.960
27.333	132.958
27.500	132.956
27.667	132.954
27.833	132.952
28.000	132.950
28.167	132.948
28.333	132.946
28.500	132.944
28.667	132.942
28.833	132.940
29.000	132.938
29.167	132.936
29.333	132.934
29.500	132.932
29.667	132.928
29.833	132.927
30.000	132.927
30.167	132.925
30.333	132.923
30.500	132.921
30.667	132.921
30.833	132.919
31.000	132.917
31.167	132.915
31.333	132.913
31.500	132.911
31.667	132.910
31.833	132.910
32.000	132.906
32.167	132.904
32.333	132.902
32.500	132.900
32.667	132.899
32.833	132.897
33.000	132.895
33.167	132.893
33.333	132.892
33.500	132.890
33.667	132.886
33.833	132.882
34.000	132.883
34.167	132.883
34.333	132.881
34.500	132.880
34.667	132.878
34.833	132.876
35.000	132.875
35.167	132.873
35.333	132.871
35.500	132.870
35.667	132.866
35.833	132.862
36.000	132.865
36.167	132.863
36.333	132.862
36.500	132.860
36.667	132.859
36.833	132.857
37.000	132.856
37.167	132.854
37.333	132.853
37.500	132.851
37.667	132.849
37.833	132.847
38.000	132.846
38.167	132.845
38.333	132.843
38.500	132.842
38.667	132.841
38.833	132.839
39.000	132.838

Deberry Engineers, Inc.  
 01/23/2023

39.167	132.837
39.333	132.836
39.500	132.835
39.667	132.833
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40.167	132.831
40.333	132.829
40.500	132.828
40.667	132.827
40.833	132.826
41.000	132.825
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41.333	132.823
41.500	132.822
41.667	132.821
41.833	132.820
42.000	132.819
42.167	132.818
42.333	132.817
42.500	132.816
42.667	132.815
42.833	132.814
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43.167	132.813
43.333	132.812
43.500	132.811
43.667	132.810
43.833	132.810
44.000	132.808
44.167	132.808
44.333	132.807
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44.667	132.805
44.833	132.804
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45.167	132.803
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45.833	132.801
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46.167	132.799
46.333	132.798
46.500	132.797
46.667	132.797
46.833	132.796
47.000	132.795
47.167	132.795
47.333	132.794
47.500	132.793
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48.333	132.790
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49.500	132.786
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56.000	132.768
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58.167	132.764
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60.833	132.759
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62.167	132.757
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62.833	132.756
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73.167	132.742
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74.167	132.741
74.333	132.741
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74.667	132.740
74.833	132.740
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76.167	132.739
76.333	132.739
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79.833	132.735
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84.833	132.731
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92.167	132.726
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96.833	132.723
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161.000	132.700
161.167	132.700
161.333	132.700
161.500	132.700
161.667	132.700
161.833	132.699
162.000	132.699
162.167	132.699
162.333	132.699
162.500	132.699
162.667	132.699
162.833	132.699
163.000	132.699
163.167	132.699
163.333	132.699
163.500	132.699
163.667	132.699
163.833	132.699
164.000	132.699
164.167	132.699
164.333	132.699
164.500	132.699
164.667	132.699
164.833	132.699
165.000	132.699
165.167	132.699
165.333	132.699
165.500	132.699
165.667	132.699
165.833	132.699
166.000	132.699
166.167	132.699
166.333	132.699
166.500	132.698
166.667	132.698
166.833	132.698
167.000	132.698
167.167	132.698
167.333	132.698
167.500	132.698
167.667	132.698
167.833	132.698
168.000	132.698
168.167	132.698
168.333	132.698
168.500	132.698
168.667	132.698
168.833	132.698
169.000	132.698
169.167	132.698
169.333	132.698
169.500	132.698
169.667	132.698
169.833	132.698
170.000	132.698
170.167	132.698
170.333	132.698
170.500	132.698
170.667	132.698
170.833	132.698
171.000	132.697
171.167	132.697
171.333	132.697
171.500	132.697
171.667	132.697
171.833	132.697
172.000	132.697
172.167	132.697
172.333	132.697
172.500	132.697
172.667	132.697
172.833	132.697

Deberry Engineers, Inc.  
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173.000	132.697
173.167	132.697
173.333	132.697
173.500	132.697
173.667	132.697
173.833	132.697
174.000	132.697
174.167	132.697
174.333	132.697
174.500	132.697
174.667	132.697
174.833	132.697
175.000	132.697
175.167	132.697
175.333	132.697
175.500	132.697
175.667	132.696
175.833	132.696
176.000	132.696
176.167	132.696
176.333	132.696
176.500	132.696
176.667	132.696
176.833	132.696
177.000	132.696
177.167	132.696
177.333	132.696
177.500	132.696
177.667	132.696
177.833	132.696
178.000	132.696
178.167	132.696
178.333	132.696
178.500	132.696
178.667	132.696
178.833	132.696
179.000	132.696
179.167	132.696
179.333	132.696
179.500	132.696
179.667	132.696
179.833	132.696
180.000	132.696
180.167	132.696
180.333	132.696
180.500	132.696
180.667	132.696
180.833	132.696
181.000	132.696
181.167	132.695
181.333	132.695
181.500	132.695
181.667	132.695
181.833	132.695
182.000	132.695
182.167	132.695
182.333	132.695
182.500	132.695
182.667	132.695
182.833	132.695
183.000	132.695
183.167	132.695
183.333	132.695
183.500	132.695
183.667	132.695
183.833	132.695
184.000	132.695
184.167	132.695
184.333	132.695
184.500	132.695
184.667	132.695
184.833	132.695
185.000	132.695

Deberry Engineers, Inc.  
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185.167	132.695
185.333	132.695
185.500	132.695
185.667	132.695
185.833	132.695
186.000	132.695
186.167	132.695
186.333	132.695
186.500	132.695
186.667	132.695
186.833	132.695
187.000	132.695
187.167	132.695
187.333	132.695
187.500	132.695
187.667	132.695
187.833	132.695
188.000	132.695
188.167	132.695
188.333	132.695
188.500	132.695
188.667	132.695
188.833	132.695
189.000	132.695
189.167	132.695
189.333	132.695
189.500	132.695
189.667	132.695
189.833	132.695
190.000	132.695
190.167	132.695
190.333	132.695
190.500	132.695
190.667	132.695
190.833	132.695
191.000	132.695
191.167	132.695
191.333	132.695
191.500	132.695
191.667	132.695
191.833	132.695
192.000	132.695
192.167	132.695
192.333	132.695
192.500	132.695
192.667	132.695
192.833	132.695
193.000	132.695
193.167	132.695
193.333	132.695
193.500	132.695
193.667	132.695
193.833	132.695
194.000	132.695
194.167	132.695
194.333	132.695
194.500	132.695
194.667	132.695
194.833	132.695
195.000	132.695
195.167	132.695
195.333	132.695
195.500	132.695
195.667	132.695
195.833	132.695
196.000	132.695
196.167	132.695
196.333	132.695
196.500	132.695
196.667	132.695
196.833	132.695
197.000	132.695
197.167	132.695

197.333	132.693
197.500	132.693
197.667	132.693
197.833	132.693
198.000	132.693
198.167	132.692
198.333	132.692
198.500	132.692
198.667	132.692
198.833	132.692
199.000	132.692
199.167	132.692
199.333	132.692
199.500	132.692
199.667	132.692
199.833	132.692
200.000	132.692

Time (hrs)	Stage (ft)	Node: NH8000	Type: Stage
0.000	132.300		
0.167	132.299		
0.333	132.298		
0.500	132.297		
0.667	132.296		
0.833	132.295		
1.000	132.294		
1.167	132.293		
1.333	132.292		
1.500	132.292		
1.667	132.292		
1.833	132.291		
2.000	132.290		
2.167	132.289		
2.333	132.288		
2.500	132.288		
2.667	132.288		
2.833	132.288		
3.000	132.288		
3.167	132.288		
3.333	132.287		
3.500	132.288		
3.667	132.288		
3.833	132.288		
4.000	132.288		
4.167	132.288		
4.333	132.288		
4.500	132.288		
4.667	132.288		
4.833	132.288		
5.000	132.289		
5.167	132.290		
5.333	132.290		
5.500	132.290		
5.667	132.291		
5.833	132.291		
6.000	132.292		
6.167	132.292		
6.333	132.293		
6.500	132.293		
6.667	132.294		
6.833	132.294		
7.000	132.295		
7.167	132.295		
7.333	132.296		
7.500	132.296		
7.667	132.297		
7.833	132.298		
8.000	132.298		
8.167	132.299		



8.333	132.299
8.500	132.300
8.667	132.301
8.833	132.301
9.000	132.302
9.167	132.303
9.333	132.304
9.500	132.305
9.667	132.305
9.833	132.306
10.000	132.306
10.167	132.307
10.333	132.307
10.500	132.308
10.667	132.309
10.833	132.310
11.000	132.310
11.167	132.311
11.333	132.312
11.500	132.313
11.667	132.314
11.833	132.314
12.000	132.315
12.167	132.316
12.333	132.317
12.500	132.318
12.667	132.318
12.833	132.319
13.000	132.320
13.167	132.321
13.333	132.322
13.500	132.323
13.667	132.323
13.833	132.324
14.000	132.325
14.167	132.326
14.333	132.327
14.500	132.327
14.667	132.328
14.833	132.328
15.000	132.329
15.167	132.331
15.333	132.332
15.500	132.333
15.667	132.334
15.833	132.334
16.000	132.335
16.167	132.336
16.333	132.337
16.500	132.338
16.667	132.339
16.833	132.340
17.000	132.341
17.167	132.342
17.333	132.343
17.500	132.344
17.667	132.345
17.833	132.346
18.000	132.347
18.167	132.348
18.333	132.349
18.500	132.350
18.667	132.351
18.833	132.352
19.000	132.353
19.167	132.354
19.333	132.355
19.500	132.356
19.667	132.357
19.833	132.358
20.000	132.359
20.167	132.360
20.333	132.361

Deberry Engineers, Inc.  
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20.500	132.362
20.667	132.363
20.833	132.364
21.000	132.365
21.167	132.365
21.333	132.366
21.500	132.366
21.667	132.367
21.833	132.370
22.000	132.371
22.167	132.372
22.333	132.373
22.500	132.375
22.667	132.376
22.833	132.376
23.000	132.377
23.167	132.378
23.333	132.380
23.500	132.381
23.667	132.382
23.833	132.383
24.000	132.384
24.167	132.385
24.333	132.386
24.500	132.388
24.667	132.389
24.833	132.391
25.000	132.392
25.167	132.393
25.333	132.397
25.500	132.400
25.667	132.402
25.833	132.405
26.000	132.407
26.167	132.410
26.333	132.413
26.500	132.416
26.667	132.418
26.833	132.421
27.000	132.424
27.167	132.430
27.333	132.433
27.500	132.435
27.667	132.438
27.833	132.441
28.000	132.444
28.167	132.444
28.333	132.447
28.500	132.450
28.667	132.453
28.833	132.456
29.000	132.459
29.167	132.462
29.333	132.465
29.500	132.467
29.667	132.470
29.833	132.473
30.000	132.476
30.167	132.479
30.333	132.483
30.500	132.486
30.667	132.489
30.833	132.492
31.000	132.495
31.167	132.498
31.333	132.500
31.500	132.503
31.667	132.506
31.833	132.509
32.000	132.512
32.167	132.515
32.333	132.518
32.500	132.521

Deberry Engineers, Inc.  
 01/23/2023

32.667	132.524
32.833	132.527
33.000	132.530
33.167	132.533
33.333	132.536
33.500	132.539
33.667	132.542
33.834	132.545
34.000	132.548
34.167	132.551
34.333	132.554
34.500	132.557
34.667	132.560
34.833	132.563
35.000	132.566
35.167	132.569
35.333	132.572
35.500	132.575
35.667	132.578
35.834	132.581
36.000	132.584
36.167	132.586
36.334	132.589
36.500	132.592
36.667	132.595
36.833	132.598
37.000	132.601
37.167	132.604
37.333	132.607
37.500	132.610
37.667	132.613
37.833	132.616
38.000	132.619
38.167	132.622
38.333	132.625
38.500	132.628
38.667	132.631
38.833	132.634
39.000	132.637
39.167	132.640
39.333	132.643
39.500	132.646
39.667	132.648
39.834	132.651
40.000	132.654
40.167	132.657
40.333	132.660
40.500	132.663
40.667	132.666
40.833	132.669
41.000	132.672
41.167	132.675
41.333	132.677
41.500	132.680
41.667	132.683
41.833	132.686
42.000	132.689
42.167	132.692
42.333	132.695
42.500	132.698
42.667	132.701
42.833	132.704
43.000	132.706
43.167	132.709
43.333	132.712
43.500	132.715
43.667	132.718
43.833	132.721
44.000	132.724
44.167	132.727
44.333	132.730
44.500	132.733
44.667	132.736

Deberry Engineers, Inc.  
 01/23/2023

44.833	132.739
45.000	132.742
45.167	132.745
45.333	132.748
45.500	132.751
45.667	132.753
45.833	132.756
46.000	132.759
46.167	132.762
46.333	132.765
46.500	132.768
46.667	132.771
46.833	132.774
47.000	132.777
47.167	132.779
47.333	132.782
47.500	132.785
47.667	132.788
47.834	132.791
48.000	132.794
48.167	132.797
48.333	132.800
48.500	132.803
48.667	132.805
48.833	132.807
49.000	132.809
49.167	132.810
49.333	132.812
49.500	132.814
49.667	132.814
49.833	132.815
50.000	132.816
50.167	132.817
50.333	132.818
50.500	132.819
50.667	132.820
50.833	132.821
51.000	132.822
51.167	132.823
51.333	132.824
51.500	132.825
51.667	132.826
51.833	132.827
52.000	132.828
52.167	132.829
52.333	132.831
52.500	132.832
52.667	132.834
52.833	132.836
53.000	132.838
53.167	132.839
53.333	132.840
53.500	132.842
53.667	132.844
53.833	132.846
54.000	132.848
54.167	132.851
54.333	132.854
54.500	132.856
54.667	132.859
54.833	132.862
55.000	132.865
55.167	132.869
55.333	132.872
55.500	132.875
55.667	132.878
55.833	132.881
56.000	132.884
56.167	132.888
56.333	132.891
56.500	132.893
56.667	132.902
56.834	132.908
57.000	132.913
57.167	132.916

Deberry Engineers, Inc.  
 01/23/2023

Existing Polk City Model (Basins 5-8)  
 CR 577 Widening  
 Complete Input Report

57.000	132.925
57.167	132.932
57.334	132.938
57.500	132.945
57.667	132.952
57.833	132.962
58.000	132.971
58.167	132.980
58.333	132.991
58.500	133.002
58.667	133.014
58.834	133.028
59.000	133.042
59.167	133.058
59.333	133.075
59.500	133.092
59.667	133.112
59.833	133.142
60.000	133.170
60.167	133.200
60.333	133.230
60.500	133.262
60.667	133.292
60.833	133.323
61.000	133.352
61.167	133.382
61.333	133.410
61.500	133.426
61.667	133.448
61.833	133.488
62.000	133.512
62.167	133.534
62.334	133.555
62.500	133.575
62.667	133.593
62.834	133.611
63.000	133.627
63.167	133.643
63.333	133.658
63.500	133.672
63.667	133.697
63.833	133.729
64.000	133.768
64.167	133.719
64.334	133.729
64.500	133.739
64.667	133.747
64.833	133.756
65.000	133.763
65.167	133.770
65.333	133.777
65.500	133.782
65.667	133.788
65.833	133.794
66.000	133.799
66.167	133.804
66.333	133.809
66.500	133.813
66.667	133.817
66.833	133.821
67.000	133.824
67.167	133.828
67.333	133.831
67.500	133.837
67.667	133.840
67.833	133.842
68.000	133.845
68.167	133.847
68.334	133.849
68.500	133.851
68.667	133.851
68.833	133.853
69.000	133.855

Deberry Engineers, Inc.  
 01/23/2023

Existing Polk City Model (Basins 5-8)  
 CR 577 Widening  
 Complete Input Report

69.167	133.856
69.333	133.858
69.500	133.859
69.667	133.860
69.833	133.862
70.000	133.863
70.167	133.863
70.333	133.864
70.500	133.864
70.667	133.864
70.833	133.865
71.000	133.865
71.167	133.866
71.334	133.866
71.500	133.866
71.667	133.866
71.833	133.867
72.000	133.867
72.167	133.868
72.333	133.868
72.500	133.868
72.667	133.869
72.833	133.869
73.000	133.869
73.167	133.869
73.334	133.870
73.500	133.870
73.667	133.871
73.833	133.871
74.000	133.872
74.167	133.872
74.333	133.872
74.500	133.874
74.667	133.874
74.834	133.874
75.000	133.875
75.167	133.876
75.333	133.877
75.500	133.878
75.667	133.879
75.833	133.880
76.000	133.881
76.167	133.882
76.333	133.882
76.500	133.883
76.667	133.884
76.833	133.885
77.000	133.886
77.167	133.887
77.334	133.888
77.500	133.889
77.667	133.890
77.833	133.891
78.000	133.892
78.167	133.893
78.333	133.894
78.500	133.895
78.667	133.896
78.833	133.897
79.000	133.897
79.167	133.898
79.333	133.899
79.500	133.900
79.667	133.901
79.833	133.902
80.000	133.902
80.167	133.904
80.333	133.905
80.500	133.906
80.667	133.907
80.833	133.907
81.000	133.908
81.167	133.909
	133.910

Deberry Engineers, Inc.  
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81.333	133.911
81.500	133.912
81.667	133.913
81.833	133.914
82.000	133.915
82.167	133.916
82.333	133.917
82.500	133.918
82.667	133.919
82.833	133.920
83.000	133.921
83.167	133.922
83.333	133.923
83.500	133.924
83.667	133.925
83.833	133.926
84.000	133.927
84.167	133.928
84.333	133.929
84.500	133.930
84.667	133.931
84.833	133.932
85.000	133.933
85.167	133.934
85.333	133.935
85.500	133.936
85.667	133.937
85.833	133.938
86.000	133.939
86.167	133.940
86.333	133.941
86.500	133.942
86.667	133.943
86.833	133.944
87.000	133.945
87.167	133.946
87.333	133.947
87.500	133.948
87.667	133.949
87.833	133.950
88.000	133.951
88.167	133.952
88.333	133.953
88.500	133.954
88.667	133.955
88.833	133.956
89.000	133.957
89.167	133.958
89.333	133.959
89.500	133.960
89.667	133.961
89.833	133.962
90.000	133.963
90.167	133.964
90.333	133.965
90.500	
90.667	
90.833	
91.000	
91.167	
91.333	
91.500	
91.667	
91.833	
92.000	
92.167	
92.333	
92.500	
92.667	
92.833	
93.000	
93.167	
93.333	

Deberry Engineers, Inc.  
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93.500	133.966
93.667	133.967
93.833	133.968
94.000	133.969
94.167	133.970
94.333	133.971
94.500	133.972
94.667	133.973
94.833	133.974
95.000	133.975
95.167	133.976
95.333	133.977
95.500	133.978
95.667	133.979
95.833	133.980
96.000	133.981
96.167	133.982
96.333	133.983
96.500	133.984
96.667	133.985
96.833	133.986
97.000	133.987
97.167	133.988
97.333	133.989
97.500	133.990
97.667	133.991
97.833	133.992
98.000	133.993
98.167	133.994
98.333	133.995
98.500	133.996
98.667	133.997
98.833	133.998
99.000	133.999
99.167	134.000
99.333	134.001
99.500	134.002
99.667	134.003
99.833	134.004
100.000	134.005
100.167	134.006
100.333	134.007
100.500	134.008
100.667	134.009
100.833	134.010
101.000	134.011
101.167	134.012
101.333	134.013
101.500	134.014
101.667	134.015
101.833	134.016
102.000	134.017
102.167	134.018
102.333	134.019
102.500	134.020
102.667	134.021
102.833	134.022
103.000	134.023
103.167	134.024
103.333	134.025
103.500	134.026
103.667	134.027
103.833	134.028
104.000	134.029
104.167	134.030
104.333	134.031
104.500	134.032
104.667	134.033
104.833	134.034
105.000	134.035
105.167	134.036
105.333	134.037
105.500	134.038

Deberry Engineers, Inc.  
 01/23/2023

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198.667	133.491
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199.500	133.488
199.667	133.487
199.833	133.487
200.000	133.486

Name: 500yr5day Node: NO14000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.410
1.500	132.410
1.667	132.410



1.833	132.410
2.000	132.411
2.167	132.411
2.333	132.411
2.500	132.411
2.667	132.412
2.833	132.413
3.000	132.414
3.167	132.415
3.333	132.416
3.500	132.417
3.667	132.418
3.833	132.419
4.000	132.420
4.167	132.421
4.333	132.422
4.500	132.423
4.667	132.424
4.833	132.425
5.000	132.426
5.167	132.427
5.333	132.428
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5.667	132.430
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6.000	132.432
6.167	132.433
6.333	132.434
6.500	132.435
6.667	132.436
6.833	132.437
7.000	132.438
7.167	132.439
7.333	132.440
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7.667	132.442
7.833	132.443
8.000	132.444
8.167	132.445
8.333	132.446
8.500	132.447
8.667	132.448
8.833	132.449
9.000	132.450
9.167	132.451
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10.000	132.456
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	132.571

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108.833	133.342
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112.667	133.273
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113.667	133.260
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115.833	133.226
116.000	133.221
116.167	133.221
116.333	133.219
116.500	133.216
116.667	133.214
116.833	133.211
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117.333	133.203
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117.833	133.196
118.000	133.192
118.167	133.191
118.333	133.189
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122.167	133.132
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122.667	133.124
122.833	133.122
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123.167	133.117
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180.333	132.742
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180.667	132.741
180.833	132.741
181.000	132.741
181.167	132.741
181.333	132.741
181.500	132.741
181.667	132.740
181.833	132.740
182.000	132.740
182.167	132.740
182.333	132.740
182.500	132.740
182.667	132.739
182.833	132.739
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183.167	132.739
183.333	132.739
183.500	132.739
183.667	132.738
183.833	132.738
184.000	132.738
184.167	132.738

184.333	132.738
184.500	132.738
184.667	132.737
184.833	132.737
185.000	132.737
185.167	132.737
185.333	132.737
185.500	132.737
185.667	132.736
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186.167	132.736
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186.500	132.736
186.667	132.736
186.833	132.735
187.000	132.735
187.167	132.735
187.333	132.735
187.500	132.735
187.667	132.735
187.833	132.735
188.000	132.734
188.167	132.734
188.333	132.734
188.500	132.734
188.667	132.734
188.833	132.734
189.000	132.733
189.167	132.733
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190.167	132.733
190.333	132.732
190.500	132.732
190.667	132.732
190.833	132.732
191.000	132.732
191.167	132.732
191.333	132.732
191.500	132.732
191.667	132.731
191.833	132.731
192.000	132.731
192.167	132.731
192.333	132.731
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195.167	132.729
195.333	132.729
195.500	132.729
195.667	132.729
195.833	132.728
196.000	132.728
196.167	132.728
196.333	132.728



196,500	132,728
196,667	132,728
196,833	132,728
197,000	132,728
197,167	132,727
197,333	132,727
197,500	132,727
197,667	132,727
197,833	132,727
198,000	132,727
198,167	132,727
198,333	132,727
198,500	132,726
198,667	132,726
198,833	132,726
199,000	132,726
199,167	132,726
199,333	132,726
199,500	132,726
199,667	132,726
199,833	132,726
200,000	132,726

Name: 233yr24hr Node: NH8000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132,300
0.167	132,299
0.333	132,298
0.500	132,297
0.667	132,296
0.833	132,295
1.000	132,294
1.167	132,293
1.333	132,292
1.500	132,292
1.667	132,291
1.833	132,291
2.000	132,289
2.167	132,288
2.333	132,288
2.500	132,288
2.667	132,288
2.833	132,287
3.000	132,287
3.167	132,287
3.333	132,287
3.500	132,287
3.667	132,287
3.833	132,286
4.000	132,286
4.167	132,286
4.333	132,288
4.500	132,288
4.667	132,289
4.833	132,289
5.000	132,290
5.167	132,290
5.333	132,291
5.500	132,291
5.667	132,292
5.833	132,292
6.000	132,293
6.167	132,294
6.333	132,295
6.500	132,296
6.667	132,296
6.833	132,297
7.000	132,298
7.167	132,299
7.333	132,300

Deberry Engineers, Inc.  
 01/23/2023

7,500	132,301
7,667	132,302
7,833	132,302
8,000	132,302
8,167	132,302
8,333	132,302
8,500	132,302
8,667	132,308
8,833	132,310
9,000	132,313
9,167	132,314
9,333	132,316
9,500	132,318
9,667	132,318
9,833	132,321
10,000	132,322
10,167	132,322
10,333	132,328
10,500	132,330
10,667	132,332
10,833	132,335
11,000	132,338
11,167	132,341
11,333	132,344
11,500	132,347
11,667	132,352
11,834	132,352
12,000	132,357
12,167	132,362
12,333	132,369
12,500	132,371
12,667	132,431
12,833	132,449
13,000	132,466
13,167	132,481
13,334	132,495
13,500	132,507
13,667	132,518
13,834	132,527
14,000	132,536
14,167	132,541
14,333	132,551
14,500	132,558
14,667	132,564
14,834	132,570
15,000	132,575
15,167	132,580
15,333	132,585
15,500	132,589
15,667	132,593
15,833	132,597
16,000	132,600
16,167	132,607
16,334	132,607
16,500	132,609
16,667	132,612
16,833	132,615
17,000	132,617
17,167	132,619
17,334	132,621
17,500	132,623
17,667	132,625
17,833	132,626
18,000	132,628
18,167	132,628
18,333	132,631
18,500	132,633
18,667	132,634
18,833	132,636
19,000	132,638
19,167	132,639
19,333	132,641
19,500	132,642

Deberry Engineers, Inc.  
 01/23/2023

19.667	132.644
19.833	132.645
20.000	132.647
20.167	132.648
20.333	132.650
20.500	132.651
20.667	132.652
20.833	132.654
21.000	132.655
21.167	132.656
21.333	132.658
21.500	132.659
21.667	132.660
21.833	132.661
22.000	132.662
22.167	132.664
22.333	132.665
22.500	132.666
22.667	132.667
22.833	132.668
23.000	132.669
23.167	132.670
23.333	132.672
23.500	132.673
23.667	132.674
23.833	132.675
24.000	132.676
24.167	132.678
24.333	132.679
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199.333	132.614	
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199.667	132.613	
199.833	132.613	
200.000	132.613	
200.000	132.613	

Name: 233yz24hr Node: NO14000 Type: Stage  
 Time (hrs) Stage (ft)

0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410

0.833	132.410
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1.167	132.410
1.333	132.410
1.500	132.410
1.667	132.410
1.833	132.410
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2.667	132.412
2.833	132.413
3.000	132.413
3.167	132.414
3.333	132.415
3.500	132.417
3.667	132.418
3.833	132.419
4.000	132.419
4.167	132.420
4.333	132.421
4.500	132.422
4.667	132.423
4.833	132.425
5.000	132.426
5.167	132.427
5.333	132.428
5.500	132.430
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6.167	132.435
6.333	132.436
6.500	132.438
6.667	132.439
6.833	132.441
7.000	132.442
7.167	132.444
7.333	132.445
7.500	132.447
7.667	132.449
7.833	132.451
8.000	132.452
8.167	132.454
8.333	132.456
8.500	132.458
8.667	132.460
8.833	132.462
9.000	132.464
9.167	132.466
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9.500	132.469
9.667	132.471
9.833	132.473
10.000	132.476
10.167	132.478
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10.500	132.484
10.667	132.487
10.833	132.490
11.000	132.494
11.167	132.498
11.333	132.502
11.500	132.506
11.667	132.511
11.834	132.517
12.000	132.526
12.167	132.540
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12.500	132.588
12.667	132.614
12.833	132.637
13.000	132.658

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13.000	132.676
13.167	132.691
13.334	132.704
13.500	132.716
13.667	132.728
13.834	132.736
14.000	132.745
14.167	132.752
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14.500	132.765
14.667	132.770
14.834	132.774
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15.167	132.781
15.333	132.784
15.500	132.786
15.667	132.788
15.833	132.791
16.000	132.793
16.167	132.795
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16.500	132.798
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16.833	132.801
17.000	132.803
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17.334	132.805
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24.833	132.820
25.000	132.819

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25.500	132.817
25.667	132.816
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Existing Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
BNDRYW	BASE	100YR24HR	12.90	17.66	0.085	12.90	133.02	0.00	131.00
BNDRYW	BASE	100YR5DAY	61.13	13.34	0.016	61.13	132.98	0.00	131.00
BNDRYW	BASE	10YR24HR	13.33	9.44	0.035	13.33	132.95	0.00	131.00
BNDRYW	BASE	233YR24HR	14.43	3.27	0.006	14.43	132.86	0.00	131.00
BNDRYW	BASE	25YR24HR	13.11	12.64	0.057	13.11	132.98	0.00	131.00
BNDRYW	BASE	500YR5DAY	61.06	15.52	0.020	61.06	133.00	0.00	131.00
BNDRYW	BASE	50YR24HR	12.97	15.90	0.091	12.97	133.00	0.00	131.00
RH8200A	BASE	100YR24HR	28.33	67.11	35.630	28.33	133.24	33.22	133.14
RH8200A	BASE	100YR5DAY	98.33	113.94	35.630	96.50	133.70	96.61	133.47
RH8200A	BASE	10YR24HR	16.83	44.19	35.630	32.50	132.88	35.66	132.84
RH8200A	BASE	233YR24HR	16.33	40.56	35.630	44.83	132.69	47.57	132.65
RH8200A	BASE	25YR24HR	28.00	49.82	35.630	31.83	133.00	35.35	132.94
RH8200A	BASE	500YR5DAY	96.67	143.01	35.630	96.67	133.98	97.36	133.64
RH8200A	BASE	50YR24HR	27.67	59.58	35.630	30.83	133.14	35.69	133.07
RH8200B	BASE	100YR24HR	0.00	0.00	0.000	33.22	133.14	28.33	133.24
RH8200B	BASE	100YR5DAY	0.00	0.00	0.000	96.61	133.47	96.50	133.70
RH8200B	BASE	10YR24HR	0.00	0.00	0.000	35.66	132.84	32.50	132.88
RH8200B	BASE	233YR24HR	0.00	0.00	0.000	47.57	132.65	44.83	132.69
RH8200B	BASE	25YR24HR	0.00	0.00	0.000	35.35	132.94	31.83	133.00
RH8200B	BASE	500YR5DAY	0.00	0.00	0.000	97.36	133.64	96.67	133.98
RH8200B	BASE	50YR24HR	0.00	0.00	0.000	35.69	133.07	30.83	133.14
RH8200C	BASE	100YR24HR	28.33	67.11	35.630	28.33	133.24	33.22	133.14
RH8200C	BASE	100YR5DAY	98.33	113.94	35.630	96.50	133.70	96.61	133.47
RH8200C	BASE	10YR24HR	16.83	44.19	35.630	32.50	132.88	35.66	132.84
RH8200C	BASE	233YR24HR	16.33	40.56	35.630	44.83	132.69	47.57	132.65
RH8200C	BASE	25YR24HR	28.00	49.82	35.630	31.83	133.00	35.35	132.94
RH8200C	BASE	500YR5DAY	96.67	143.01	35.630	96.67	133.98	97.36	133.64
RH8200C	BASE	50YR24HR	27.67	59.58	35.630	30.83	133.14	35.69	133.07
RH8200D	BASE	100YR24HR	28.33	67.11	35.630	28.33	133.24	33.22	133.14
RH8200D	BASE	100YR5DAY	98.33	113.94	35.630	96.50	133.70	96.61	133.47
RH8200D	BASE	10YR24HR	16.83	44.19	35.630	32.50	132.88	35.66	132.84
RH8200D	BASE	233YR24HR	16.33	40.56	35.630	44.83	132.69	47.57	132.65
RH8200D	BASE	25YR24HR	28.00	49.82	35.630	31.83	133.00	35.35	132.94
RH8200D	BASE	500YR5DAY	96.67	143.01	35.630	96.67	133.98	97.36	133.64
RH8200D	BASE	50YR24HR	27.67	59.58	35.630	30.83	133.14	35.69	133.07
RHH8102	BASE	100YR24HR	42.84	0.90	-1.784	33.23	133.14	33.22	133.14
RHH8102	BASE	100YR5DAY	96.62	2.15	-3.981	96.62	133.47	96.61	133.47
RHH8102	BASE	10YR24HR	37.78	0.28	-0.556	35.66	132.84	35.66	132.84
RHH8102	BASE	233YR24HR	50.29	0.12	-0.237	47.59	132.65	47.57	132.65
RHH8102	BASE	25YR24HR	40.18	0.44	-0.882	35.36	132.94	35.35	132.94
RHH8102	BASE	500YR5DAY	64.79	3.48	-5.552	97.36	133.64	97.36	133.64
RHH8102	BASE	50YR24HR	39.87	0.70	-1.393	35.69	133.07	35.69	133.07
RHH81052A	BASE	100YR24HR	12.28	0.40	-0.007	12.28	133.43	33.22	133.14

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81052A	BASE	100YR5DAY	60.13	0.19	-0.008	96.62	133.47	96.61	133.47
RHH81052A	BASE	10YR24HR	12.31	0.24	0.001	12.32	133.36	35.66	132.84
RHH81052A	BASE	233YR24HR	12.33	0.16	0.001	12.35	133.31	47.57	132.65
RHH81052A	BASE	25YR24HR	12.29	0.29	0.001	12.31	133.38	35.35	132.94
RHH81052A	BASE	500YR5DAY	60.13	0.23	0.029	97.36	133.64	97.36	133.64
RHH81052A	BASE	50YR24HR	12.28	0.35	-0.002	12.29	133.41	35.69	133.07
RHH81052B	BASE	100YR24HR	0.00	0.00	0.000	12.28	133.43	33.22	133.14
RHH81052B	BASE	100YR5DAY	0.00	0.00	0.000	96.62	133.47	96.61	133.47
RHH81052B	BASE	10YR24HR	0.00	0.00	0.000	12.32	133.36	35.66	132.84
RHH81052B	BASE	233YR24HR	0.00	0.00	0.000	12.35	133.31	47.57	132.65
RHH81052B	BASE	25YR24HR	0.00	0.00	0.000	12.31	133.38	35.35	132.94
RHH81052B	BASE	500YR5DAY	0.00	0.00	0.000	97.36	133.64	97.36	133.64
RHH81052B	BASE	50YR24HR	0.00	0.00	0.000	12.29	133.41	35.69	133.07
RHH81052C	BASE	100YR24HR	12.28	0.40	-0.007	12.28	133.43	33.22	133.14
RHH81052C	BASE	100YR5DAY	60.13	0.19	-0.008	96.62	133.47	96.61	133.47
RHH81052C	BASE	10YR24HR	12.31	0.24	0.001	12.32	133.36	35.66	132.84
RHH81052C	BASE	233YR24HR	12.33	0.16	0.001	12.35	133.31	47.57	132.65
RHH81052C	BASE	25YR24HR	12.29	0.29	0.001	12.31	133.38	35.35	132.94
RHH81052C	BASE	500YR5DAY	60.13	0.23	0.029	97.36	133.64	97.36	133.64
RHH81052C	BASE	50YR24HR	12.28	0.35	-0.002	12.29	133.41	35.69	133.07
RHH81052D	BASE	100YR24HR	0.00	0.00	0.000	12.28	133.43	12.91	133.65
RHH81052D	BASE	100YR5DAY	0.00	0.00	0.000	96.62	133.47	61.18	133.44
RHH81052D	BASE	10YR24HR	0.00	0.00	0.000	12.32	133.36	12.80	133.20
RHH81052D	BASE	233YR24HR	0.00	0.00	0.000	12.35	133.31	12.37	133.00
RHH81052D	BASE	25YR24HR	0.00	0.00	0.000	12.31	133.38	12.60	133.35
RHH81052D	BASE	500YR5DAY	0.00	0.00	0.000	97.36	133.64	61.13	133.60
RHH81052D	BASE	50YR24HR	0.00	0.00	0.000	12.29	133.41	13.05	133.56
RHH81053A	BASE	100YR24HR	12.26	3.55	-0.074	12.35	135.67	1.32	135.72
RHH81053A	BASE	100YR5DAY	60.10	1.80	-0.113	60.25	135.48	2.84	135.72
RHH81053A	BASE	10YR24HR	12.25	2.22	0.103	12.42	135.51	1.88	135.72
RHH81053A	BASE	233YR24HR	12.25	1.49	0.103	12.52	135.42	2.54	135.72
RHH81053A	BASE	25YR24HR	12.25	2.64	-0.096	12.40	135.56	1.64	135.72
RHH81053A	BASE	500YR5DAY	60.10	2.16	-0.121	60.22	135.53	2.43	135.72
RHH81053A	BASE	50YR24HR	12.25	3.18	-0.104	12.37	135.63	1.43	135.72
RHH81053B	BASE	100YR24HR	0.00	0.00	0.000	12.35	135.67	12.48	135.57
RHH81053B	BASE	100YR5DAY	0.00	0.00	0.000	60.25	135.48	60.32	135.45
RHH81053B	BASE	10YR24HR	0.00	0.00	0.000	12.42	135.51	12.50	135.47
RHH81053B	BASE	233YR24HR	0.00	0.00	0.000	12.52	135.42	12.58	135.40
RHH81053B	BASE	25YR24HR	0.00	0.00	0.000	12.40	135.56	12.49	135.50
RHH81053B	BASE	500YR5DAY	0.00	0.00	0.000	60.22	135.53	60.31	135.48
RHH81053B	BASE	50YR24HR	0.00	0.00	0.000	12.37	135.63	12.48	135.54
RHH81053C	BASE	100YR24HR	0.00	0.00	0.000	12.35	135.67	12.48	135.57
RHH81053C	BASE	100YR5DAY	0.00	0.00	0.000	60.25	135.48	60.32	135.45

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RHH81053C	BASE	10YR24HR	0.00	0.00	0.000	12.42	135.51	12.50	135.47
RHH81053C	BASE	233YR24HR	0.00	0.00	0.000	12.52	135.42	12.58	135.40
RHH81053C	BASE	25YR24HR	0.00	0.00	0.000	12.40	135.56	12.49	135.50
RHH81053C	BASE	500YR5DAY	0.00	0.00	0.000	60.22	135.53	60.31	135.48
RHH81053C	BASE	50YR24HR	0.00	0.00	0.000	12.37	135.63	12.48	135.54
RHH81053D	BASE	100YR24HR	0.00	0.00	0.000	12.35	135.67	12.61	135.97
RHH81053D	BASE	100YR5DAY	0.00	0.00	0.000	60.25	135.48	60.44	135.67
RHH81053D	BASE	10YR24HR	0.00	0.00	0.000	12.42	135.51	12.61	135.69
RHH81053D	BASE	233YR24HR	0.00	0.00	0.000	12.52	135.42	12.62	135.52
RHH81053D	BASE	25YR24HR	0.00	0.00	0.000	12.40	135.56	12.60	135.79
RHH81053D	BASE	500YR5DAY	0.00	0.00	0.000	60.22	135.53	60.44	135.76
RHH81053D	BASE	50YR24HR	0.00	0.00	0.000	12.37	135.63	12.60	135.90
RHH81054A	BASE	100YR24HR	12.60	4.13	0.015	12.61	135.97	12.60	134.82
RHH81054A	BASE	100YR5DAY	60.44	2.46	0.004	60.44	135.67	60.44	134.68
RHH81054A	BASE	10YR24HR	12.60	2.59	0.006	12.61	135.69	12.60	134.69
RHH81054A	BASE	233YR24HR	12.60	1.75	0.004	12.62	135.52	12.60	134.61
RHH81054A	BASE	25YR24HR	12.60	3.09	0.008	12.60	135.79	12.60	134.74
RHH81054A	BASE	500YR5DAY	60.42	2.95	0.005	60.44	135.76	60.42	134.73
RHH81054A	BASE	50YR24HR	12.60	3.71	0.011	12.60	135.90	12.60	134.79
RHH81054B	BASE	100YR24HR	0.00	0.00	0.000	12.61	135.97	33.22	133.14
RHH81054B	BASE	100YR5DAY	0.00	0.00	0.000	60.44	135.67	96.61	133.47
RHH81054B	BASE	10YR24HR	0.00	0.00	0.000	12.61	135.69	35.66	132.84
RHH81054B	BASE	233YR24HR	0.00	0.00	0.000	12.62	135.52	47.57	132.65
RHH81054B	BASE	25YR24HR	0.00	0.00	0.000	12.60	135.79	35.35	132.94
RHH81054B	BASE	500YR5DAY	0.00	0.00	0.000	60.44	135.76	97.36	133.64
RHH81054B	BASE	50YR24HR	0.00	0.00	0.000	12.60	135.90	35.69	133.07
RHH81054C	BASE	100YR24HR	0.00	0.00	0.000	12.61	135.97	12.28	133.43
RHH81054C	BASE	100YR5DAY	0.00	0.00	0.000	60.44	135.67	96.62	133.47
RHH81054C	BASE	10YR24HR	0.00	0.00	0.000	12.61	135.69	12.32	133.36
RHH81054C	BASE	233YR24HR	0.00	0.00	0.000	12.62	135.52	12.35	133.31
RHH81054C	BASE	25YR24HR	0.00	0.00	0.000	12.60	135.79	12.31	133.38
RHH81054C	BASE	500YR5DAY	0.00	0.00	0.000	60.44	135.76	97.36	133.64
RHH81054C	BASE	50YR24HR	0.00	0.00	0.000	12.60	135.90	12.29	133.41
RHH8116	BASE	100YR24HR	33.22	95.93	0.038	33.22	133.14	56.80	132.59
RHH8116	BASE	100YR5DAY	96.61	265.25	0.123	96.61	133.47	113.90	133.04
RHH8116	BASE	10YR24HR	35.66	16.39	0.002	35.66	132.84	24.87	132.20
RHH8116	BASE	233YR24HR	47.57	2.08	0.000	47.57	132.65	24.56	132.01
RHH8116	BASE	25YR24HR	35.35	36.75	0.005	35.35	132.94	25.22	132.32
RHH8116	BASE	500YR5DAY	96.24	384.70	0.211	97.36	133.64	120.18	133.51
RHH8116	BASE	50YR24HR	35.69	70.07	0.021	35.69	133.07	26.17	132.47
RHH81161A	BASE	100YR24HR	0.00	0.00	0.000	30.17	136.60	56.80	132.59
RHH81161A	BASE	100YR5DAY	65.04	0.86	0.003	65.04	136.85	113.90	133.04
RHH81161A	BASE	10YR24HR	0.00	0.00	0.000	30.17	136.16	24.87	132.20

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RHH81161A	BASE	233YR24HR	0.00	0.00	0.000	30.17	135.93	24.56	132.01
RHH81161A	BASE	25YR24HR	0.00	0.00	0.000	30.17	136.34	25.22	132.32
RHH81161A	BASE	500YR5DAY	63.54	2.94	0.017	63.54	136.90	120.18	133.51
RHH81161A	BASE	50YR24HR	0.00	0.00	0.000	30.17	136.49	26.17	132.47
RHH81161B	BASE	100YR24HR	0.00	0.00	0.000	56.80	132.59	0.00	131.00
RHH81161B	BASE	100YR5DAY	0.00	0.00	0.000	113.90	133.04	0.00	131.00
RHH81161B	BASE	10YR24HR	0.00	0.00	0.000	24.87	132.20	0.00	131.00
RHH81161B	BASE	233YR24HR	0.00	0.00	0.000	24.56	132.01	0.00	131.00
RHH81161B	BASE	25YR24HR	0.00	0.00	0.000	25.22	132.32	0.00	131.00
RHH81161B	BASE	500YR5DAY	0.00	0.00	0.000	120.18	133.51	0.00	131.00
RHH81161B	BASE	50YR24HR	0.00	0.00	0.000	26.17	132.47	0.00	131.00
RHH81161C	BASE	100YR24HR	14.83	2.48	0.012	14.83	133.26	56.80	132.59
RHH81161C	BASE	100YR5DAY	62.27	8.19	0.049	62.27	133.30	113.90	133.04
RHH81161C	BASE	10YR24HR	0.00	0.00	0.000	15.16	132.64	24.87	132.20
RHH81161C	BASE	233YR24HR	0.00	0.00	0.000	14.54	132.21	24.56	132.01
RHH81161C	BASE	25YR24HR	0.00	0.00	0.000	15.42	132.89	25.22	132.32
RHH81161C	BASE	500YR5DAY	61.66	17.90	0.120	120.18	133.51	120.18	133.51
RHH81161C	BASE	50YR24HR	0.00	0.00	0.000	15.64	133.17	26.17	132.47
RHH81161D_CD08	BASE	100YR24HR	56.80	16.88	8.705	56.80	132.59	0.00	131.24
RHH81161D_CD08	BASE	100YR5DAY	113.90	19.47	8.705	113.90	133.04	0.00	131.24
RHH81161D_CD08	BASE	10YR24HR	24.87	14.18	8.705	24.87	132.20	0.00	131.24
RHH81161D_CD08	BASE	233YR24HR	24.56	12.73	8.705	24.56	132.01	0.00	131.24
RHH81161D_CD08	BASE	25YR24HR	25.22	15.05	8.705	25.22	132.32	0.00	131.24
RHH81161D_CD08	BASE	500YR5DAY	120.18	21.86	8.705	120.18	133.51	0.00	131.24
RHH81161D_CD08	BASE	50YR24HR	26.17	16.10	8.705	26.17	132.47	0.00	131.24
RHH81161E_CD08	BASE	100YR24HR	56.80	15.51	9.513	56.80	132.59	0.00	131.00
RHH81161E_CD08	BASE	100YR5DAY	113.90	17.63	9.513	113.90	133.04	107.39	131.01
RHH81161E_CD08	BASE	10YR24HR	24.87	13.43	9.513	24.87	132.20	0.00	131.00
RHH81161E_CD08	BASE	233YR24HR	24.56	12.34	9.513	24.56	132.01	0.00	131.00
RHH81161E_CD08	BASE	25YR24HR	25.22	14.09	9.513	25.22	132.32	0.00	131.00
RHH81161E_CD08	BASE	500YR5DAY	120.18	20.26	9.513	120.18	133.51	110.70	131.12
RHH81161E_CD08	BASE	50YR24HR	26.17	14.90	9.513	26.17	132.47	0.00	131.00
RHH81161F_CD08	BASE	100YR24HR	56.80	15.88	9.739	56.80	132.59	0.00	131.00
RHH81161F_CD08	BASE	100YR5DAY	113.90	17.96	9.739	113.90	133.04	0.00	131.00
RHH81161F_CD08	BASE	10YR24HR	24.87	13.75	9.739	24.87	132.20	0.00	131.00
RHH81161F_CD08	BASE	233YR24HR	24.56	12.64	9.739	24.56	132.01	0.00	131.00
RHH81161F_CD08	BASE	25YR24HR	25.22	14.42	9.739	25.22	132.32	0.00	131.00
RHH81161F_CD08	BASE	500YR5DAY	120.18	20.48	9.739	120.18	133.51	110.80	131.08
RHH81161F_CD08	BASE	50YR24HR	26.17	15.25	9.739	26.17	132.47	0.00	131.00
RHH8116B	BASE	100YR24HR	0.00	42.43	42.429	33.22	133.14	56.80	132.59
RHH8116B	BASE	100YR5DAY	55.43	43.68	42.429	96.61	133.47	113.90	133.04
RHH8116B	BASE	10YR24HR	200.00	46.98	42.429	35.66	132.84	24.87	132.20
RHH8116B	BASE	233YR24HR	199.57	47.08	42.429	47.57	132.65	24.56	132.01

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RHH8116B	BASE	25YR24HR	200.00	45.75	42.429	35.35	132.94	25.22	132.32
RHH8116B	BASE	500YR5DAY	53.77	43.81	42.429	97.36	133.64	120.18	133.51
RHH8116B	BASE	50YR24HR	200.00	42.70	42.429	35.69	133.07	26.17	132.47
RHH8116C	BASE	100YR24HR	0.00	31.30	31.296	33.22	133.14	56.80	132.59
RHH8116C	BASE	100YR5DAY	55.43	31.76	31.296	96.61	133.47	113.90	133.04
RHH8116C	BASE	10YR24HR	200.00	34.17	31.296	35.66	132.84	24.87	132.20
RHH8116C	BASE	233YR24HR	199.57	34.23	31.296	47.57	132.65	24.56	132.01
RHH8116C	BASE	25YR24HR	200.00	33.27	31.296	35.35	132.94	25.22	132.32
RHH8116C	BASE	500YR5DAY	53.77	31.86	31.296	97.36	133.64	120.18	133.51
RHH8116C	BASE	50YR24HR	0.00	31.30	31.296	35.69	133.07	26.17	132.47
RHH8116D	BASE	100YR24HR	0.00	2.98	2.978	33.22	133.14	56.80	132.59
RHH8116D	BASE	100YR5DAY	55.43	3.02	2.978	96.61	133.47	113.90	133.04
RHH8116D	BASE	10YR24HR	200.00	3.25	2.978	35.66	132.84	24.87	132.20
RHH8116D	BASE	233YR24HR	199.57	3.26	2.978	47.57	132.65	24.56	132.01
RHH8116D	BASE	25YR24HR	200.00	3.17	2.978	35.35	132.94	25.22	132.32
RHH8116D	BASE	500YR5DAY	53.77	3.03	2.978	97.36	133.64	120.18	133.51
RHH8116D	BASE	50YR24HR	0.00	2.98	2.978	35.69	133.07	26.17	132.47
RHH8116E	BASE	100YR24HR	0.00	13.40	13.395	33.22	133.14	56.80	132.59
RHH8116E	BASE	100YR5DAY	55.43	13.60	13.395	96.61	133.47	113.90	133.04
RHH8116E	BASE	10YR24HR	200.00	14.62	13.395	35.66	132.84	24.87	132.20
RHH8116E	BASE	233YR24HR	199.57	14.65	13.395	47.57	132.65	24.56	132.01
RHH8116E	BASE	25YR24HR	200.00	14.24	13.395	35.35	132.94	25.22	132.32
RHH8116E	BASE	500YR5DAY	53.77	13.64	13.395	97.36	133.64	120.18	133.51
RHH8116E	BASE	50YR24HR	0.00	13.40	13.395	35.69	133.07	26.17	132.47
RHH8116F	BASE	100YR24HR	0.00	20.86	20.863	33.22	133.14	56.80	132.59
RHH8116F	BASE	100YR5DAY	55.43	21.17	20.863	96.61	133.47	113.90	133.04
RHH8116F	BASE	10YR24HR	200.00	22.78	20.863	35.66	132.84	24.87	132.20
RHH8116F	BASE	233YR24HR	199.57	22.82	20.863	47.57	132.65	24.56	132.01
RHH8116F	BASE	25YR24HR	200.00	22.18	20.863	35.35	132.94	25.22	132.32
RHH8116F	BASE	500YR5DAY	53.77	21.24	20.863	97.36	133.64	120.18	133.51
RHH8116F	BASE	50YR24HR	0.00	20.86	20.863	35.69	133.07	26.17	132.47
RHH8117	BASE	100YR24HR	12.65	8.17	-88.727	56.84	132.59	56.80	132.59
RHH8117	BASE	100YR5DAY	60.36	-36.88	-88.727	113.90	133.04	113.90	133.04
RHH8117	BASE	10YR24HR	13.00	-66.27	-88.727	24.85	132.19	24.87	132.20
RHH8117	BASE	233YR24HR	13.20	-84.71	-88.727	24.55	132.01	24.56	132.01
RHH8117	BASE	25YR24HR	12.84	-40.60	-88.727	25.20	132.31	25.22	132.32
RHH8117	BASE	500YR5DAY	60.39	-29.28	-88.727	120.18	133.51	120.18	133.51
RHH8117	BASE	50YR24HR	12.72	-12.37	-88.727	26.14	132.47	26.17	132.47
RHH81171	BASE	100YR24HR	0.00	0.00	0.000	13.12	133.38	56.84	132.59
RHH81171	BASE	100YR5DAY	0.00	0.00	0.000	66.01	133.67	113.90	133.04
RHH81171	BASE	10YR24HR	0.00	0.00	0.000	13.10	132.97	24.85	132.19
RHH81171	BASE	233YR24HR	0.00	0.00	0.000	22.56	132.82	24.55	132.01
RHH81171	BASE	25YR24HR	0.00	0.00	0.000	13.09	133.10	25.20	132.31

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81171	BASE	500YR5DAY	0.00	0.00	0.000	65.56	133.97	120.18	133.51
RHH81171	BASE	50YR24HR	0.00	0.00	0.000	13.10	133.27	26.14	132.47
RHH81171A	BASE	100YR24HR	0.00	0.00	0.000	13.12	133.38	22.17	133.25
RHH81171A	BASE	100YR5DAY	0.00	0.00	0.000	66.01	133.67	66.00	133.66
RHH81171A	BASE	10YR24HR	0.00	0.00	0.000	13.10	132.97	15.83	132.93
RHH81171A	BASE	233YR24HR	0.00	0.00	0.000	22.56	132.82	22.50	132.82
RHH81171A	BASE	25YR24HR	0.00	0.00	0.000	13.09	133.10	15.00	133.00
RHH81171A	BASE	500YR5DAY	0.00	0.00	0.000	65.56	133.97	66.67	133.95
RHH81171A	BASE	50YR24HR	0.00	0.00	0.000	13.10	133.27	22.33	133.15
RHH81171B_CD10	BASE	100YR24HR	13.10	16.41	0.142	13.12	133.38	22.17	133.25
RHH81171B_CD10	BASE	100YR5DAY	60.87	12.95	-0.098	66.01	133.67	66.00	133.66
RHH81171B_CD10	BASE	10YR24HR	13.08	9.56	0.093	13.10	132.97	15.83	132.93
RHH81171B_CD10	BASE	233YR24HR	12.92	6.05	0.084	22.56	132.82	22.50	132.82
RHH81171B_CD10	BASE	25YR24HR	13.08	11.61	-0.101	13.09	133.10	15.00	133.00
RHH81171B_CD10	BASE	500YR5DAY	61.43	17.42	0.122	65.56	133.97	66.67	133.95
RHH81171B_CD10	BASE	50YR24HR	13.09	14.37	0.120	13.10	133.27	22.33	133.15
RHH81172	BASE	100YR24HR	0.00	0.00	0.000	12.55	134.04	12.60	134.21
RHH81172	BASE	100YR5DAY	0.00	0.00	0.000	60.30	133.50	60.30	133.70
RHH81172	BASE	10YR24HR	0.00	0.00	0.000	12.47	133.37	12.49	133.54
RHH81172	BASE	233YR24HR	0.00	0.00	0.000	12.42	132.94	12.55	133.16
RHH81172	BASE	25YR24HR	0.00	0.00	0.000	12.49	133.62	12.50	133.77
RHH81172	BASE	500YR5DAY	0.00	0.00	0.000	60.33	133.75	60.32	133.94
RHH81172	BASE	50YR24HR	0.00	0.00	0.000	12.52	133.90	12.53	134.07
RHH81172B	BASE	100YR24HR	0.00	0.00	0.000	12.55	134.04	0.00	131.00
RHH81172B	BASE	100YR5DAY	0.00	0.00	0.000	60.30	133.50	0.00	131.00
RHH81172B	BASE	10YR24HR	0.00	0.00	0.000	12.47	133.37	0.00	131.00
RHH81172B	BASE	233YR24HR	0.00	0.00	0.000	12.42	132.94	0.00	131.00
RHH81172B	BASE	25YR24HR	0.00	0.00	0.000	12.49	133.62	0.00	131.00
RHH81172B	BASE	500YR5DAY	0.00	0.00	0.000	60.33	133.75	0.00	131.00
RHH81172B	BASE	50YR24HR	0.00	0.00	0.000	12.52	133.90	0.00	131.00
RHH81172C_CD05	BASE	100YR24HR	12.54	15.19	0.045	12.55	134.04	0.91	133.41
RHH81172C_CD05	BASE	100YR5DAY	60.28	10.37	0.014	60.30	133.50	1.37	133.41
RHH81172C_CD05	BASE	10YR24HR	12.46	9.25	0.019	12.47	133.37	1.11	133.41
RHH81172C_CD05	BASE	233YR24HR	12.42	5.56	0.013	12.42	132.94	1.32	133.41
RHH81172C_CD05	BASE	25YR24HR	12.49	11.42	0.025	12.49	133.62	1.03	133.41
RHH81172C_CD05	BASE	500YR5DAY	60.32	12.58	0.019	60.33	133.75	1.26	133.41
RHH81172C_CD05	BASE	50YR24HR	12.51	13.95	0.038	12.52	133.90	0.95	133.41
RHH81172D	BASE	100YR24HR	0.00	0.00	-0.044	12.55	134.04	12.60	134.21
RHH81172D	BASE	100YR5DAY	0.00	0.00	-0.009	60.30	133.50	60.30	133.70
RHH81172D	BASE	10YR24HR	0.00	0.00	-0.016	12.47	133.37	12.49	133.54
RHH81172D	BASE	233YR24HR	0.00	0.00	-0.005	12.55	132.94	12.55	133.16
RHH81172D	BASE	25YR24HR	0.00	0.00	-0.020	12.49	133.62	12.50	133.77
RHH81172D	BASE	500YR5DAY	0.00	0.00	-0.012	60.33	133.75	60.32	133.94

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RHH81172D	BASE	50YR24HR	0.00	0.00	-0.027	12.52	133.90	12.53	134.07
RHH81173	BASE	100YR24HR	0.00	0.00	0.000	12.60	134.21	56.84	132.59
RHH81173	BASE	100YR5DAY	0.00	0.00	0.000	60.30	133.70	113.90	133.04
RHH81173	BASE	10YR24HR	0.00	0.00	0.000	12.49	133.54	24.85	132.19
RHH81173	BASE	233YR24HR	0.00	0.00	0.000	12.55	133.16	24.55	132.01
RHH81173	BASE	25YR24HR	0.00	0.00	0.000	12.50	133.77	25.20	132.31
RHH81173	BASE	500YR5DAY	0.00	0.00	0.000	60.32	133.94	120.18	133.51
RHH81173	BASE	50YR24HR	0.00	0.00	0.000	12.53	134.07	26.14	132.47
RHH8117A	BASE	100YR24HR	0.00	0.00	0.000	56.84	132.59	0.00	131.00
RHH8117A	BASE	100YR5DAY	0.00	0.00	0.000	113.90	133.04	0.00	131.00
RHH8117A	BASE	10YR24HR	0.00	0.00	0.000	24.85	132.19	0.00	131.00
RHH8117A	BASE	233YR24HR	0.00	0.00	0.000	24.55	132.01	0.00	131.00
RHH8117A	BASE	25YR24HR	0.00	0.00	0.000	25.20	132.31	0.00	131.00
RHH8117A	BASE	500YR5DAY	0.00	0.00	0.000	120.18	133.51	0.00	131.00
RHH8117A	BASE	50YR24HR	0.00	0.00	0.000	26.14	132.47	0.00	131.00
RHH8117B_CD06	BASE	100YR24HR	56.84	30.19	13.537	56.84	132.59	0.00	131.00
RHH8117B_CD06	BASE	100YR5DAY	113.90	34.17	13.537	113.90	133.04	0.00	131.00
RHH8117B_CD06	BASE	10YR24HR	24.85	26.13	13.537	24.85	132.19	0.00	131.00
RHH8117B_CD06	BASE	233YR24HR	24.55	24.00	13.537	24.55	132.01	0.00	131.00
RHH8117B_CD06	BASE	25YR24HR	25.20	27.42	13.537	25.20	132.31	0.00	131.00
RHH8117B_CD06	BASE	500YR5DAY	120.18	37.90	13.537	120.18	133.51	0.00	131.00
RHH8117B_CD06	BASE	50YR24HR	26.14	29.01	13.537	26.14	132.47	0.00	131.00
RHH8117C_CD07	BASE	100YR24HR	56.84	9.53	4.273	56.84	132.59	0.00	131.00
RHH8117C_CD07	BASE	100YR5DAY	113.90	10.79	4.273	113.90	133.04	0.00	131.00
RHH8117C_CD07	BASE	10YR24HR	24.85	8.25	4.273	24.85	132.19	0.00	131.00
RHH8117C_CD07	BASE	233YR24HR	24.55	7.58	4.273	24.55	132.01	0.00	131.00
RHH8117C_CD07	BASE	25YR24HR	25.20	8.66	4.273	25.20	132.31	0.00	131.00
RHH8117C_CD07	BASE	500YR5DAY	120.18	11.96	4.273	120.18	133.51	0.00	131.00
RHH8117C_CD07	BASE	50YR24HR	26.14	9.16	4.273	26.14	132.47	0.00	131.00
RHH8117D_CD07	BASE	100YR24HR	56.84	9.53	4.273	56.84	132.59	0.00	131.00
RHH8117D_CD07	BASE	100YR5DAY	113.90	10.79	4.273	113.90	133.04	0.00	131.00
RHH8117D_CD07	BASE	10YR24HR	24.85	8.25	4.273	24.85	132.19	0.00	131.00
RHH8117D_CD07	BASE	233YR24HR	24.55	7.58	4.273	24.55	132.01	0.00	131.00
RHH8117D_CD07	BASE	25YR24HR	25.20	8.66	4.273	25.20	132.31	0.00	131.00
RHH8117D_CD07	BASE	500YR5DAY	120.18	11.96	4.273	120.18	133.51	0.00	131.00
RHH8117D_CD07	BASE	50YR24HR	26.14	9.16	4.273	26.14	132.47	0.00	131.00
RHH8117E_CD06	BASE	100YR24HR	56.84	30.26	13.569	56.84	132.59	0.00	131.00
RHH8117E_CD06	BASE	100YR5DAY	113.90	34.25	13.569	113.90	133.04	0.00	131.00
RHH8117E_CD06	BASE	10YR24HR	24.85	26.19	13.569	24.85	132.19	0.00	131.00
RHH8117E_CD06	BASE	233YR24HR	24.55	24.06	13.569	24.55	132.01	0.00	131.00
RHH8117E_CD06	BASE	25YR24HR	25.20	27.49	13.569	25.20	132.31	0.00	131.00
RHH8117E_CD06	BASE	500YR5DAY	120.18	37.99	13.569	120.18	133.51	0.00	131.00
RHH8117E_CD06	BASE	50YR24HR	26.14	29.08	13.569	26.14	132.47	0.00	131.00

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8117F_CD06	BASE	100YR24HR	56.84	30.12	13.503	56.84	132.59	0.00	131.00
RHH8117F_CD06	BASE	100YR5DAY	113.90	34.08	13.503	113.90	133.04	0.00	131.00
RHH8117F_CD06	BASE	10YR24HR	24.85	26.07	13.503	24.85	132.19	0.00	131.00
RHH8117F_CD06	BASE	233YR24HR	24.55	23.94	13.503	24.55	132.01	0.00	131.00
RHH8117F_CD06	BASE	25YR24HR	25.20	27.35	13.503	25.20	132.31	0.00	131.00
RHH8117F_CD06	BASE	500YR5DAY	120.18	37.80	13.503	120.18	133.51	0.00	131.00
RHH8117F_CD06	BASE	50YR24HR	26.14	28.94	13.503	26.14	132.47	0.00	131.00
RHH8117G_CD06	BASE	100YR24HR	56.84	30.12	13.503	56.84	132.59	0.00	131.00
RHH8117G_CD06	BASE	100YR5DAY	113.90	34.08	13.503	113.90	133.04	0.00	131.00
RHH8117G_CD06	BASE	10YR24HR	24.85	26.07	13.503	24.85	132.19	0.00	131.00
RHH8117G_CD06	BASE	233YR24HR	24.55	23.94	13.503	24.55	132.01	0.00	131.00
RHH8117G_CD06	BASE	25YR24HR	25.20	27.35	13.503	25.20	132.31	0.00	131.00
RHH8117G_CD06	BASE	500YR5DAY	120.18	37.80	13.503	120.18	133.51	0.00	131.00
RHH8117G_CD06	BASE	50YR24HR	26.14	28.94	13.503	26.14	132.47	0.00	131.00
RHH8118	BASE	100YR24HR	17.74	31.29	6.018	17.51	131.99	17.30	131.63
RHH8118	BASE	100YR5DAY	115.20	39.10	5.997	113.93	133.03	113.83	132.10
RHH8118	BASE	10YR24HR	17.60	26.00	5.962	17.49	131.63	17.37	131.36
RHH8118	BASE	233YR24HR	17.02	21.15	5.985	16.92	131.43	16.81	131.23
RHH8118	BASE	25YR24HR	17.82	28.26	-5.813	17.65	131.75	17.56	131.45
RHH8118	BASE	500YR5DAY	120.48	42.43	5.869	120.20	133.51	120.02	132.30
RHH8118	BASE	50YR24HR	17.72	30.05	5.887	17.41	131.90	17.23	131.56
RHH81180C	BASE	100YR24HR	0.00	0.00	0.000	17.41	131.99	56.80	132.59
RHH81180C	BASE	100YR5DAY	0.00	0.00	-0.027	113.94	133.03	113.90	133.04
RHH81180C	BASE	10YR24HR	0.00	0.00	0.000	17.22	131.64	24.87	132.20
RHH81180C	BASE	233YR24HR	0.00	0.00	0.000	13.57	131.48	24.56	132.01
RHH81180C	BASE	25YR24HR	0.00	0.00	0.000	17.44	131.76	25.22	132.32
RHH81180C	BASE	500YR5DAY	0.00	0.00	0.495	120.19	133.51	120.18	133.51
RHH81180C	BASE	50YR24HR	0.00	0.00	0.000	17.29	131.90	26.17	132.47
RHH81180D	BASE	100YR24HR	12.62	75.09	5.108	17.41	131.99	17.51	131.99
RHH81180D	BASE	100YR5DAY	60.84	50.99	-5.625	113.94	133.03	113.93	133.03
RHH81180D	BASE	10YR24HR	13.23	70.19	5.108	17.22	131.64	17.49	131.63
RHH81180D	BASE	233YR24HR	13.57	49.10	5.108	13.57	131.48	16.92	131.43
RHH81180D	BASE	25YR24HR	13.00	77.12	5.108	17.44	131.76	17.65	131.75
RHH81180D	BASE	500YR5DAY	63.41	53.27	7.995	120.19	133.51	120.20	133.51
RHH81180D	BASE	50YR24HR	12.77	78.21	5.108	17.29	131.90	17.41	131.90
RHH81180WS	BASE	100YR24HR	12.12	10.11	0.146	12.12	132.78	17.41	131.99
RHH81180WS	BASE	100YR5DAY	60.00	4.18	0.221	113.93	133.03	113.94	133.03
RHH81180WS	BASE	10YR24HR	12.71	1.85	0.024	12.71	132.70	17.22	131.64
RHH81180WS	BASE	233YR24HR	22.59	0.11	0.000	22.59	132.66	13.57	131.48
RHH81180WS	BASE	25YR24HR	12.39	4.69	0.072	12.39	132.74	17.44	131.76
RHH81180WS	BASE	500YR5DAY	60.00	5.02	0.991	120.19	133.51	120.19	133.51
RHH81180WS	BASE	50YR24HR	12.20	7.92	0.111	12.20	132.77	17.29	131.90

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max US Stage hrs	Max US Stage ft	Max DS Stage hrs	Max DS Stage ft
RHH81181A	BASE	100YR24HR	14.83	3.32	0.011	14.83	133.26	17.41	131.99
RHH81181A	BASE	100YR5DAY	62.27	5.00	0.022	62.27	133.30	113.94	133.03
RHH81181A	BASE	10YR24HR	0.00	0.00	0.000	15.16	132.64	17.22	131.64
RHH81181A	BASE	233YR24HR	0.00	0.00	0.000	14.54	132.21	13.57	131.48
RHH81181A	BASE	25YR24HR	0.00	0.00	0.000	15.42	132.89	17.44	131.76
RHH81181A	BASE	500YR5DAY	61.66	7.01	0.037	120.18	133.51	120.19	133.51
RHH81181A	BASE	50YR24HR	15.64	0.43	0.001	15.64	133.17	17.29	131.90
RHH81181B	BASE	100YR24HR	14.59	10.92	0.016	14.83	133.26	17.41	131.99
RHH81181B	BASE	100YR5DAY	61.98	11.04	0.032	62.27	133.30	113.94	133.03
RHH81181B	BASE	10YR24HR	15.39	8.05	0.016	15.16	132.64	17.22	131.64
RHH81181B	BASE	233YR24HR	14.54	5.99	0.016	14.54	132.21	13.57	131.48
RHH81181B	BASE	25YR24HR	15.65	9.34	0.016	15.42	132.89	17.44	131.76
RHH81181B	BASE	500YR5DAY	61.13	11.01	0.014	120.18	133.51	120.19	133.51
RHH81181B	BASE	50YR24HR	15.58	10.58	0.016	15.64	133.17	17.29	131.90
RHH81182	BASE	100YR24HR	12.45	6.27	0.028	17.51	131.99	17.51	131.99
RHH81182	BASE	100YR5DAY	60.29	3.68	0.900	113.95	133.03	113.93	133.03
RHH81182	BASE	10YR24HR	12.23	3.88	0.014	17.49	131.63	17.49	131.63
RHH81182	BASE	233YR24HR	12.58	4.17	-0.027	16.92	131.43	16.92	131.43
RHH81182	BASE	25YR24HR	12.47	4.48	0.012	17.65	131.75	17.65	131.75
RHH81182	BASE	500YR5DAY	69.64	375.18	295.307	120.20	133.51	120.20	133.51
RHH81182	BASE	50YR24HR	12.45	5.56	0.019	17.41	131.90	17.41	131.90
RHH811821W	BASE	100YR24HR	0.00	0.00	0.000	12.48	132.30	17.41	131.99
RHH811821W	BASE	100YR5DAY	179.35	0.16	-0.074	113.94	133.03	113.94	133.03
RHH811821W	BASE	10YR24HR	0.00	0.00	0.000	12.52	132.26	17.22	131.64
RHH811821W	BASE	233YR24HR	0.00	0.00	0.000	12.53	132.23	13.57	131.48
RHH811821W	BASE	25YR24HR	0.00	0.00	0.000	12.51	132.27	17.44	131.76
RHH811821W	BASE	500YR5DAY	68.28	0.77	-0.649	120.19	133.51	120.19	133.51
RHH811821W	BASE	50YR24HR	0.00	0.00	0.000	12.49	132.29	17.29	131.90
RHH81182B	BASE	100YR24HR	0.00	0.00	0.000	17.51	131.99	17.41	131.99
RHH81182B	BASE	100YR5DAY	179.85	0.79	0.294	113.95	133.03	113.94	133.03
RHH81182B	BASE	10YR24HR	0.00	0.00	0.000	17.49	131.63	17.22	131.64
RHH81182B	BASE	233YR24HR	0.00	0.00	0.000	16.92	131.43	13.57	131.48
RHH81182B	BASE	25YR24HR	0.00	0.00	0.000	17.65	131.75	17.44	131.76
RHH81182B	BASE	500YR5DAY	69.64	17.31	15.313	120.20	133.51	120.19	133.51
RHH81182B	BASE	50YR24HR	0.00	0.00	0.000	17.41	131.90	17.29	131.90
RHH81182WE	BASE	100YR24HR	200.00	-0.00	-0.022	17.51	131.99	12.48	132.30
RHH81182WE	BASE	100YR5DAY	80.26	0.20	-0.249	113.95	133.03	113.94	133.03
RHH81182WE	BASE	10YR24HR	200.00	-0.00	-0.007	17.49	131.63	12.52	132.26
RHH81182WE	BASE	233YR24HR	200.00	-0.00	-0.004	16.92	131.43	12.53	132.23
RHH81182WE	BASE	25YR24HR	200.00	-0.00	-0.009	17.65	131.75	12.51	132.27
RHH81182WE	BASE	500YR5DAY	69.64	10.07	9.075	120.20	133.51	120.19	133.51
RHH81182WE	BASE	50YR24HR	200.00	-0.00	-0.015	17.41	131.90	12.49	132.29
RHH81183	BASE	100YR24HR	12.89	43.99	-0.168	17.50	131.99	17.51	131.99

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81183	BASE	100YR5DAY	60.06	23.89	-0.385	113.95	133.03	113.93	133.03
RHH81183	BASE	10YR24HR	13.23	26.97	0.045	17.46	131.63	17.49	131.63
RHH81183	BASE	233YR24HR	13.35	17.47	0.022	13.35	131.56	16.92	131.43
RHH81183	BASE	25YR24HR	13.20	32.94	-0.081	17.64	131.75	17.65	131.75
RHH81183	BASE	500YR5DAY	60.75	24.62	14.843	120.20	133.51	120.20	133.51
RHH81183	BASE	50YR24HR	13.04	40.80	-0.172	17.39	131.90	17.41	131.90
RHH81183WN	BASE	100YR24HR	12.72	24.36	0.087	12.72	132.43	17.50	131.99
RHH81183WN	BASE	100YR5DAY	60.56	17.73	-0.473	113.93	133.03	113.95	133.03
RHH81183WN	BASE	10YR24HR	12.72	13.15	0.029	12.72	132.36	17.46	131.63
RHH81183WN	BASE	233YR24HR	12.76	8.78	0.015	12.76	132.32	13.35	131.56
RHH81183WN	BASE	25YR24HR	12.72	15.84	0.043	12.72	132.38	17.64	131.75
RHH81183WN	BASE	500YR5DAY	60.54	21.32	-1.161	120.20	133.51	120.20	133.51
RHH81183WN	BASE	50YR24HR	12.74	20.87	0.065	12.74	132.41	17.39	131.90
RHH81184	BASE	100YR24HR	12.43	3.64	0.014	12.43	133.57	12.82	133.43
RHH81184	BASE	100YR5DAY	60.29	2.06	0.003	60.29	133.52	61.14	133.27
RHH81184	BASE	10YR24HR	12.43	2.28	0.006	12.43	133.53	13.22	133.07
RHH81184	BASE	233YR24HR	12.43	1.56	0.003	12.43	133.50	14.36	132.88
RHH81184	BASE	25YR24HR	12.43	2.72	0.007	12.43	133.54	13.05	133.21
RHH81184	BASE	500YR5DAY	60.29	2.47	0.004	60.29	133.53	61.09	133.37
RHH81184	BASE	50YR24HR	12.43	3.27	0.010	12.43	133.56	12.94	133.35
RHH811841	BASE	100YR24HR	12.78	10.01	1.433	12.82	133.43	12.90	133.02
RHH811841	BASE	100YR5DAY	61.14	8.29	1.880	61.14	133.27	61.13	132.98
RHH811841	BASE	10YR24HR	12.41	6.71	1.434	13.22	133.07	13.33	132.95
RHH811841	BASE	233YR24HR	12.33	5.73	1.434	14.36	132.88	14.43	132.86
RHH811841	BASE	25YR24HR	12.98	7.47	1.433	13.05	133.21	13.11	132.98
RHH811841	BASE	500YR5DAY	61.09	9.43	1.764	61.09	133.37	61.06	133.00
RHH811841	BASE	50YR24HR	12.92	9.21	1.434	12.94	133.35	12.97	133.00
RHH81184B	BASE	100YR24HR	0.00	0.00	0.000	12.43	133.57	12.90	133.02
RHH81184B	BASE	100YR5DAY	0.00	0.00	0.000	60.29	133.52	61.13	132.98
RHH81184B	BASE	10YR24HR	0.00	0.00	0.000	12.43	133.53	13.33	132.95
RHH81184B	BASE	233YR24HR	0.00	0.00	0.000	12.43	133.50	14.43	132.86
RHH81184B	BASE	25YR24HR	0.00	0.00	0.000	12.43	133.54	13.11	132.98
RHH81184B	BASE	500YR5DAY	0.00	0.00	0.000	60.29	133.53	61.06	133.00
RHH81184B	BASE	50YR24HR	0.00	0.00	0.000	12.43	133.56	12.97	133.00
RHH81185	BASE	100YR24HR	12.35	6.73	0.025	12.35	135.09	12.72	134.01
RHH81185	BASE	100YR5DAY	60.21	3.60	0.005	60.21	135.02	61.13	133.50
RHH81185	BASE	10YR24HR	12.36	4.16	0.010	12.36	135.04	12.72	133.40
RHH81185	BASE	233YR24HR	12.44	2.55	0.005	12.44	135.00	12.69	132.97
RHH81185	BASE	25YR24HR	12.35	5.00	0.014	12.35	135.05	12.72	133.60
RHH81185	BASE	500YR5DAY	60.21	4.32	0.008	60.21	135.04	61.23	133.78
RHH81185	BASE	50YR24HR	12.35	6.04	0.020	12.35	135.07	12.73	133.86
RHH811851	BASE	100YR24HR	12.86	13.66	-0.664	12.72	134.01	33.22	133.14
RHH811851	BASE	100YR5DAY	60.49	9.88	1.426	61.13	133.50	96.61	133.47

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH811851	BASE	10YR24HR	12.72	9.33	-0.335	12.72	133.40	35.66	132.84
RHH811851	BASE	233YR24HR	12.68	5.65	0.195	12.69	132.97	47.57	132.65
RHH811851	BASE	25YR24HR	12.72	11.08	-0.446	12.72	133.60	35.35	132.94
RHH811851	BASE	500YR5DAY	60.51	11.38	1.383	61.23	133.78	97.36	133.64
RHH811851	BASE	50YR24HR	12.83	12.67	-0.597	12.73	133.86	35.69	133.07
RHH81185B	BASE	100YR24HR	0.00	0.00	0.000	12.35	135.09	33.22	133.14
RHH81185B	BASE	100YR5DAY	0.00	0.00	0.000	60.21	135.02	96.61	133.47
RHH81185B	BASE	10YR24HR	0.00	0.00	0.000	12.36	135.04	35.66	132.84
RHH81185B	BASE	233YR24HR	0.00	0.00	0.000	12.44	135.00	47.57	132.65
RHH81185B	BASE	25YR24HR	0.00	0.00	0.000	12.35	135.05	35.35	132.94
RHH81185B	BASE	500YR5DAY	0.00	0.00	0.000	60.21	135.04	97.36	133.64
RHH81185B	BASE	50YR24HR	0.00	0.00	0.000	12.35	135.07	35.69	133.07
RHH81185C	BASE	100YR24HR	0.00	0.00	0.000	12.35	135.09	12.43	133.57
RHH81185C	BASE	100YR5DAY	0.00	0.00	0.000	60.21	135.02	60.29	133.52
RHH81185C	BASE	10YR24HR	0.00	0.00	0.000	12.36	135.04	12.43	133.53
RHH81185C	BASE	233YR24HR	0.00	0.00	0.000	12.44	135.00	12.43	133.50
RHH81185C	BASE	25YR24HR	0.00	0.00	0.000	12.35	135.05	12.43	133.54
RHH81185C	BASE	500YR5DAY	0.00	0.00	0.000	60.21	135.04	60.29	133.53
RHH81185C	BASE	50YR24HR	0.00	0.00	0.000	12.35	135.07	12.43	133.56
RHH81186	BASE	100YR24HR	13.19	11.71	0.029	13.19	133.76	14.91	131.79
RHH81186	BASE	100YR5DAY	61.37	9.97	0.012	61.37	133.71	96.78	132.28
RHH81186	BASE	10YR24HR	13.29	7.11	0.010	13.29	133.62	14.87	131.45
RHH81186	BASE	233YR24HR	13.31	4.78	0.005	13.31	133.53	14.98	131.26
RHH81186	BASE	25YR24HR	13.29	8.62	0.015	13.29	133.67	14.91	131.56
RHH81186	BASE	500YR5DAY	61.35	11.63	0.015	61.35	133.76	119.36	132.54
RHH81186	BASE	50YR24HR	13.21	10.55	0.023	13.21	133.73	14.91	131.70
RHH811861	BASE	100YR24HR	13.00	-4.59	-8.842	14.91	131.79	17.51	131.99
RHH811861	BASE	100YR5DAY	60.80	-6.88	-8.842	96.78	132.28	113.93	133.03
RHH811861	BASE	10YR24HR	13.10	-6.69	-8.842	14.87	131.45	17.49	131.63
RHH811861	BASE	233YR24HR	13.10	-7.40	-8.842	14.98	131.26	16.92	131.43
RHH811861	BASE	25YR24HR	13.10	-6.11	-8.842	14.91	131.56	17.65	131.75
RHH811861	BASE	500YR5DAY	60.67	-6.68	-8.842	119.36	132.54	120.20	133.51
RHH811861	BASE	50YR24HR	13.05	-5.11	-8.842	14.91	131.70	17.41	131.90
RHH81186B	BASE	100YR24HR	0.00	0.00	0.000	13.19	133.76	17.51	131.99
RHH81186B	BASE	100YR5DAY	0.00	0.00	0.000	61.37	133.71	113.93	133.03
RHH81186B	BASE	10YR24HR	0.00	0.00	0.000	13.29	133.62	17.49	131.63
RHH81186B	BASE	233YR24HR	0.00	0.00	0.000	13.31	133.53	16.92	131.43
RHH81186B	BASE	25YR24HR	0.00	0.00	0.000	13.29	133.67	17.65	131.75
RHH81186B	BASE	500YR5DAY	0.00	0.00	0.000	61.35	133.76	120.20	133.51
RHH81186B	BASE	50YR24HR	0.00	0.00	0.000	13.21	133.73	17.41	131.90
RHH81187	BASE	100YR24HR	12.57	5.00	0.018	12.57	133.80	17.30	131.63
RHH81187	BASE	100YR5DAY	60.43	3.27	0.005	60.43	133.73	113.83	132.10
RHH81187	BASE	10YR24HR	12.59	3.22	0.007	12.59	133.73	17.37	131.36

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81187	BASE	233YR24HR	12.61	2.28	0.004	12.61	133.68	16.81	131.23
RHH81187	BASE	25YR24HR	12.59	3.79	0.009	12.59	133.75	17.56	131.45
RHH81187	BASE	500YR5DAY	61.25	4.18	0.005	61.25	133.77	120.02	132.30
RHH81187	BASE	50YR24HR	12.58	4.52	0.013	12.58	133.78	17.23	131.56
RHH811871	BASE	100YR24HR	17.30	31.57	6.074	17.30	131.63	13.03	131.79
RHH811871	BASE	100YR5DAY	113.08	39.11	5.150	113.83	132.10	60.57	131.79
RHH811871	BASE	10YR24HR	17.37	26.18	-5.996	17.37	131.36	0.00	131.00
RHH811871	BASE	233YR24HR	16.81	21.29	6.169	16.81	131.23	0.00	131.00
RHH811871	BASE	25YR24HR	17.39	28.47	-6.003	17.56	131.45	14.80	131.79
RHH811871	BASE	500YR5DAY	118.84	42.44	5.759	120.02	132.30	59.97	131.79
RHH811871	BASE	50YR24HR	17.05	30.31	-5.999	17.23	131.56	13.40	131.79
RHH811871B	BASE	100YR24HR	17.30	31.57	6.074	17.30	131.63	13.03	131.79
RHH811871B	BASE	100YR5DAY	113.08	39.11	5.150	113.83	132.10	60.57	131.79
RHH811871B	BASE	10YR24HR	17.37	26.18	-5.996	17.37	131.36	0.00	131.00
RHH811871B	BASE	233YR24HR	16.81	21.29	6.169	16.81	131.23	0.00	131.00
RHH811871B	BASE	25YR24HR	17.39	28.47	-6.003	17.56	131.45	14.80	131.79
RHH811871B	BASE	500YR5DAY	118.84	42.44	5.759	120.02	132.30	59.97	131.79
RHH811871B	BASE	50YR24HR	17.05	30.31	-5.999	17.23	131.56	13.40	131.79
RHH81187B	BASE	100YR24HR	0.00	0.00	0.000	12.57	133.80	0.00	131.00
RHH81187B	BASE	100YR5DAY	0.00	0.00	0.000	60.43	133.73	0.00	131.00
RHH81187B	BASE	10YR24HR	0.00	0.00	0.000	12.59	133.73	0.00	131.00
RHH81187B	BASE	233YR24HR	0.00	0.00	0.000	12.61	133.68	0.00	131.00
RHH81187B	BASE	25YR24HR	0.00	0.00	0.000	12.59	133.75	0.00	131.00
RHH81187B	BASE	500YR5DAY	0.00	0.00	0.000	61.25	133.77	0.00	131.00
RHH81187B	BASE	50YR24HR	0.00	0.00	0.000	12.58	133.78	0.00	131.00
RHH81187C	BASE	100YR24HR	12.57	2.79	-0.016	12.57	133.80	13.19	133.76
RHH81187C	BASE	100YR5DAY	60.43	1.45	0.003	60.43	133.73	61.37	133.71
RHH81187C	BASE	10YR24HR	12.59	1.41	0.004	12.59	133.73	13.29	133.62
RHH81187C	BASE	233YR24HR	12.61	0.84	0.002	12.61	133.68	13.31	133.53
RHH81187C	BASE	25YR24HR	12.59	1.82	0.005	12.59	133.75	13.29	133.67
RHH81187C	BASE	500YR5DAY	60.30	1.80	-0.005	61.25	133.77	61.35	133.76
RHH81187C	BASE	50YR24HR	12.58	2.39	-0.009	12.58	133.78	13.21	133.73
RHH81187D	BASE	100YR24HR	0.00	0.00	0.000	12.57	133.80	12.69	131.06
RHH81187D	BASE	100YR5DAY	0.00	0.00	0.000	60.43	133.73	60.51	131.05
RHH81187D	BASE	10YR24HR	0.00	0.00	0.000	12.59	133.73	12.60	131.02
RHH81187D	BASE	233YR24HR	0.00	0.00	0.000	12.61	133.68	12.99	131.01
RHH81187D	BASE	25YR24HR	0.00	0.00	0.000	12.59	133.75	12.68	131.02
RHH81187D	BASE	500YR5DAY	0.00	0.00	0.000	61.25	133.77	60.33	131.07
RHH81187D	BASE	50YR24HR	0.00	0.00	0.000	12.58	133.78	12.85	131.04
RHH811881	BASE	100YR24HR	12.69	7.16	3.759	12.69	131.06	0.00	131.00
RHH811881	BASE	100YR5DAY	60.51	6.65	3.733	60.51	131.05	0.00	131.00
RHH811881	BASE	10YR24HR	12.60	3.75	3.279	12.60	131.02	0.00	131.00
RHH811881	BASE	233YR24HR	12.99	3.30	3.279	12.99	131.01	0.00	131.00

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH811881	BASE	25YR24HR	12.68	4.20	3.779	12.68	131.02	0.00	131.00
RHH811881	BASE	500YR5DAY	60.33	7.78	4.200	60.33	131.07	0.00	131.00
RHH811881	BASE	50YR24HR	12.85	5.72	3.829	12.85	131.04	0.00	131.00
RHH81188B	BASE	100YR24HR	0.00	0.00	0.000	12.69	131.06	0.00	131.00
RHH81188B	BASE	100YR5DAY	0.00	0.00	0.000	60.51	131.05	0.00	131.00
RHH81188B	BASE	10YR24HR	0.00	0.00	0.000	12.60	131.02	0.00	131.00
RHH81188B	BASE	233YR24HR	0.00	0.00	0.000	12.99	131.01	0.00	131.00
RHH81188B	BASE	25YR24HR	0.00	0.00	0.000	12.68	131.02	0.00	131.00
RHH81188B	BASE	500YR5DAY	0.00	0.00	0.000	60.33	131.07	0.00	131.00
RHH81188B	BASE	50YR24HR	0.00	0.00	0.000	12.85	131.04	0.00	131.00
RHH8118B	BASE	100YR24HR	0.00	0.00	-0.000	17.51	131.99	56.80	132.59
RHH8118B	BASE	100YR5DAY	0.00	0.00	-0.087	113.93	133.03	113.90	133.04
RHH8118B	BASE	10YR24HR	0.00	0.00	0.000	17.49	131.63	24.87	132.20
RHH8118B	BASE	233YR24HR	0.00	0.00	0.000	16.92	131.43	24.56	132.01
RHH8118B	BASE	25YR24HR	0.00	0.00	0.000	17.65	131.75	25.22	132.32
RHH8118B	BASE	500YR5DAY	0.00	0.00	1.805	120.20	133.51	120.18	133.51
RHH8118B	BASE	50YR24HR	0.00	0.00	0.000	17.41	131.90	26.17	132.47
RHH8118C	BASE	100YR24HR	0.00	0.00	0.000	17.51	131.99	12.57	133.80
RHH8118C	BASE	100YR5DAY	0.00	0.00	0.000	113.93	133.03	60.43	133.73
RHH8118C	BASE	10YR24HR	0.00	0.00	0.000	17.49	131.63	12.59	133.73
RHH8118C	BASE	233YR24HR	0.00	0.00	0.000	16.92	131.43	12.61	133.68
RHH8118C	BASE	25YR24HR	0.00	0.00	0.000	17.65	131.75	12.59	133.75
RHH8118C	BASE	500YR5DAY	0.00	0.00	0.000	120.20	133.51	61.25	133.77
RHH8118C	BASE	50YR24HR	0.00	0.00	0.000	17.41	131.90	12.58	133.78
RHH8118D	BASE	100YR24HR	17.74	31.29	6.018	17.51	131.99	17.30	131.63
RHH8118D	BASE	100YR5DAY	115.20	39.10	5.997	113.93	133.03	113.83	132.10
RHH8118D	BASE	10YR24HR	17.60	26.00	5.962	17.49	131.63	17.37	131.36
RHH8118D	BASE	233YR24HR	17.02	21.15	5.985	16.92	131.43	16.81	131.23
RHH8118D	BASE	25YR24HR	17.82	28.26	-5.813	17.65	131.75	17.56	131.45
RHH8118D	BASE	500YR5DAY	120.48	42.43	5.869	120.20	133.51	120.02	132.30
RHH8118D	BASE	50YR24HR	17.72	30.05	5.887	17.41	131.90	17.23	131.56
RHH81192A	BASE	100YR24HR	0.00	0.00	0.000	25.00	132.67	14.81	132.90
RHH81192A	BASE	100YR5DAY	0.00	0.00	0.000	121.00	133.40	63.06	133.06
RHH81192A	BASE	10YR24HR	0.00	0.00	0.000	25.00	132.23	15.09	132.46
RHH81192A	BASE	233YR24HR	0.00	0.00	0.000	25.00	132.02	15.01	132.26
RHH81192A	BASE	25YR24HR	0.00	0.00	0.000	25.00	132.38	15.00	132.61
RHH81192A	BASE	500YR5DAY	0.00	0.00	0.000	121.00	133.90	63.38	133.31
RHH81192A	BASE	50YR24HR	0.00	0.00	0.000	25.00	132.55	14.88	132.78
RHH81192B	BASE	100YR24HR	0.00	0.00	0.000	25.00	132.67	56.80	132.59
RHH81192B	BASE	100YR5DAY	0.00	0.00	0.000	121.00	133.40	113.90	133.04
RHH81192B	BASE	10YR24HR	0.00	0.00	0.000	25.00	132.23	24.87	132.20
RHH81192B	BASE	233YR24HR	0.00	0.00	0.000	25.00	132.02	24.56	132.01
RHH81192B	BASE	25YR24HR	0.00	0.00	0.000	25.00	132.38	25.22	132.32

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81192B	BASE	500YR5DAY	0.00	0.00	0.000	121.00	133.90	120.18	133.51
RHH81192B	BASE	50YR24HR	0.00	0.00	0.000	25.00	132.55	26.17	132.47
RHH8119A	BASE	100YR24HR	0.00	0.00	0.000	14.81	132.90	56.80	132.59
RHH8119A	BASE	100YR5DAY	0.00	0.00	0.000	63.06	133.06	113.90	133.04
RHH8119A	BASE	10YR24HR	0.00	0.00	0.000	15.09	132.46	24.87	132.20
RHH8119A	BASE	233YR24HR	0.00	0.00	0.000	15.01	132.26	24.56	132.01
RHH8119A	BASE	25YR24HR	0.00	0.00	0.000	15.00	132.61	25.22	132.32
RHH8119A	BASE	500YR5DAY	0.00	0.00	0.000	63.38	133.31	120.18	133.51
RHH8119A	BASE	50YR24HR	0.00	0.00	0.000	14.88	132.78	26.17	132.47
RHH8119C	BASE	100YR24HR	14.81	1.66	0.032	14.81	132.90	12.52	131.07
RHH8119C	BASE	100YR5DAY	63.06	1.99	0.032	63.06	133.06	60.22	131.06
RHH8119C	BASE	10YR24HR	15.09	0.85	0.032	15.09	132.46	12.44	131.02
RHH8119C	BASE	233YR24HR	15.01	0.52	0.032	15.01	132.26	12.14	131.01
RHH8119C	BASE	25YR24HR	15.00	1.11	0.032	15.00	132.61	12.46	131.03
RHH8119C	BASE	500YR5DAY	63.38	2.51	0.032	63.38	133.31	60.34	131.08
RHH8119C	BASE	50YR24HR	14.88	1.44	0.032	14.88	132.78	12.62	131.05
RHH8120A	BASE	100YR24HR	12.48	0.90	0.006	12.48	135.57	33.22	133.14
RHH8120A	BASE	100YR5DAY	60.32	0.26	0.001	60.32	135.45	96.61	133.47
RHH8120A	BASE	10YR24HR	12.50	0.34	0.002	12.50	135.47	35.66	132.84
RHH8120A	BASE	233YR24HR	12.58	0.07	0.001	12.58	135.40	47.57	132.65
RHH8120A	BASE	25YR24HR	12.49	0.51	0.002	12.49	135.50	35.35	132.94
RHH8120A	BASE	500YR5DAY	60.31	0.41	0.001	60.31	135.48	97.36	133.64
RHH8120A	BASE	50YR24HR	12.48	0.74	0.004	12.48	135.54	35.69	133.07
RHH8120B	BASE	100YR24HR	12.48	6.40	0.024	12.48	135.57	33.22	133.14
RHH8120B	BASE	100YR5DAY	60.32	3.79	0.006	60.32	135.45	96.61	133.47
RHH8120B	BASE	10YR24HR	12.50	4.15	0.011	12.50	135.47	35.66	132.84
RHH8120B	BASE	233YR24HR	12.58	2.79	0.008	12.58	135.40	47.57	132.65
RHH8120B	BASE	25YR24HR	12.49	4.89	0.012	12.49	135.50	35.35	132.94
RHH8120B	BASE	500YR5DAY	60.31	4.47	0.007	60.31	135.48	97.36	133.64
RHH8120B	BASE	50YR24HR	12.48	5.79	0.017	12.48	135.54	35.69	133.07
RHH8120C	BASE	100YR24HR	0.00	0.00	0.000	12.48	135.57	33.22	133.14
RHH8120C	BASE	100YR5DAY	0.00	0.00	0.000	60.32	135.45	96.61	133.47
RHH8120C	BASE	10YR24HR	0.00	0.00	0.000	12.50	135.47	35.66	132.84
RHH8120C	BASE	233YR24HR	0.00	0.00	0.000	12.58	135.40	47.57	132.65
RHH8120C	BASE	25YR24HR	0.00	0.00	0.000	12.49	135.50	35.35	132.94
RHH8120C	BASE	500YR5DAY	0.00	0.00	0.000	60.31	135.48	97.36	133.64
RHH8120C	BASE	50YR24HR	0.00	0.00	0.000	12.48	135.54	35.69	133.07
RHH8125	BASE	100YR24HR	13.27	9.81	-0.545	12.85	134.18	12.72	134.01
RHH8125	BASE	100YR5DAY	60.70	6.57	1.466	60.97	133.60	61.13	133.50
RHH8125	BASE	10YR24HR	12.79	6.03	0.305	12.80	133.51	12.72	133.40
RHH8125	BASE	233YR24HR	12.92	3.52	0.282	12.94	133.18	13.98	132.68
RHH8125	BASE	25YR24HR	13.00	7.50	0.317	12.79	133.72	12.72	133.60
RHH8125	BASE	500YR5DAY	60.75	7.46	1.903	61.20	133.90	61.23	133.78

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8125	BASE	50YR24HR	13.13	9.08	-0.446	12.82	134.01	12.73	133.86
RHH8130	BASE	100YR24HR	12.12	5.62	0.019	12.12	135.26	12.85	134.18
RHH8130	BASE	100YR5DAY	60.05	2.43	0.005	60.05	135.21	60.97	133.60
RHH8130	BASE	10YR24HR	12.13	3.51	0.010	12.13	135.23	12.80	133.51
RHH8130	BASE	233YR24HR	12.15	2.37	0.008	12.15	135.20	12.94	133.18
RHH8130	BASE	25YR24HR	12.13	4.19	0.012	12.13	135.24	12.79	133.72
RHH8130	BASE	500YR5DAY	60.05	2.92	0.008	60.05	135.21	61.20	133.90
RHH8130	BASE	50YR24HR	12.12	5.05	0.018	12.12	135.25	12.82	134.01
RHH8135	BASE	100YR24HR	12.34	1.64	0.007	12.34	136.52	12.35	135.09
RHH8135	BASE	100YR5DAY	60.21	0.84	0.001	60.21	136.47	60.21	135.02
RHH8135	BASE	10YR24HR	12.41	0.97	0.003	12.41	136.48	12.36	135.04
RHH8135	BASE	233YR24HR	12.65	0.50	0.002	12.65	136.44	12.44	135.00
RHH8135	BASE	25YR24HR	12.37	1.20	0.004	12.37	136.49	12.35	135.05
RHH8135	BASE	500YR5DAY	60.19	1.01	0.002	60.19	136.48	60.21	135.04
RHH8135	BASE	50YR24HR	12.35	1.47	0.006	12.35	136.51	12.35	135.07
RHH8140	BASE	100YR24HR	12.26	2.49	0.008	12.26	134.61	12.85	134.18
RHH8140	BASE	100YR5DAY	60.15	1.25	0.002	60.15	134.57	60.97	133.60
RHH8140	BASE	10YR24HR	12.27	1.56	0.004	12.27	134.58	12.80	133.51
RHH8140	BASE	233YR24HR	12.28	1.06	0.003	12.28	134.56	12.94	133.18
RHH8140	BASE	25YR24HR	12.26	1.86	0.006	12.26	134.59	12.79	133.72
RHH8140	BASE	500YR5DAY	60.14	1.51	0.003	60.14	134.58	61.20	133.90
RHH8140	BASE	50YR24HR	12.26	2.24	0.009	12.26	134.60	12.82	134.01
RHH8145	BASE	100YR24HR	13.28	7.41	1.439	12.93	133.64	12.82	133.43
RHH8145	BASE	100YR5DAY	61.30	6.48	1.574	61.19	133.44	61.14	133.27
RHH8145	BASE	10YR24HR	12.37	4.53	1.439	13.25	133.15	13.22	133.07
RHH8145	BASE	233YR24HR	12.25	4.34	1.499	14.36	132.88	14.36	132.88
RHH8145	BASE	25YR24HR	13.30	5.75	1.439	13.13	133.34	13.05	133.21
RHH8145	BASE	500YR5DAY	61.33	7.25	1.544	61.15	133.58	61.09	133.37
RHH8145	BASE	50YR24HR	13.33	7.09	2.027	13.07	133.55	12.94	133.35
RHH8145A	BASE	100YR24HR	0.00	0.00	0.000	12.93	133.64	25.00	132.67
RHH8145A	BASE	100YR5DAY	0.00	0.00	0.000	61.19	133.44	121.00	133.40
RHH8145A	BASE	10YR24HR	0.00	0.00	0.000	13.25	133.15	25.00	132.23
RHH8145A	BASE	233YR24HR	0.00	0.00	0.000	14.36	132.88	25.00	132.02
RHH8145A	BASE	25YR24HR	0.00	0.00	0.000	13.13	133.34	25.00	132.38
RHH8145A	BASE	500YR5DAY	0.00	0.00	0.000	61.15	133.58	121.00	133.90
RHH8145A	BASE	50YR24HR	0.00	0.00	0.000	13.07	133.55	25.00	132.55
RHH8145B	BASE	100YR24HR	12.93	1.89	0.019	12.93	133.64	56.80	132.59
RHH8145B	BASE	100YR5DAY	0.00	0.00	0.000	61.19	133.44	113.90	133.04
RHH8145B	BASE	10YR24HR	0.00	0.00	0.000	13.25	133.15	24.87	132.20
RHH8145B	BASE	233YR24HR	0.00	0.00	0.000	14.36	132.88	24.56	132.01
RHH8145B	BASE	25YR24HR	0.00	0.00	0.000	13.13	133.34	25.22	132.32
RHH8145B	BASE	500YR5DAY	61.15	0.66	-0.005	61.15	133.58	120.18	133.51
RHH8145B	BASE	50YR24HR	13.07	0.23	0.003	13.07	133.55	26.17	132.47



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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8145C	BASE	100YR24HR	0.00	0.00	0.000	12.93	133.64	12.43	133.57
RHH8145C	BASE	100YR5DAY	0.00	0.00	0.000	61.19	133.44	60.29	133.52
RHH8145C	BASE	10YR24HR	0.00	0.00	0.000	13.25	133.15	12.43	133.53
RHH8145C	BASE	233YR24HR	0.00	0.00	0.000	14.36	132.88	12.43	133.50
RHH8145C	BASE	25YR24HR	0.00	0.00	0.000	13.13	133.34	12.43	133.54
RHH8145C	BASE	500YR5DAY	0.00	0.00	0.000	61.15	133.58	60.29	133.53
RHH8145C	BASE	50YR24HR	0.00	0.00	0.000	13.07	133.55	12.43	133.56
RHH8150A	BASE	100YR24HR	0.00	0.00	0.000	12.54	134.27	14.81	132.90
RHH8150A	BASE	100YR5DAY	0.00	0.00	0.000	60.26	134.03	63.06	133.06
RHH8150A	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.98	15.09	132.46
RHH8150A	BASE	233YR24HR	0.00	0.00	0.000	12.38	133.82	15.01	132.26
RHH8150A	BASE	25YR24HR	0.00	0.00	0.000	12.43	134.06	15.00	132.61
RHH8150A	BASE	500YR5DAY	0.00	0.00	0.000	60.31	134.12	63.38	133.31
RHH8150A	BASE	50YR24HR	0.00	0.00	0.000	12.52	134.19	14.88	132.78
RHH8150B	BASE	100YR24HR	12.54	5.25	0.016	12.54	134.27	12.54	132.44
RHH8150B	BASE	100YR5DAY	60.25	3.43	0.006	60.26	134.03	60.25	132.32
RHH8150B	BASE	10YR24HR	12.37	3.10	0.008	12.38	133.98	12.37	132.29
RHH8150B	BASE	233YR24HR	12.36	2.11	0.005	12.38	133.82	12.36	132.21
RHH8150B	BASE	25YR24HR	12.42	3.68	0.010	12.43	134.06	12.42	132.34
RHH8150B	BASE	500YR5DAY	60.30	4.08	0.034	60.31	134.12	63.38	133.31
RHH8150B	BASE	50YR24HR	12.51	4.63	0.015	12.52	134.19	12.51	132.40
RHH8150C	BASE	100YR24HR	0.00	0.00	0.000	12.54	134.27	12.93	133.64
RHH8150C	BASE	100YR5DAY	0.00	0.00	0.000	60.26	134.03	61.19	133.44
RHH8150C	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.98	13.25	133.15
RHH8150C	BASE	233YR24HR	0.00	0.00	0.000	12.38	133.82	14.36	132.88
RHH8150C	BASE	25YR24HR	0.00	0.00	0.000	12.43	134.06	13.13	133.34
RHH8150C	BASE	500YR5DAY	0.00	0.00	0.000	60.31	134.12	61.15	133.58
RHH8150C	BASE	50YR24HR	0.00	0.00	0.000	12.52	134.19	13.07	133.55
RHH8150D	BASE	100YR24HR	0.00	0.00	0.000	12.54	134.27	25.00	132.67
RHH8150D	BASE	100YR5DAY	0.00	0.00	0.000	60.26	134.03	121.00	133.40
RHH8150D	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.98	25.00	132.23
RHH8150D	BASE	233YR24HR	0.00	0.00	0.000	12.38	133.82	25.00	132.02
RHH8150D	BASE	25YR24HR	0.00	0.00	0.000	12.43	134.06	25.00	132.38
RHH8150D	BASE	500YR5DAY	0.00	0.00	0.000	60.31	134.12	121.00	133.90
RHH8150D	BASE	50YR24HR	0.00	0.00	0.000	12.52	134.19	25.00	132.55
RHH8150E	BASE	100YR24HR	0.00	0.00	0.000	12.54	134.27	12.52	131.07
RHH8150E	BASE	100YR5DAY	0.00	0.00	0.000	60.26	134.03	60.22	131.06
RHH8150E	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.98	12.44	131.02
RHH8150E	BASE	233YR24HR	0.00	0.00	0.000	12.38	133.82	12.14	131.01
RHH8150E	BASE	25YR24HR	0.00	0.00	0.000	12.43	134.06	12.46	131.03
RHH8150E	BASE	500YR5DAY	0.00	0.00	0.000	60.31	134.12	60.34	131.08
RHH8150E	BASE	50YR24HR	0.00	0.00	0.000	12.52	134.19	12.62	131.05

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8155	BASE	100YR24HR	12.57	9.05	-0.051	17.54	131.99	17.51	131.99
RHH8155	BASE	100YR5DAY	60.35	6.32	-1.228	113.96	133.03	113.93	133.03
RHH8155	BASE	10YR24HR	12.61	4.58	0.012	12.61	131.75	17.49	131.63
RHH8155	BASE	233YR24HR	12.70	2.80	0.005	12.70	131.70	16.92	131.43
RHH8155	BASE	25YR24HR	12.59	5.77	0.015	12.59	131.78	17.65	131.75
RHH8155	BASE	500YR5DAY	60.23	7.63	2.524	120.19	133.51	120.20	133.51
RHH8155	BASE	50YR24HR	12.59	7.55	-0.032	17.44	131.90	17.41	131.90
RHH8160	BASE	100YR24HR	12.16	5.18	5.521	12.52	131.07	12.69	131.06
RHH8160	BASE	100YR5DAY	60.22	5.50	5.678	60.22	131.06	60.51	131.05
RHH8160	BASE	10YR24HR	12.15	4.58	4.429	12.44	131.02	12.60	131.02
RHH8160	BASE	233YR24HR	41.66	3.10	4.364	12.14	131.01	12.99	131.01
RHH8160	BASE	25YR24HR	12.46	5.05	4.694	12.46	131.03	12.68	131.02
RHH8160	BASE	500YR5DAY	59.03	5.33	4.377	60.34	131.08	60.33	131.07
RHH8160	BASE	50YR24HR	12.21	5.34	5.422	12.62	131.05	12.85	131.04
RHH8160B	BASE	100YR24HR	0.00	0.00	0.000	12.52	131.07	12.69	131.06
RHH8160B	BASE	100YR5DAY	0.00	0.00	0.000	60.22	131.06	60.51	131.05
RHH8160B	BASE	10YR24HR	0.00	0.00	0.000	12.44	131.02	12.60	131.02
RHH8160B	BASE	233YR24HR	0.00	0.00	0.000	12.14	131.01	12.99	131.01
RHH8160B	BASE	25YR24HR	0.00	0.00	0.000	12.46	131.03	12.68	131.02
RHH8160B	BASE	500YR5DAY	0.00	0.00	0.000	60.34	131.08	60.33	131.07
RHH8160B	BASE	50YR24HR	0.00	0.00	0.000	12.62	131.05	12.85	131.04
RHH8160C	BASE	100YR24HR	0.00	0.00	0.000	12.52	131.07	17.54	131.99
RHH8160C	BASE	100YR5DAY	0.00	0.00	0.000	60.22	131.06	113.96	133.03
RHH8160C	BASE	10YR24HR	0.00	0.00	0.000	12.44	131.02	12.61	131.75
RHH8160C	BASE	233YR24HR	0.00	0.00	0.000	12.14	131.01	12.70	131.70
RHH8160C	BASE	25YR24HR	0.00	0.00	0.000	12.46	131.03	12.59	131.78
RHH8160C	BASE	500YR5DAY	0.00	0.00	-0.000	60.34	131.08	120.19	133.51
RHH8160C	BASE	50YR24HR	0.00	0.00	0.000	12.62	131.05	17.44	131.90
RHH8160D	BASE	100YR24HR	0.00	0.00	0.000	12.52	131.07	17.51	131.99
RHH8160D	BASE	100YR5DAY	0.00	0.00	0.000	60.22	131.06	113.93	133.03
RHH8160D	BASE	10YR24HR	0.00	0.00	0.000	12.44	131.02	17.49	131.63
RHH8160D	BASE	233YR24HR	0.00	0.00	0.000	12.14	131.01	16.92	131.43
RHH8160D	BASE	25YR24HR	0.00	0.00	0.000	12.46	131.03	17.65	131.75
RHH8160D	BASE	500YR5DAY	0.00	0.00	0.000	60.34	131.08	120.20	133.51
RHH8160D	BASE	50YR24HR	0.00	0.00	0.000	12.62	131.05	17.41	131.90
RHH8165A	BASE	100YR24HR	12.29	4.30	1.516	12.91	133.65	12.93	133.64
RHH8165A	BASE	100YR5DAY	60.25	1.60	-0.269	61.18	133.44	61.19	133.44
RHH8165A	BASE	10YR24HR	12.80	2.28	0.863	12.80	133.20	13.25	133.15
RHH8165A	BASE	233YR24HR	12.36	1.23	0.172	12.37	133.00	14.36	132.88
RHH8165A	BASE	25YR24HR	12.60	3.19	1.222	12.60	133.35	13.13	133.34
RHH8165A	BASE	500YR5DAY	61.58	2.76	-0.960	61.13	133.60	61.15	133.58
RHH8165A	BASE	50YR24HR	12.39	4.04	1.483	13.05	133.56	13.07	133.55
RHH8165B	BASE	100YR24HR	12.29	4.30	1.516	12.91	133.65	12.93	133.64

Dewberry Engineers, Inc.  
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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8165B	BASE	100YR5DAY	60.25	1.60	-0.269	61.18	133.44	61.19	133.44
RHH8165B	BASE	10YR24HR	12.80	2.28	0.863	12.80	133.20	13.25	133.15
RHH8165B	BASE	233YR24HR	12.36	1.23	0.172	12.37	133.00	14.36	132.88
RHH8165B	BASE	25YR24HR	12.60	3.19	1.222	12.60	133.35	13.13	133.34
RHH8165B	BASE	500YR5DAY	61.58	2.76	-0.960	61.13	133.60	61.15	133.58
RHH8165B	BASE	50YR24HR	12.39	4.04	1.483	13.05	133.56	13.07	133.55
RHH8165C	BASE	100YR24HR	0.00	0.00	0.000	12.91	133.65	12.93	133.64
RHH8165C	BASE	100YR5DAY	0.00	0.00	0.000	61.18	133.44	61.19	133.44
RHH8165C	BASE	10YR24HR	0.00	0.00	0.000	12.80	133.20	13.25	133.15
RHH8165C	BASE	233YR24HR	0.00	0.00	0.000	12.37	133.00	14.36	132.88
RHH8165C	BASE	25YR24HR	0.00	0.00	0.000	12.60	133.35	13.13	133.34
RHH8165C	BASE	500YR5DAY	0.00	0.00	0.000	61.13	133.60	61.15	133.58
RHH8165C	BASE	50YR24HR	0.00	0.00	0.000	13.05	133.56	13.07	133.55
RHH8170	BASE	100YR24HR	0.00	0.00	0.000	57.54	134.54	56.80	132.59
RHH8170	BASE	100YR5DAY	63.67	0.44	0.001	63.67	134.73	113.90	133.04
RHH8170	BASE	10YR24HR	0.00	0.00	0.000	48.18	134.18	24.87	132.20
RHH8170	BASE	233YR24HR	0.00	0.00	0.000	41.37	133.97	24.56	132.01
RHH8170	BASE	25YR24HR	0.00	0.00	0.000	51.09	134.30	25.22	132.32
RHH8170	BASE	500YR5DAY	62.12	1.11	0.003	62.12	134.81	120.18	133.51
RHH8170	BASE	50YR24HR	0.00	0.00	0.000	54.43	134.45	26.17	132.47
RHH8170B	BASE	100YR24HR	0.00	0.00	0.000	57.54	134.54	12.48	135.57
RHH8170B	BASE	100YR5DAY	0.00	0.00	0.000	63.67	134.73	60.32	135.45
RHH8170B	BASE	10YR24HR	0.00	0.00	0.000	48.18	134.18	12.50	135.47
RHH8170B	BASE	233YR24HR	0.00	0.00	0.000	41.37	133.97	12.58	135.40
RHH8170B	BASE	25YR24HR	0.00	0.00	0.000	51.09	134.30	12.49	135.50
RHH8170B	BASE	500YR5DAY	0.00	0.00	0.000	62.12	134.81	60.31	135.48
RHH8170B	BASE	50YR24HR	0.00	0.00	0.000	54.43	134.45	12.48	135.54
RHH8170C	BASE	100YR24HR	0.00	0.00	0.000	57.54	134.54	12.93	133.64
RHH8170C	BASE	100YR5DAY	0.00	0.00	0.000	63.67	134.73	61.19	133.44
RHH8170C	BASE	10YR24HR	0.00	0.00	0.000	48.18	134.18	13.25	133.15
RHH8170C	BASE	233YR24HR	0.00	0.00	0.000	41.37	133.97	14.36	132.88
RHH8170C	BASE	25YR24HR	0.00	0.00	0.000	51.09	134.30	13.13	133.34
RHH8170C	BASE	500YR5DAY	0.00	0.00	0.000	62.12	134.81	61.15	133.58
RHH8170C	BASE	50YR24HR	0.00	0.00	0.000	54.43	134.45	13.07	133.55
RHH8175	BASE	100YR24HR	12.24	2.15	0.802	33.20	134.54	57.54	134.54
RHH8175	BASE	100YR5DAY	60.11	1.04	1.064	64.22	134.74	63.67	134.73
RHH8175	BASE	10YR24HR	12.23	1.35	0.310	12.27	134.23	48.18	134.18
RHH8175	BASE	233YR24HR	12.26	0.92	0.093	12.26	134.12	41.37	133.97
RHH8175	BASE	25YR24HR	12.25	1.60	0.483	51.09	134.30	51.09	134.30
RHH8175	BASE	500YR5DAY	60.11	1.26	0.634	62.10	134.81	62.12	134.81
RHH8175	BASE	50YR24HR	12.24	1.92	0.671	54.42	134.45	54.43	134.45
RHH81751A	BASE	100YR24HR	0.00	0.00	0.000	12.21	136.30	57.54	134.54
RHH81751A	BASE	100YR5DAY	0.00	0.00	0.000	60.10	136.23	63.67	134.73

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81751A	BASE	10YR24HR	0.00	0.00	0.000	12.22	136.25	48.18	134.18
RHH81751A	BASE	233YR24HR	0.00	0.00	0.000	12.22	136.22	41.37	133.97
RHH81751A	BASE	25YR24HR	0.00	0.00	0.000	12.22	136.27	51.09	134.30
RHH81751A	BASE	500YR5DAY	0.00	0.00	0.000	60.10	136.25	62.12	134.81
RHH81751A	BASE	50YR24HR	0.00	0.00	0.000	12.21	136.28	54.43	134.45
RHH81751B	BASE	100YR24HR	12.21	2.15	0.007	12.21	136.30	33.20	134.54
RHH81751B	BASE	100YR5DAY	60.10	1.06	0.002	60.10	136.23	64.22	134.74
RHH81751B	BASE	10YR24HR	12.22	1.35	0.003	12.22	136.25	12.27	134.23
RHH81751B	BASE	233YR24HR	12.22	0.92	0.002	12.22	136.22	12.26	134.12
RHH81751B	BASE	25YR24HR	12.22	1.60	0.005	12.22	136.27	51.09	134.30
RHH81751B	BASE	500YR5DAY	60.10	1.27	0.003	60.10	136.25	62.10	134.81
RHH81751B	BASE	50YR24HR	12.21	1.92	0.007	12.21	136.28	54.42	134.45
RHH81751C	BASE	100YR24HR	0.00	0.00	0.000	12.21	136.30	12.48	135.57
RHH81751C	BASE	100YR5DAY	0.00	0.00	0.000	60.10	136.23	60.32	135.45
RHH81751C	BASE	10YR24HR	0.00	0.00	0.000	12.22	136.25	12.50	135.47
RHH81751C	BASE	233YR24HR	0.00	0.00	0.000	12.22	136.22	12.58	135.40
RHH81751C	BASE	25YR24HR	0.00	0.00	0.000	12.22	136.27	12.49	135.50
RHH81751C	BASE	500YR5DAY	0.00	0.00	0.000	60.10	136.25	60.31	135.48
RHH81751C	BASE	50YR24HR	0.00	0.00	0.000	12.21	136.28	12.48	135.54
RHH8180A	BASE	100YR24HR	12.24	0.01	0.001	12.25	136.76	33.20	134.54
RHH8180A	BASE	100YR5DAY	60.09	0.00	-0.000	60.09	136.72	64.22	134.74
RHH8180A	BASE	10YR24HR	12.25	0.00	0.001	12.25	136.74	12.53	134.19
RHH8180A	BASE	233YR24HR	0.00	0.00	0.000	12.25	136.72	12.26	134.12
RHH8180A	BASE	25YR24HR	12.24	0.01	0.001	12.25	136.74	51.09	134.30
RHH8180A	BASE	500YR5DAY	60.07	0.00	0.001	60.09	136.73	62.10	134.81
RHH8180A	BASE	50YR24HR	12.25	0.01	0.001	12.25	136.75	54.42	134.45
RHH8180B	BASE	100YR24HR	0.00	0.00	0.000	12.25	136.76	12.21	136.30
RHH8180B	BASE	100YR5DAY	0.00	0.00	0.000	60.09	136.72	60.10	136.23
RHH8180B	BASE	10YR24HR	0.00	0.00	0.000	12.25	136.74	12.22	136.25
RHH8180B	BASE	233YR24HR	0.00	0.00	0.000	12.25	136.72	12.22	136.22
RHH8180B	BASE	25YR24HR	0.00	0.00	0.000	12.25	136.74	12.22	136.27
RHH8180B	BASE	500YR5DAY	0.00	0.00	0.000	60.09	136.73	60.10	136.25
RHH8180B	BASE	50YR24HR	0.00	0.00	0.000	12.25	136.75	12.21	136.28
RHH8180C	BASE	100YR24HR	0.00	0.00	0.000	12.25	136.76	57.54	134.54
RHH8180C	BASE	100YR5DAY	0.00	0.00	0.000	60.09	136.72	63.67	134.73
RHH8180C	BASE	10YR24HR	0.00	0.00	0.000	12.25	136.74	48.18	134.18
RHH8180C	BASE	233YR24HR	0.00	0.00	0.000	12.25	136.72	41.37	133.97
RHH8180C	BASE	25YR24HR	0.00	0.00	0.000	12.25	136.74	51.09	134.30
RHH8180C	BASE	500YR5DAY	0.00	0.00	0.000	60.09	136.73	62.12	134.81
RHH8180C	BASE	50YR24HR	0.00	0.00	0.000	12.25	136.75	54.43	134.45
RHH8180D	BASE	100YR24HR	12.25	0.16	0.001	12.25	136.76	12.91	133.65
RHH8180D	BASE	100YR5DAY	60.09	0.05	0.000	60.09	136.72	61.18	133.44
RHH8180D	BASE	10YR24HR	12.25	0.07	0.000	12.25	136.74	12.80	133.20

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8180D	BASE	233YR24HR	12.25	0.03	0.000	12.25	136.72	12.37	133.00
RHH8180D	BASE	25YR24HR	12.25	0.10	0.000	12.25	136.74	12.60	133.35
RHH8180D	BASE	500YR5DAY	60.09	0.07	0.000	60.09	136.73	61.13	133.60
RHH8180D	BASE	50YR24HR	12.25	0.13	0.001	12.25	136.75	13.05	133.56
RHH8180E	BASE	100YR24HR	12.25	1.79	0.005	12.25	136.76	12.93	133.64
RHH8180E	BASE	100YR5DAY	60.09	0.94	0.002	60.09	136.72	61.19	133.44
RHH8180E	BASE	10YR24HR	12.25	1.16	0.003	12.25	136.74	13.25	133.15
RHH8180E	BASE	233YR24HR	12.25	0.81	0.002	12.25	136.72	14.36	132.88
RHH8180E	BASE	25YR24HR	12.25	1.36	0.004	12.25	136.74	13.13	133.34
RHH8180E	BASE	500YR5DAY	60.09	1.12	0.002	60.09	136.73	61.15	133.58
RHH8180E	BASE	50YR24HR	12.25	1.62	0.005	12.25	136.75	13.07	133.55
RHH8181A	BASE	100YR24HR	0.00	0.00	0.000	15.36	131.94	17.41	131.99
RHH8181A	BASE	100YR5DAY	0.00	0.00	0.000	63.58	131.96	113.94	133.03
RHH8181A	BASE	10YR24HR	0.00	0.00	0.000	15.10	131.76	17.22	131.64
RHH8181A	BASE	233YR24HR	0.00	0.00	0.000	15.18	131.65	13.57	131.48
RHH8181A	BASE	25YR24HR	0.00	0.00	0.000	15.08	131.82	17.44	131.76
RHH8181A	BASE	500YR5DAY	0.00	0.00	0.000	63.52	132.05	120.19	133.51
RHH8181A	BASE	50YR24HR	0.00	0.00	0.000	15.08	131.89	17.29	131.90
RHH8181B_CD09	BASE	100YR24HR	12.85	5.81	2.367	15.36	131.94	17.41	131.99
RHH8181B_CD09	BASE	100YR5DAY	59.54	5.58	2.367	63.58	131.96	113.94	133.03
RHH8181B_CD09	BASE	10YR24HR	13.90	6.33	2.367	15.10	131.76	17.22	131.64
RHH8181B_CD09	BASE	233YR24HR	15.20	6.09	2.367	15.18	131.65	13.57	131.48
RHH8181B_CD09	BASE	25YR24HR	13.50	6.24	2.367	15.08	131.82	17.44	131.76
RHH8181B_CD09	BASE	500YR5DAY	58.35	5.13	2.367	72.11	132.07	120.19	133.51
RHH8181B_CD09	BASE	50YR24HR	13.08	6.00	2.367	15.08	131.89	17.29	131.90
RHH8181C_CD09	BASE	100YR24HR	12.84	5.98	2.495	15.36	131.94	17.41	131.99
RHH8181C_CD09	BASE	100YR5DAY	59.50	5.78	2.495	63.58	131.96	113.94	133.03
RHH8181C_CD09	BASE	10YR24HR	13.89	6.54	2.495	15.10	131.76	17.22	131.64
RHH8181C_CD09	BASE	233YR24HR	15.20	6.32	2.495	15.18	131.65	13.57	131.48
RHH8181C_CD09	BASE	25YR24HR	13.49	6.44	2.495	15.08	131.82	17.44	131.76
RHH8181C_CD09	BASE	500YR5DAY	58.29	5.33	2.495	79.05	132.05	120.19	133.51
RHH8181C_CD09	BASE	50YR24HR	13.07	6.18	2.495	15.08	131.89	17.29	131.90
RHH8181D	BASE	100YR24HR	15.36	84.58	-4.877	15.36	131.94	0.00	131.50
RHH8181D	BASE	100YR5DAY	63.58	92.43	-4.877	63.58	131.96	0.00	131.50
RHH8181D	BASE	10YR24HR	15.10	38.77	-4.877	15.10	131.76	0.00	131.50
RHH8181D	BASE	233YR24HR	15.18	20.73	-4.877	15.18	131.65	0.00	131.50
RHH8181D	BASE	25YR24HR	15.08	52.08	-4.877	15.08	131.82	0.00	131.50
RHH8181D	BASE	500YR5DAY	63.52	123.29	-4.877	63.52	132.05	0.00	131.50
RHH8181D	BASE	50YR24HR	15.08	70.36	-4.877	15.08	131.89	0.00	131.50
RHH8190	BASE	100YR24HR	0.00	-8.64	-8.641	14.54	130.48	14.91	131.79
RHH8190	BASE	100YR5DAY	0.00	-8.64	-8.641	95.57	130.68	96.78	132.28
RHH8190	BASE	10YR24HR	0.00	-8.64	-8.641	14.87	130.34	14.87	131.45
RHH8190	BASE	233YR24HR	0.00	-8.64	-8.641	14.98	130.26	14.98	131.26

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8190	BASE	25YR24HR	0.00	-8.64	-8.641	14.42	130.39	14.91	131.56
RHH8190	BASE	500YR5DAY	0.00	-8.64	-8.641	113.28	130.78	119.36	132.54
RHH8190	BASE	50YR24HR	0.00	-8.64	-8.641	14.65	130.45	14.91	131.70
RHH8190B	BASE	100YR24HR	0.00	0.00	0.000	0.00	129.00	13.19	133.76
RHH8190B	BASE	100YR5DAY	0.00	0.00	0.000	0.00	129.00	61.37	133.71
RHH8190B	BASE	10YR24HR	0.00	0.00	0.000	0.00	129.00	13.29	133.62
RHH8190B	BASE	233YR24HR	0.00	0.00	0.000	0.00	129.00	13.31	133.53
RHH8190B	BASE	25YR24HR	0.00	0.00	0.000	0.00	129.00	13.29	133.67
RHH8190B	BASE	500YR5DAY	0.00	0.00	0.000	0.00	129.00	61.35	133.76
RHH8190B	BASE	50YR24HR	0.00	0.00	0.000	0.00	129.00	13.21	133.73
RO14131	BASE	100YR24HR	0.00	0.00	0.000	22.56	133.92	22.64	133.23
RO14131	BASE	100YR5DAY	0.00	0.00	0.000	60.65	133.99	66.18	133.64
RO14131	BASE	10YR24HR	0.00	0.00	0.000	25.00	133.24	16.88	131.92
RO14131	BASE	233YR24HR	0.00	0.00	0.000	25.00	132.72	14.17	131.59
RO14131	BASE	25YR24HR	0.00	0.00	0.000	25.00	133.52	24.15	132.27
RO14131	BASE	500YR5DAY	0.00	0.00	0.000	60.03	134.02	66.82	133.94
RO14131	BASE	50YR24HR	0.00	0.00	0.000	25.00	133.83	22.85	133.11
RO14136A	BASE	100YR24HR	0.00	0.00	0.000	20.88	134.72	22.17	133.25
RO14136A	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	66.00	133.66
RO14136A	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	15.83	132.93
RO14136A	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	22.50	132.82
RO14136A	BASE	25YR24HR	0.00	0.00	0.000	24.40	134.51	15.00	133.00
RO14136A	BASE	500YR5DAY	0.00	0.00	0.000	65.39	135.48	66.67	133.95
RO14136A	BASE	50YR24HR	0.00	0.00	0.000	23.84	134.63	22.33	133.15
RO14136B	BASE	100YR24HR	20.88	0.53	0.017	12.20	134.77	12.21	135.37
RO14136B	BASE	100YR5DAY	64.53	1.29	0.043	64.53	135.07	55.50	135.08
RO14136B	BASE	10YR24HR	24.99	0.05	-0.005	12.12	134.63	15.00	135.08
RO14136B	BASE	233YR24HR	0.00	0.00	-0.002	12.14	134.47	12.14	134.66
RO14136B	BASE	25YR24HR	24.40	0.19	0.006	12.14	134.68	12.14	135.13
RO14136B	BASE	500YR5DAY	64.10	2.19	-0.058	65.39	135.48	47.06	135.08
RO14136B	BASE	50YR24HR	23.84	0.38	0.010	12.16	134.74	12.18	135.28
RO14136C	BASE	100YR24HR	0.00	0.00	0.000	20.88	134.72	22.56	133.92
RO14136C	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	60.65	133.99
RO14136C	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	25.00	133.24
RO14136C	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	25.00	132.72
RO14136C	BASE	25YR24HR	0.00	0.00	0.000	24.40	134.51	25.00	133.52
RO14136C	BASE	500YR5DAY	0.00	0.00	0.000	65.39	135.48	60.03	134.02
RO14136C	BASE	50YR24HR	0.00	0.00	0.000	23.84	134.63	25.00	133.83
RO14136D	BASE	100YR24HR	0.00	0.00	0.000	20.88	134.72	12.43	135.53
RO14136D	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	60.31	135.50
RO14136D	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	12.45	135.50
RO14136D	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	12.48	135.48
RO14136D	BASE	25YR24HR	0.00	0.00	0.000	24.40	134.51	12.44	135.51

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RO14136D	BASE	500YR5DAY	0.00	0.00	0.000	65.39	135.48	60.30	135.51
RO14136D	BASE	50YR24HR	0.00	0.00	0.000	23.84	134.63	12.43	135.53
RO14211	BASE	100YR24HR	12.59	28.01	0.136	12.59	133.52	22.64	133.23
RO14211	BASE	100YR5DAY	60.34	19.83	-0.289	66.18	133.64	66.18	133.64
RO14211	BASE	10YR24HR	12.73	10.07	0.027	12.73	133.40	16.88	131.92
RO14211	BASE	233YR24HR	13.04	4.94	0.009	13.04	133.34	14.17	131.59
RO14211	BASE	25YR24HR	12.74	15.30	0.045	12.74	133.44	24.15	132.27
RO14211	BASE	500YR5DAY	60.31	24.02	-0.539	66.82	133.94	66.82	133.94
RO14211	BASE	50YR24HR	12.64	22.88	0.083	12.64	133.49	22.85	133.11
RO14212A	BASE	100YR24HR	0.00	0.00	0.000	12.88	134.98	22.64	133.23
RO14212A	BASE	100YR5DAY	0.00	0.00	0.000	60.90	134.90	66.18	133.64
RO14212A	BASE	10YR24HR	0.00	0.00	0.000	12.43	133.42	16.88	131.92
RO14212A	BASE	233YR24HR	0.00	0.00	0.000	12.43	133.04	14.17	131.59
RO14212A	BASE	25YR24HR	0.00	0.00	0.000	12.50	133.98	24.15	132.27
RO14212A	BASE	500YR5DAY	64.61	0.10	0.001	64.61	135.64	66.82	133.94
RO14212A	BASE	50YR24HR	0.00	0.00	0.000	12.71	134.57	22.85	133.11
RO14212B	BASE	100YR24HR	12.88	7.87	-0.150	12.88	134.98	0.83	133.27
RO14212B	BASE	100YR5DAY	61.24	7.99	-0.016	60.90	134.90	66.18	133.64
RO14212B	BASE	10YR24HR	12.43	4.16	0.011	12.43	133.42	1.25	133.27
RO14212B	BASE	233YR24HR	12.43	2.52	0.005	12.43	133.04	1.83	133.27
RO14212B	BASE	25YR24HR	12.50	5.43	-0.027	12.50	133.98	1.08	133.27
RO14212B	BASE	500YR5DAY	60.58	8.84	0.074	64.61	135.64	66.82	133.94
RO14212B	BASE	50YR24HR	12.71	6.90	-0.113	12.71	134.57	0.92	133.27
RO14220	BASE	100YR24HR	0.00	0.00	0.431	22.64	133.23	22.17	133.25
RO14220	BASE	100YR5DAY	0.00	0.00	3.452	66.18	133.64	66.00	133.66
RO14220	BASE	10YR24HR	0.00	0.00	-0.023	16.88	131.92	15.83	132.93
RO14220	BASE	233YR24HR	0.00	0.00	-0.003	14.17	131.59	22.50	132.82
RO14220	BASE	25YR24HR	0.00	0.00	-0.066	24.15	132.27	15.00	133.00
RO14220	BASE	500YR5DAY	0.00	0.00	4.487	66.82	133.94	66.67	133.95
RO14220	BASE	50YR24HR	0.00	0.00	-0.235	22.85	133.11	22.33	133.15
RO14220A	BASE	100YR24HR	0.00	0.00	0.000	22.64	133.23	0.00	131.00
RO14220A	BASE	100YR5DAY	0.00	0.00	0.000	66.18	133.64	0.00	131.00
RO14220A	BASE	10YR24HR	0.00	0.00	0.000	16.88	131.92	0.00	131.00
RO14220A	BASE	233YR24HR	0.00	0.00	0.000	14.17	131.59	0.00	131.00
RO14220A	BASE	25YR24HR	0.00	0.00	0.000	24.15	132.27	0.00	131.00
RO14220A	BASE	500YR5DAY	0.00	0.00	0.000	66.82	133.94	0.00	131.00
RO14220A	BASE	50YR24HR	0.00	0.00	0.000	22.85	133.11	0.00	131.00
RO14220B_CD04	BASE	100YR24HR	22.38	127.55	-0.199	22.64	133.23	22.38	131.15
RO14220B_CD04	BASE	100YR5DAY	78.94	144.11	27.708	66.18	133.64	78.94	131.26
RO14220B_CD04	BASE	10YR24HR	16.82	50.45	-0.199	16.88	131.92	0.00	131.00
RO14220B_CD04	BASE	233YR24HR	14.09	34.61	-0.199	14.17	131.59	0.00	131.00
RO14220B_CD04	BASE	25YR24HR	24.02	69.07	-0.200	24.15	132.27	0.00	131.00
RO14220B_CD04	BASE	500YR5DAY	66.82	156.28	27.708	66.82	133.94	66.82	131.34

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RO14220B_CD04	BASE	50YR24HR	22.72	119.98	-0.199	22.85	133.11	22.72	131.10
RO14230A	BASE	100YR24HR	0.00	0.00	0.000	12.21	135.37	22.56	133.92
RO14230A	BASE	100YR5DAY	0.00	0.00	0.000	61.07	134.74	60.65	133.99
RO14230A	BASE	10YR24HR	0.00	0.00	0.000	12.12	134.98	25.00	133.24
RO14230A	BASE	233YR24HR	0.00	0.00	0.000	12.14	134.66	25.00	132.72
RO14230A	BASE	25YR24HR	0.00	0.00	0.000	12.14	135.13	25.00	133.52
RO14230A	BASE	500YR5DAY	0.00	0.00	0.000	61.09	134.99	60.03	134.02
RO14230A	BASE	50YR24HR	0.00	0.00	0.000	12.18	135.28	25.00	133.83
RO14230B	BASE	100YR24HR	0.00	0.00	0.000	12.21	135.37	22.64	133.23
RO14230B	BASE	100YR5DAY	0.00	0.00	0.000	61.07	134.74	66.18	133.64
RO14230B	BASE	10YR24HR	0.00	0.00	0.000	12.12	134.98	16.88	131.92
RO14230B	BASE	233YR24HR	0.00	0.00	0.000	12.14	134.66	14.17	131.59
RO14230B	BASE	25YR24HR	0.00	0.00	0.000	12.14	135.13	24.15	132.27
RO14230B	BASE	500YR5DAY	0.00	0.00	0.000	61.09	134.99	66.82	133.94
RO14230B	BASE	50YR24HR	0.00	0.00	0.000	12.18	135.28	22.85	133.11
RO14230C	BASE	100YR24HR	12.21	4.05	-0.014	12.21	135.37	0.01	134.44
RO14230C	BASE	100YR5DAY	61.07	2.56	0.005	61.07	134.74	0.02	134.44
RO14230C	BASE	10YR24HR	12.12	3.14	0.008	12.12	134.98	0.01	134.44
RO14230C	BASE	233YR24HR	12.14	2.35	0.006	12.14	134.66	0.02	134.44
RO14230C	BASE	25YR24HR	12.14	3.50	0.009	12.14	135.13	0.01	134.44
RO14230C	BASE	500YR5DAY	61.09	3.18	0.006	61.09	134.99	0.02	134.44
RO14230C	BASE	50YR24HR	12.18	3.84	-0.014	12.18	135.28	0.01	134.44
RO14230D	BASE	100YR24HR	0.00	0.00	0.000	20.88	134.72	12.21	135.37
RO14230D	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	61.07	134.74
RO14230D	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	12.12	134.98
RO14230D	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	12.14	134.66
RO14230D	BASE	25YR24HR	0.00	0.00	0.000	24.40	134.51	12.14	135.13
RO14230D	BASE	500YR5DAY	0.00	0.00	0.000	65.39	135.48	61.09	134.99
RO14230D	BASE	50YR24HR	0.00	0.00	0.000	23.84	134.63	12.18	135.28
RO14240A	BASE	100YR24HR	0.00	0.00	-0.000	12.38	133.54	22.56	133.92
RO14240A	BASE	100YR5DAY	0.00	0.00	-0.026	66.16	133.64	60.65	133.99
RO14240A	BASE	10YR24HR	0.00	0.00	0.000	12.81	133.45	25.00	133.24
RO14240A	BASE	233YR24HR	0.00	0.00	0.000	14.01	133.36	25.00	132.72
RO14240A	BASE	25YR24HR	0.00	0.00	0.000	12.59	133.48	25.00	133.52
RO14240A	BASE	500YR5DAY	0.00	0.00	-0.039	66.84	133.94	60.03	134.02
RO14240A	BASE	50YR24HR	0.00	0.00	0.000	12.44	133.52	25.00	133.83
RO14240B	BASE	100YR24HR	12.38	3.61	0.024	12.38	133.54	22.64	133.23
RO14240B	BASE	100YR5DAY	60.83	4.58	0.018	66.16	133.64	66.18	133.64
RO14240B	BASE	10YR24HR	12.81	1.29	0.006	12.81	133.45	16.88	131.92
RO14240B	BASE	233YR24HR	14.01	0.22	0.000	14.01	133.36	14.17	131.59
RO14240B	BASE	25YR24HR	12.59	2.06	0.012	12.59	133.48	24.15	132.27
RO14240B	BASE	500YR5DAY	60.11	7.74	0.035	66.84	133.94	66.82	133.94
RO14240B	BASE	50YR24HR	12.44	3.02	0.019	12.44	133.52	22.85	133.11



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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RO14250A	BASE	100YR24HR	0.00	0.00	0.000	12.43	135.53	22.56	133.92
RO14250A	BASE	100YR5DAY	0.00	0.00	0.000	60.31	135.50	60.65	133.99
RO14250A	BASE	10YR24HR	0.00	0.00	0.000	12.45	135.50	25.00	133.24
RO14250A	BASE	233YR24HR	0.00	0.00	0.000	12.48	135.48	25.00	132.72
RO14250A	BASE	25YR24HR	0.00	0.00	0.000	12.44	135.51	25.00	133.52
RO14250A	BASE	500YR5DAY	0.00	0.00	0.000	60.30	135.51	60.03	134.02
RO14250A	BASE	50YR24HR	0.00	0.00	0.000	12.43	135.53	25.00	133.83
RO14250B	BASE	100YR24HR	0.00	0.00	0.000	12.43	135.53	22.17	133.25
RO14250B	BASE	100YR5DAY	0.00	0.00	0.000	60.31	135.50	66.00	133.66
RO14250B	BASE	10YR24HR	0.00	0.00	0.000	12.45	135.50	15.83	132.93
RO14250B	BASE	233YR24HR	0.00	0.00	0.000	12.48	135.48	22.50	132.82
RO14250B	BASE	25YR24HR	0.00	0.00	0.000	12.44	135.51	15.00	133.00
RO14250B	BASE	500YR5DAY	0.00	0.00	0.000	60.30	135.51	66.67	133.95
RO14250B	BASE	50YR24HR	0.00	0.00	0.000	12.43	135.53	22.33	133.15
RO14250C	BASE	100YR24HR	12.43	5.49	0.023	12.43	135.53	22.64	133.23
RO14250C	BASE	100YR5DAY	60.31	3.04	0.005	60.31	135.50	66.18	133.64
RO14250C	BASE	10YR24HR	12.45	3.38	0.009	12.45	135.50	16.88	131.92
RO14250C	BASE	233YR24HR	12.48	2.29	0.005	12.48	135.48	14.17	131.59
RO14250C	BASE	25YR24HR	12.44	4.04	0.011	12.44	135.51	24.15	132.27
RO14250C	BASE	500YR5DAY	60.30	3.65	0.006	60.30	135.51	66.82	133.94
RO14250C	BASE	50YR24HR	12.43	4.87	0.015	12.43	135.53	22.85	133.11

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BNDRY20	BASE	100YR24HR	0.00	131.00	141.74	0.0000	710	24.15	314.70	0.00	0.00
BNDRY22	BASE	100YR24HR	12.90	133.02	140.62	0.0013	65248	12.71	18.06	12.90	17.66
BNDRY23	BASE	100YR24HR	0.00	131.00	140.56	0.0000	340	16.89	66.95	0.00	0.00
BNDRY25	BASE	100YR24HR	0.00	131.50	132.00	0.0000	0	15.36	84.58	0.00	0.00
BNDRY26	BASE	100YR24HR	0.00	131.00	135.00	0.0000	0	12.90	17.66	0.00	0.00
NH8000	BASE	100YR24HR	28.33	133.24	142.00	0.0007	1350	0.00	0.00	28.33	201.32
NH8105	BASE	100YR24HR	33.22	133.14	141.79	0.0008	10043424	12.33	847.95	32.47	199.30
NHH8102	BASE	100YR24HR	33.23	133.14	142.00	0.0008	181455	12.67	5.51	42.84	0.90
NHH81052	BASE	100YR24HR	12.28	133.43	143.12	0.0007	1916	12.17	0.85	12.28	0.79
NHH81053	BASE	100YR24HR	12.35	135.67	146.00	0.0016	671	12.25	3.61	12.26	3.55
NHH81054	BASE	100YR24HR	12.61	135.97	143.84	0.0029	5667	12.33	4.72	12.60	4.13
NHH8116	BASE	100YR24HR	56.80	132.59	140.85	0.0009	48319211	12.25	4407.31	56.80	48.27
NHH81161	BASE	100YR24HR	30.17	136.60	145.59	0.0015	25043	12.92	0.63	0.00	0.00
NHH8117	BASE	100YR24HR	56.84	132.59	140.74	0.0009	7314658	12.33	757.27	12.69	125.96
NHH81171	BASE	100YR24HR	13.12	133.38	143.77	0.0022	34274	12.58	18.38	13.10	16.41
NHH81172	BASE	100YR24HR	12.55	134.04	143.00	0.0051	6857	12.17	9.07	12.40	7.44
NHH81173	BASE	100YR24HR	12.60	134.21	138.00	0.0059	15711	12.06	2.55	0.00	0.00
NHH8118	BASE	100YR24HR	17.51	131.99	138.91	0.0011	5750714	12.46	613.56	17.74	62.58
NHH81180	BASE	100YR24HR	17.41	131.99	135.00	0.0007	950039	12.75	122.51	12.62	75.09
NHH81181	BASE	100YR24HR	14.83	133.26	141.71	0.0028	265765	12.58	44.50	14.82	16.70
NHH811811	BASE	100YR24HR	12.12	132.78	135.00	0.0027	22523	12.00	10.90	12.12	10.11
NHH81182	BASE	100YR24HR	17.51	131.99	141.00	0.0011	69144	12.42	6.97	12.42	1.51
NHH811821	BASE	100YR24HR	12.48	132.30	136.00	0.0005	21638	12.08	1.13	0.00	0.00
NHH81183	BASE	100YR24HR	17.50	131.99	141.20	0.0006	323040	12.83	50.26	12.89	43.99
NHH811831	BASE	100YR24HR	12.72	132.43	135.00	0.0006	87760	12.58	25.33	12.72	24.36
NHH81184	BASE	100YR24HR	12.43	133.57	138.00	0.0004	4244	12.42	3.65	12.43	3.64
NHH811841	BASE	100YR24HR	12.82	133.43	143.42	-0.0049	448	12.77	10.02	12.78	10.01
NHH81185	BASE	100YR24HR	12.35	135.09	144.90	0.0005	4716	12.33	6.74	12.35	6.73
NHH811851	BASE	100YR24HR	12.72	134.01	144.90	0.0046	488	12.83	13.64	12.86	13.66
NHH81186	BASE	100YR24HR	13.19	133.76	143.25	0.0010	28075	12.88	12.30	13.19	11.71
NHH811861	BASE	100YR24HR	14.91	131.79	143.25	0.0016	488	13.00	-4.56	13.00	-4.59
NHH81187	BASE	100YR24HR	12.57	133.80	143.51	0.0008	23713	12.42	8.16	12.57	7.79
NHH811871	BASE	100YR24HR	17.30	131.63	143.51	-0.0101	474	17.31	63.14	17.30	63.14
NHH81188	BASE	100YR24HR	12.69	131.06	143.28	0.0097	889	12.42	9.51	12.69	7.16
NHH8119	BASE	100YR24HR	14.81	132.90	141.64	0.0016	64410	12.08	11.84	14.81	1.66
NHH81192	BASE	100YR24HR	25.00	132.67	141.66	0.0014	80591	12.08	12.32	0.00	0.00
NHH8120	BASE	100YR24HR	12.48	135.57	145.17	0.0011	18304	12.26	7.91	12.48	7.31
NHH8125	BASE	100YR24HR	12.85	134.18	142.28	0.0047	35248	12.17	17.48	13.27	9.81
NHH8130	BASE	100YR24HR	12.12	135.26	145.00	0.0003	10387	12.08	5.75	12.12	5.62
NHH8135	BASE	100YR24HR	12.34	136.52	145.44	0.0004	10066	12.17	1.80	12.34	1.64
NHH8140	BASE	100YR24HR	12.26	134.61	144.50	0.0003	4296	12.25	2.50	12.26	2.49
NHH8145	BASE	100YR24HR	12.93	133.64	139.77	0.0033	43836	12.29	18.52	12.98	9.13
NHH8150	BASE	100YR24HR	12.54	134.27	143.14	0.0020	6066	12.33	5.55	12.54	5.25
NHH8155	BASE	100YR24HR	17.54	131.99	140.60	0.0008	68732	12.17	11.84	12.57	9.05
NHH8160	BASE	100YR24HR	12.52	131.07	138.57	-0.0051	1315	12.33	2.35	12.16	5.18
NHH8165	BASE	100YR24HR	12.91	133.65	142.49	-0.0092	564	12.33	5.82	12.29	8.60
NHH8170	BASE	100YR24HR	57.54	134.54	144.64	0.0013	43079	12.08	5.30	0.00	0.00
NHH8175	BASE	100YR24HR	33.20	134.54	146.13	-0.0084	400	12.21	2.16	12.24	2.15
NHH81751	BASE	100YR24HR	12.21	136.30	143.64	0.0005	1178	12.17	2.15	12.21	2.15

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8180	BASE	100YR24HR	12.25	136.76	140.00	0.0002	395	12.25	1.96	12.25	1.96
NHH8181	BASE	100YR24HR	15.36	131.94	135.00	0.0007	3360326	12.67	233.17	14.35	87.27
NHH8190	BASE	100YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	100YR24HR	22.17	133.25	142.00	0.0010	254	12.00	6.88	0.00	0.00
NO14131	BASE	100YR24HR	22.56	133.92	142.00	0.0034	38236	12.08	11.40	0.00	0.00
NO14136	BASE	100YR24HR	20.88	134.72	144.00	0.0016	105007	12.25	14.82	20.88	0.53
NO14211	BASE	100YR24HR	12.59	133.52	143.00	0.0011	160614	12.25	34.21	12.59	28.01
NO14212	BASE	100YR24HR	12.88	134.98	140.00	0.0093	7672	12.50	9.30	12.88	7.87
NO14220	BASE	100YR24HR	22.64	133.23	141.00	0.0019	1970732	12.42	262.49	45.44	40.08
NO14230	BASE	100YR24HR	12.21	135.37	145.00	-0.0058	5537	12.00	5.33	12.21	4.05
NO14240	BASE	100YR24HR	12.38	133.54	142.00	0.0010	18672	12.17	4.35	12.38	3.61
NO14250	BASE	100YR24HR	12.43	135.53	145.00	0.0004	16873	12.33	5.54	12.43	5.49
BNDRY20	BASE	100YR5DAY	0.00	131.00	141.74	0.0000	710	78.95	350.04	0.00	0.00
BNDRY22	BASE	100YR5DAY	61.13	132.98	140.62	0.0002	63790	60.99	13.36	61.13	13.34
BNDRY23	BASE	100YR5DAY	0.00	131.00	140.56	0.0000	340	96.42	80.87	0.00	0.00
BNDRY25	BASE	100YR5DAY	0.00	131.50	132.00	0.0000	0	63.58	92.43	0.00	0.00
BNDRY26	BASE	100YR5DAY	0.00	131.00	135.00	0.0000	0	61.13	13.34	0.00	0.00
NH8000	BASE	100YR5DAY	96.50	133.70	142.00	0.0004	1350	0.00	0.00	98.33	341.82
NH8105	BASE	100YR5DAY	96.61	133.47	141.79	0.0004	10321362	60.25	572.97	96.43	357.04
NHH8102	BASE	100YR5DAY	96.62	133.47	142.00	0.0004	184972	60.33	6.10	96.62	2.15
NHH81052	BASE	100YR5DAY	96.62	133.47	143.12	0.0002	1887	60.08	0.40	60.13	0.39
NHH81053	BASE	100YR5DAY	60.25	135.48	146.00	0.0004	636	60.08	1.81	60.10	1.80
NHH81054	BASE	100YR5DAY	60.44	135.67	143.84	0.0008	4810	60.25	2.56	60.44	2.46
NHH8116	BASE	100YR5DAY	113.90	133.04	140.85	0.0005	49954619	60.17	2499.75	113.90	55.05
NHH81161	BASE	100YR5DAY	65.04	136.85	145.59	0.0005	33970	63.50	1.05	65.04	0.86
NHH8117	BASE	100YR5DAY	113.90	133.04	140.74	0.0005	7575556	60.17	463.22	60.41	95.46
NHH81171	BASE	100YR5DAY	66.01	133.67	143.77	0.0007	37859	60.75	14.65	60.87	12.95
NHH81172	BASE	100YR5DAY	60.30	133.50	143.00	0.0016	3836	60.08	4.84	60.22	4.55
NHH81173	BASE	100YR5DAY	60.30	133.70	138.00	0.0015	3560	59.50	0.60	0.00	0.00
NHH8118	BASE	100YR5DAY	113.93	133.03	138.91	0.0006	6477624	60.25	376.29	61.45	56.13
NHH81180	BASE	100YR5DAY	113.94	133.03	135.00	0.0006	1496952	60.75	91.24	60.84	50.99
NHH81181	BASE	100YR5DAY	62.27	133.30	141.71	0.0014	271837	60.50	33.48	62.26	24.17
NHH811811	BASE	100YR5DAY	113.93	133.03	135.00	0.0001	28406	60.00	4.19	60.00	4.18
NHH81182	BASE	100YR5DAY	113.95	133.03	141.00	0.0006	92939	60.25	4.19	97.03	1.18
NHH811821	BASE	100YR5DAY	113.94	133.03	136.00	0.0001	26569	80.50	0.32	179.35	0.16
NHH81183	BASE	100YR5DAY	113.95	133.03	141.20	0.0006	564014	60.83	36.34	60.06	23.89
NHH811831	BASE	100YR5DAY	113.93	133.03	135.00	0.0002	217595	60.42	17.96	60.56	17.73
NHH81184	BASE	100YR5DAY	60.29	133.52	138.00	0.0001	3900	60.25	2.06	60.29	2.06
NHH811841	BASE	100YR5DAY	61.14	133.27	143.42	0.0067	448	61.13	8.29	61.14	8.29
NHH81185	BASE	100YR5DAY	60.21	135.02	144.90	0.0001	2856	60.18	3.60	60.21	3.60
NHH811851	BASE	100YR5DAY	61.13	133.50	144.90	-0.0054	615	60.47	9.89	60.49	9.88
NHH81186	BASE	100YR5DAY	61.37	133.71	143.25	0.0004	26216	61.17	10.04	61.37	9.97
NHH811861	BASE	100YR5DAY	96.78	132.28	143.25	0.0014	487	60.80	-6.85	60.80	-6.88
NHH81187	BASE	100YR5DAY	60.43	133.73	143.51	0.0002	21603	60.25	4.80	60.43	4.71
NHH811871	BASE	100YR5DAY	113.83	132.10	143.51	-0.0100	212	113.19	78.22	113.08	78.22
NHH81188	BASE	100YR5DAY	60.51	131.05	143.28	0.0100	891	60.22	9.64	60.51	6.65
NHH8119	BASE	100YR5DAY	63.06	133.06	141.64	0.0008	65458	60.00	6.71	63.06	1.99
NHH81192	BASE	100YR5DAY	121.00	133.40	141.66	0.0006	87895	60.00	5.66	0.00	0.00
NHH8120	BASE	100YR5DAY	60.32	135.45	145.17	0.0003	16712	60.17	4.17	60.32	4.05

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8125	BASE	100YR5DAY	60.97	133.60	142.28	0.0012	25034	60.08	8.40	60.70	6.57
NHH8130	BASE	100YR5DAY	60.05	135.21	145.00	0.0001	9979	60.00	2.44	60.05	2.43
NHH8135	BASE	100YR5DAY	60.21	136.47	145.44	0.0001	9285	60.08	0.86	60.21	0.84
NHH8140	BASE	100YR5DAY	60.15	134.57	144.50	0.0001	4022	60.08	1.26	60.15	1.25
NHH8145	BASE	100YR5DAY	61.19	133.44	139.77	0.0008	37868	60.14	8.17	61.30	6.48
NHH8150	BASE	100YR5DAY	60.26	134.03	143.14	0.0008	1494	60.25	3.43	60.25	3.43
NHH8155	BASE	100YR5DAY	113.96	133.03	140.60	0.0004	83340	60.08	7.01	60.35	6.32
NHH8160	BASE	100YR5DAY	60.22	131.06	138.57	0.0055	1316	61.08	2.42	60.22	5.50
NHH8165	BASE	100YR5DAY	61.18	133.44	142.49	-0.0025	531	60.25	3.23	60.25	3.19
NHH8170	BASE	100YR5DAY	63.67	134.73	144.64	0.0005	45118	60.00	2.34	63.67	0.44
NHH8175	BASE	100YR5DAY	64.22	134.74	146.13	-0.0052	408	60.10	1.06	60.11	1.04
NHH81751	BASE	100YR5DAY	60.10	136.23	143.64	0.0002	1158	60.08	1.06	60.10	1.06
NHH8180	BASE	100YR5DAY	60.09	136.72	140.00	0.0001	381	60.08	0.99	60.09	0.99
NHH8181	BASE	100YR5DAY	63.58	131.96	135.00	0.0004	3436056	60.58	158.82	63.10	80.84
NHH8190	BASE	100YR5DAY	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	100YR5DAY	66.00	133.66	142.00	0.0006	219	33.33	1.05	0.00	0.00
NO14131	BASE	100YR5DAY	60.65	133.99	142.00	0.0011	39113	59.95	4.59	0.00	0.00
NO14136	BASE	100YR5DAY	64.53	135.07	144.00	0.0007	112998	60.08	7.22	64.53	1.29
NO14211	BASE	100YR5DAY	66.18	133.64	143.00	0.0006	167697	60.08	21.06	60.34	19.83
NO14212	BASE	100YR5DAY	60.90	134.90	140.00	0.0050	7106	60.25	8.35	61.24	7.99
NO14220	BASE	100YR5DAY	66.18	133.64	141.00	0.0022	2065110	60.25	172.56	78.94	43.23
NO14230	BASE	100YR5DAY	61.07	134.74	145.00	0.0014	1322	61.00	2.59	61.07	2.56
NO14240	BASE	100YR5DAY	66.16	133.64	142.00	0.0006	20388	60.08	2.01	59.96	1.84
NO14250	BASE	100YR5DAY	60.31	135.50	145.00	0.0001	15784	60.25	3.06	60.31	3.04
BNDRY20	BASE	10YR24HR	0.00	131.00	141.74	0.0000	710	18.29	210.20	0.00	0.00
BNDRY22	BASE	10YR24HR	13.33	132.95	140.62	0.0013	62270	12.51	11.51	13.33	9.44
BNDRY23	BASE	10YR24HR	0.00	131.00	140.56	0.0000	340	17.11	55.52	0.00	0.00
BNDRY25	BASE	10YR24HR	0.00	131.50	132.00	0.0000	0	15.10	38.77	0.00	0.00
BNDRY26	BASE	10YR24HR	0.00	131.00	135.00	0.0000	0	13.33	9.44	0.00	0.00
NH8000	BASE	10YR24HR	32.50	132.88	142.00	0.0003	1350	0.00	0.00	16.83	132.56
NH8105	BASE	10YR24HR	35.66	132.84	141.79	0.0003	9738815	12.33	579.03	74.07	131.39
NHH8102	BASE	10YR24HR	35.66	132.84	142.00	0.0003	158175	15.75	0.63	37.78	0.28
NHH81052	BASE	10YR24HR	12.32	133.36	143.12	0.0004	1900	12.17	0.54	12.31	0.48
NHH81053	BASE	10YR24HR	12.42	135.51	146.00	0.0007	642	12.25	2.26	12.25	2.22
NHH81054	BASE	10YR24HR	12.61	135.69	143.84	0.0014	4882	12.33	2.96	12.60	2.59
NHH8116	BASE	10YR24HR	24.87	132.20	140.85	0.0004	46794391	12.25	2677.75	24.87	41.36
NHH81161	BASE	10YR24HR	30.17	136.16	145.59	0.0003	9515	12.67	0.15	0.00	0.00
NHH8117	BASE	10YR24HR	24.85	132.19	140.74	0.0004	7078889	12.33	431.47	13.08	44.37
NHH81171	BASE	10YR24HR	13.10	132.97	143.77	0.0007	29019	12.58	10.71	13.08	9.56
NHH81172	BASE	10YR24HR	12.47	133.37	143.00	0.0025	3132	12.17	5.47	12.36	4.79
NHH81173	BASE	10YR24HR	12.49	133.54	138.00	0.0024	3569	12.08	1.62	0.00	0.00
NHH8118	BASE	10YR24HR	17.49	131.63	138.91	0.0004	5466551	12.42	359.92	17.60	51.99
NHH81180	BASE	10YR24HR	17.22	131.64	135.00	0.0003	708860	12.83	80.38	13.23	70.19
NHH81181	BASE	10YR24HR	15.16	132.64	141.71	0.0012	160434	12.50	23.13	15.39	8.05
NHH811811	BASE	10YR24HR	12.71	132.70	135.00	0.0022	21548	12.00	6.84	12.71	1.85
NHH81182	BASE	10YR24HR	17.49	131.63	141.00	0.0004	55681	12.42	3.93	12.21	1.78
NHH811821	BASE	10YR24HR	12.52	132.26	136.00	0.0002	21292	12.08	0.75	0.00	0.00
NHH81183	BASE	10YR24HR	17.46	131.63	141.20	0.0003	252333	12.83	29.40	13.23	26.97
NHH811831	BASE	10YR24HR	12.72	132.36	135.00	0.0003	84706	12.50	14.02	12.72	13.15

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH81184	BASE	10YR24HR	12.43	133.53	138.00	0.0002	3954	12.42	2.29	12.43	2.28
NHH811841	BASE	10YR24HR	13.22	133.07	143.42	-0.0049	448	12.40	6.81	12.41	6.71
NHH81185	BASE	10YR24HR	12.36	135.04	144.90	0.0002	3218	12.33	4.17	12.36	4.16
NHH811851	BASE	10YR24HR	12.72	133.40	144.90	0.0038	645	12.70	9.34	12.72	9.33
NHH81186	BASE	10YR24HR	13.29	133.62	143.25	0.0004	22909	13.08	7.32	13.29	7.11
NHH811861	BASE	10YR24HR	14.87	131.45	143.25	0.0014	543	13.09	-6.66	13.10	-6.69
NHH81187	BASE	10YR24HR	12.59	133.73	143.51	0.0004	21534	12.42	4.92	12.59	4.63
NHH811871	BASE	10YR24HR	17.37	131.36	143.51	-0.0100	727	17.36	52.36	17.37	52.36
NHH81188	BASE	10YR24HR	12.60	131.02	143.28	0.0099	897	12.38	6.33	12.60	3.75
NHH8119	BASE	10YR24HR	15.09	132.46	141.64	0.0006	61720	12.08	6.71	15.09	0.85
NHH81192	BASE	10YR24HR	25.00	132.23	141.66	0.0004	76056	12.00	5.46	0.00	0.00
NHH8120	BASE	10YR24HR	12.50	135.47	145.17	0.0006	16950	12.26	4.95	12.50	4.49
NHH8125	BASE	10YR24HR	12.80	133.51	142.28	0.0019	24865	12.17	10.98	12.79	6.03
NHH8130	BASE	10YR24HR	12.13	135.23	145.00	0.0002	10139	12.08	3.62	12.13	3.51
NHH8135	BASE	10YR24HR	12.41	136.48	145.44	0.0003	9440	12.17	1.13	12.41	0.97
NHH8140	BASE	10YR24HR	12.27	134.58	144.50	0.0002	4103	12.25	1.58	12.27	1.56
NHH8145	BASE	10YR24HR	13.25	133.15	139.77	0.0018	29435	12.25	9.83	12.37	4.53
NHH8150	BASE	10YR24HR	12.38	133.98	143.14	0.0012	996	12.33	3.12	12.37	3.10
NHH8155	BASE	10YR24HR	12.61	131.75	140.60	0.0004	66118	12.17	6.95	12.61	4.58
NHH8160	BASE	10YR24HR	12.44	131.02	138.57	-0.0052	1342	12.17	1.23	12.15	4.58
NHH8165	BASE	10YR24HR	12.80	133.20	142.49	-0.0096	527	12.33	3.63	12.80	4.56
NHH8170	BASE	10YR24HR	48.18	134.18	144.64	0.0006	39148	12.08	3.31	0.00	0.00
NHH8175	BASE	10YR24HR	12.27	134.23	146.13	-0.0035	302	12.22	1.35	12.23	1.35
NHH81751	BASE	10YR24HR	12.22	136.25	143.64	0.0004	1163	12.17	1.35	12.22	1.35
NHH8180	BASE	10YR24HR	12.25	136.74	140.00	0.0002	372	12.25	1.23	12.25	1.23
NHH8181	BASE	10YR24HR	15.10	131.76	135.00	0.0003	2806991	12.67	140.93	14.83	50.75
NHH8190	BASE	10YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	10YR24HR	15.83	132.93	142.00	0.0004	268	12.46	7.54	0.00	0.00
NO14131	BASE	10YR24HR	25.00	133.24	142.00	0.0014	30236	12.00	6.74	0.00	0.00
NO14136	BASE	10YR24HR	24.99	134.38	144.00	0.0006	98317	12.25	9.08	24.99	0.05
NO14211	BASE	10YR24HR	12.73	133.40	143.00	0.0004	153788	12.25	15.20	12.73	10.07
NO14212	BASE	10YR24HR	12.43	133.42	140.00	0.0024	198	12.42	4.17	12.43	4.16
NO14220	BASE	10YR24HR	16.88	131.92	141.00	0.0009	1514867	12.36	146.25	12.73	34.41
NO14230	BASE	10YR24HR	12.12	134.98	145.00	0.0030	1319	12.00	3.54	12.12	3.14
NO14240	BASE	10YR24HR	12.81	133.45	142.00	0.0011	17210	12.17	2.74	12.81	1.29
NO14250	BASE	10YR24HR	12.45	135.50	145.00	0.0002	15974	12.33	3.45	12.45	3.38
BNDRY20	BASE	233YR24HR	0.00	131.00	141.74	0.0000	710	14.60	180.14	0.00	0.00
BNDRY22	BASE	233YR24HR	14.43	132.86	140.62	0.0010	58885	12.46	8.81	14.43	3.27
BNDRY23	BASE	233YR24HR	0.00	131.00	140.56	0.0000	340	16.21	45.15	0.00	0.00
BNDRY25	BASE	233YR24HR	0.00	131.50	132.00	0.0000	0	15.18	20.73	0.00	0.00
BNDRY26	BASE	233YR24HR	0.00	131.00	135.00	0.0000	0	14.43	3.27	0.00	0.00
NH8000	BASE	233YR24HR	44.83	132.69	142.00	0.0002	1350	0.00	0.00	16.33	121.69
NH8105	BASE	233YR24HR	47.57	132.65	141.79	0.0002	9527954	12.33	431.22	153.41	122.66
NHH8102	BASE	233YR24HR	47.59	132.65	142.00	0.0002	132982	12.50	0.22	50.29	0.12
NHH81052	BASE	233YR24HR	12.35	133.31	143.12	0.0003	1886	12.17	0.37	12.33	0.32
NHH81053	BASE	233YR24HR	12.52	135.42	146.00	0.0007	621	12.25	1.54	12.25	1.49
NHH81054	BASE	233YR24HR	12.62	135.52	143.84	0.0009	4400	12.33	2.02	12.60	1.75
NHH8116	BASE	233YR24HR	24.56	132.01	140.85	0.0002	46085340	12.25	1788.96	24.56	37.71
NHH81161	BASE	233YR24HR	30.17	135.93	145.59	0.0002	3652	12.67	0.10	0.00	0.00

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8117	BASE	233YR24HR	24.55	132.01	140.74	0.0003	6968933	12.33	291.81	14.11	21.44
NHH81171	BASE	233YR24HR	22.56	132.82	143.77	0.0003	26849	12.67	6.85	12.92	6.05
NHH81172	BASE	233YR24HR	12.42	132.94	143.00	0.0019	1021	12.17	3.51	12.25	3.34
NHH81173	BASE	233YR24HR	12.55	133.16	138.00	0.0012	3575	12.17	0.85	0.00	0.00
NHH8118	BASE	233YR24HR	16.92	131.43	138.91	0.0002	5036982	12.42	240.99	17.02	42.30
NHH81180	BASE	233YR24HR	13.57	131.48	135.00	0.0002	595019	12.83	55.88	13.57	49.10
NHH81181	BASE	233YR24HR	14.54	132.21	141.71	0.0008	108229	12.58	14.61	14.54	5.99
NHH811811	BASE	233YR24HR	22.59	132.66	135.00	0.0019	21039	12.00	4.64	22.59	0.11
NHH81182	BASE	233YR24HR	16.92	131.43	141.00	0.0002	48091	12.42	2.63	12.60	2.41
NHH811821	BASE	233YR24HR	12.53	132.23	136.00	0.0001	21096	12.08	0.62	0.00	0.00
NHH81183	BASE	233YR24HR	13.35	131.56	141.20	0.0002	237993	12.88	19.79	13.35	17.47
NHH811831	BASE	233YR24HR	12.76	132.32	135.00	0.0002	83189	12.50	9.57	12.76	8.78
NHH81184	BASE	233YR24HR	12.43	133.50	138.00	0.0001	3776	12.42	1.56	12.43	1.56
NHH811841	BASE	233YR24HR	14.36	132.88	143.42	-0.0049	448	12.33	5.82	12.33	5.73
NHH81185	BASE	233YR24HR	12.44	135.00	144.90	0.0002	2174	12.42	2.55	12.44	2.55
NHH811851	BASE	233YR24HR	12.69	132.97	144.90	0.0031	676	12.67	5.66	12.68	5.65
NHH81186	BASE	233YR24HR	13.31	133.53	143.25	0.0002	19862	13.08	4.92	13.31	4.78
NHH811861	BASE	233YR24HR	14.98	131.26	143.25	0.0014	622	13.10	-7.37	13.10	-7.40
NHH81187	BASE	233YR24HR	12.61	133.68	143.51	0.0002	20221	12.42	3.36	12.61	3.11
NHH811871	BASE	233YR24HR	16.81	131.23	143.51	-0.0100	780	16.81	42.57	16.81	42.57
NHH81188	BASE	233YR24HR	12.99	131.01	143.28	0.0095	897	6.23	3.13	12.99	3.30
NHH8119	BASE	233YR24HR	15.01	132.26	141.64	0.0003	60485	12.08	4.57	15.01	0.52
NHH81192	BASE	233YR24HR	25.00	132.02	141.66	0.0003	73875	12.00	3.73	0.00	0.00
NHH8120	BASE	233YR24HR	12.58	135.40	145.17	0.0006	16003	12.26	3.36	12.58	2.87
NHH8125	BASE	233YR24HR	12.94	133.18	142.28	0.0012	24224	12.18	7.47	12.92	3.52
NHH8130	BASE	233YR24HR	12.15	135.20	145.00	0.0003	9969	12.08	2.47	12.15	2.37
NHH8135	BASE	233YR24HR	12.65	136.44	145.44	0.0005	8815	12.17	0.77	12.65	0.50
NHH8140	BASE	233YR24HR	12.28	134.56	144.50	0.0002	3965	12.25	1.08	12.28	1.06
NHH8145	BASE	233YR24HR	14.36	132.88	139.77	0.0013	22442	12.25	6.73	12.25	4.34
NHH8150	BASE	233YR24HR	12.38	133.82	143.14	0.0009	866	12.33	2.13	12.36	2.11
NHH8155	BASE	233YR24HR	12.70	131.70	140.60	0.0002	65585	12.17	4.74	12.70	2.80
NHH8160	BASE	233YR24HR	12.14	131.01	138.57	0.0036	1345	12.17	0.81	41.66	3.10
NHH8165	BASE	233YR24HR	12.37	133.00	142.49	-0.0029	471	12.33	2.46	12.36	2.46
NHH8170	BASE	233YR24HR	41.37	133.97	144.64	0.0004	36009	12.08	2.24	0.00	0.00
NHH8175	BASE	233YR24HR	12.26	134.12	146.13	0.0014	355	12.22	0.92	12.26	0.92
NHH81751	BASE	233YR24HR	12.22	136.22	143.64	0.0005	1154	12.17	0.92	12.22	0.92
NHH8180	BASE	233YR24HR	12.25	136.72	140.00	0.0001	375	12.25	0.84	12.25	0.84
NHH8181	BASE	233YR24HR	15.18	131.65	135.00	0.0002	2467599	12.67	96.16	15.18	33.14
NHH8190	BASE	233YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	233YR24HR	22.50	132.82	142.00	0.0002	270	12.88	6.03	0.00	0.00
NO14131	BASE	233YR24HR	25.00	132.72	142.00	0.0009	26478	12.00	4.60	0.00	0.00
NO14136	BASE	233YR24HR	26.50	134.11	144.00	0.0003	92818	12.25	6.20	0.00	0.00
NO14211	BASE	233YR24HR	13.04	133.34	143.00	0.0003	150500	12.25	10.38	13.04	4.94
NO14212	BASE	233YR24HR	12.43	133.04	140.00	0.0013	198	12.42	2.52	12.43	2.52
NO14220	BASE	233YR24HR	14.17	131.59	141.00	0.0006	974204	12.33	95.10	13.56	33.23
NO14230	BASE	233YR24HR	12.14	134.66	145.00	0.0019	1322	12.00	2.66	12.14	2.35
NO14240	BASE	233YR24HR	14.01	133.36	142.00	0.0009	15823	12.17	1.87	14.01	0.22
NO14250	BASE	233YR24HR	12.48	135.48	145.00	0.0001	15332	12.33	2.35	12.48	2.29
BNDRY20	BASE	25YR24HR	0.00	131.00	141.74	0.0000	710	24.27	239.88	0.00	0.00

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BNDRY22	BASE	25YR24HR	13.11	132.98	140.62	0.0016	63538	12.75	13.41	13.11	12.64
BNDRY23	BASE	25YR24HR	0.00	131.00	140.56	0.0000	340	17.61	60.12	0.00	0.00
BNDRY25	BASE	25YR24HR	0.00	131.50	132.00	0.0000	0	15.08	52.08	0.00	0.00
BNDRY26	BASE	25YR24HR	0.00	131.00	135.00	0.0000	0	13.11	12.64	0.00	0.00
NH8000	BASE	25YR24HR	31.83	133.00	142.00	0.0004	1350	0.00	0.00	28.00	149.46
NH8105	BASE	25YR24HR	35.35	132.94	141.79	0.0004	9857060	12.33	665.98	38.09	147.75
NHH8102	BASE	25YR24HR	35.36	132.94	142.00	0.0004	172303	13.17	1.66	40.18	0.44
NHH81052	BASE	25YR24HR	12.31	133.38	143.12	0.0005	1906	12.17	0.64	12.29	0.58
NHH81053	BASE	25YR24HR	12.40	135.56	146.00	0.0010	652	12.25	2.69	12.25	2.64
NHH81054	BASE	25YR24HR	12.60	135.79	143.84	0.0015	5146	12.33	3.52	12.60	3.09
NHH8116	BASE	25YR24HR	25.22	132.32	140.85	0.0005	47254350	12.25	3214.52	25.22	43.56
NHH81161	BASE	25YR24HR	30.17	136.34	145.59	0.0004	15830	12.67	0.18	0.00	0.00
NHH8117	BASE	25YR24HR	25.20	132.31	140.74	0.0006	7150051	12.33	522.51	12.87	72.23
NHH81171	BASE	25YR24HR	13.09	133.10	143.77	0.0010	30758	12.58	13.08	13.08	11.61
NHH81172	BASE	25YR24HR	12.49	133.62	143.00	0.0028	4493	12.17	6.64	12.46	5.60
NHH81173	BASE	25YR24HR	12.50	133.77	138.00	0.0032	3555	12.08	1.94	0.00	0.00
NHH8118	BASE	25YR24HR	17.65	131.75	138.91	0.0006	5562699	12.50	440.77	17.82	56.51
NHH81180	BASE	25YR24HR	17.44	131.76	135.00	0.0004	789727	12.83	94.42	13.00	77.12
NHH81181	BASE	25YR24HR	15.42	132.89	141.71	0.0017	203816	12.58	29.42	15.65	9.34
NHH811811	BASE	25YR24HR	12.39	132.74	135.00	0.0027	21999	12.00	8.16	12.39	4.69
NHH81182	BASE	25YR24HR	17.65	131.75	141.00	0.0006	60236	12.42	4.93	12.37	1.16
NHH811821	BASE	25YR24HR	12.51	132.27	136.00	0.0002	21418	12.08	0.86	0.00	0.00
NHH81183	BASE	25YR24HR	17.64	131.75	141.20	0.0004	276228	12.83	35.27	13.20	32.94
NHH811831	BASE	25YR24HR	12.72	132.38	135.00	0.0003	85526	12.50	16.71	12.72	15.84
NHH81184	BASE	25YR24HR	12.43	133.54	138.00	0.0002	4052	12.42	2.73	12.43	2.72
NHH811841	BASE	25YR24HR	13.05	133.21	143.42	-0.0049	448	12.96	7.48	12.98	7.47
NHH81185	BASE	25YR24HR	12.35	135.05	144.90	0.0003	3740	12.33	5.02	12.35	5.00
NHH811851	BASE	25YR24HR	12.72	133.60	144.90	0.0039	604	12.70	11.08	12.72	11.08
NHH81186	BASE	25YR24HR	13.29	133.67	143.25	0.0006	24701	13.08	8.88	13.29	8.62
NHH811861	BASE	25YR24HR	14.91	131.56	143.25	0.0014	488	13.09	-6.08	13.10	-6.11
NHH81187	BASE	25YR24HR	12.59	133.75	143.51	0.0004	22272	12.42	5.91	12.59	5.61
NHH811871	BASE	25YR24HR	17.56	131.45	143.51	-0.0100	605	17.40	56.94	17.39	56.94
NHH81188	BASE	25YR24HR	12.68	131.02	143.28	0.0100	896	12.46	7.43	12.68	4.20
NHH8119	BASE	25YR24HR	15.00	132.61	141.64	0.0008	62611	12.08	7.99	15.00	1.11
NHH81192	BASE	25YR24HR	25.00	132.38	141.66	0.0005	77555	12.00	6.50	0.00	0.00
NHH8120	BASE	25YR24HR	12.49	135.50	145.17	0.0007	17415	12.26	5.90	12.49	5.40
NHH8125	BASE	25YR24HR	12.79	133.72	142.28	0.0022	25255	12.17	13.09	13.00	7.50
NHH8130	BASE	25YR24HR	12.13	135.24	145.00	0.0002	10227	12.08	4.31	12.13	4.19
NHH8135	BASE	25YR24HR	12.37	136.49	145.44	0.0003	9676	12.17	1.35	12.37	1.20
NHH8140	BASE	25YR24HR	12.26	134.59	144.50	0.0002	4172	12.25	1.88	12.26	1.86
NHH8145	BASE	25YR24HR	13.13	133.34	139.77	0.0020	34873	12.60	11.84	13.30	5.75
NHH8150	BASE	25YR24HR	12.43	134.06	143.14	0.0016	2171	12.33	3.73	12.42	3.68
NHH8155	BASE	25YR24HR	12.59	131.78	140.60	0.0004	66416	12.17	8.29	12.59	5.77
NHH8160	BASE	25YR24HR	12.46	131.03	138.57	0.0062	1339	12.17	1.49	12.46	5.05
NHH8165	BASE	25YR24HR	12.60	133.35	142.49	-0.0084	539	12.33	4.33	12.60	6.37
NHH8170	BASE	25YR24HR	51.09	134.30	144.64	0.0007	40465	12.08	3.94	0.00	0.00
NHH8175	BASE	25YR24HR	51.09	134.30	146.13	-0.0058	383	12.22	1.61	12.25	1.60
NHH81751	BASE	25YR24HR	12.22	136.27	143.64	0.0004	1168	12.17	1.61	12.22	1.60
NHH8180	BASE	25YR24HR	12.25	136.74	140.00	0.0002	381	12.25	1.47	12.25	1.47

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8181	BASE	25YR24HR	15.08	131.82	135.00	0.0004	2995731	12.67	168.61	14.73	62.70
NHH8190	BASE	25YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	25YR24HR	15.00	133.00	142.00	0.0005	266	12.29	7.74	0.00	0.00
NO14131	BASE	25YR24HR	25.00	133.52	142.00	0.0018	33531	12.00	8.02	0.00	0.00
NO14136	BASE	25YR24HR	24.40	134.51	144.00	0.0009	100819	12.25	10.81	24.40	0.19
NO14211	BASE	25YR24HR	12.74	133.44	143.00	0.0004	156219	12.33	19.29	12.74	15.30
NO14212	BASE	25YR24HR	12.50	133.98	140.00	0.0074	193	12.50	5.44	12.50	5.43
NO14220	BASE	25YR24HR	24.15	132.27	141.00	0.0012	1716189	12.42	180.23	12.47	33.25
NO14230	BASE	25YR24HR	12.14	135.13	145.00	0.0033	2760	12.00	4.03	12.14	3.50
NO14240	BASE	25YR24HR	12.59	133.48	142.00	0.0012	17790	12.17	3.26	12.59	2.06
NO14250	BASE	25YR24HR	12.44	135.51	145.00	0.0002	16303	12.33	4.11	12.44	4.04
BNDRY20	BASE	500YR5DAY	0.00	131.00	141.74	0.0000	710	101.19	380.61	0.00	0.00
BNDRY22	BASE	500YR5DAY	61.06	133.00	140.62	0.0002	64548	60.83	15.54	61.06	15.52
BNDRY23	BASE	500YR5DAY	0.00	131.00	140.56	0.0000	340	118.41	87.03	0.00	0.00
BNDRY25	BASE	500YR5DAY	0.00	131.50	132.00	0.0000	0	63.52	123.29	0.00	0.00
BNDRY26	BASE	500YR5DAY	0.00	131.00	135.00	0.0000	0	61.06	15.52	0.00	0.00
NH8000	BASE	500YR5DAY	96.67	133.98	142.00	0.0005	388	0.00	0.00	96.67	429.04
NH8105	BASE	500YR5DAY	97.36	133.64	141.79	0.0005	10468646	60.25	688.50	92.68	445.35
NHH8102	BASE	500YR5DAY	97.36	133.64	142.00	0.0005	186838	60.33	7.32	64.79	3.48
NHH81052	BASE	500YR5DAY	97.36	133.64	143.12	0.0003	1906	60.08	0.48	60.13	0.47
NHH81053	BASE	500YR5DAY	60.22	135.53	146.00	0.0005	645	60.08	2.17	60.10	2.16
NHH81054	BASE	500YR5DAY	60.44	135.76	143.84	0.0009	5074	60.25	3.08	60.42	2.95
NHH8116	BASE	500YR5DAY	120.18	133.51	140.85	0.0006	50932257	60.17	3024.85	120.18	62.59
NHH81161	BASE	500YR5DAY	63.54	136.90	145.59	0.0009	35592	63.42	2.96	63.54	2.94
NHH8117	BASE	500YR5DAY	120.18	133.51	140.74	0.0006	7819219	60.17	556.32	60.45	111.26
NHH81171	BASE	500YR5DAY	65.56	133.97	143.77	0.0009	41672	61.17	19.60	61.43	17.42
NHH81172	BASE	500YR5DAY	60.33	133.75	143.00	0.0020	5207	60.08	5.83	60.41	5.42
NHH81173	BASE	500YR5DAY	60.32	133.94	138.00	0.0019	3537	59.50	0.76	0.00	0.00
NHH8118	BASE	500YR5DAY	120.20	133.51	138.91	0.0007	6757994	60.25	437.57	60.33	53.78
NHH81180	BASE	500YR5DAY	120.19	133.51	135.00	0.0007	1636656	60.58	100.84	60.59	46.84
NHH81181	BASE	500YR5DAY	120.18	133.51	141.71	0.0014	307873	60.50	40.36	61.56	34.77
NHH811811	BASE	500YR5DAY	120.19	133.51	135.00	0.0006	49885	60.00	5.03	60.00	5.02
NHH81182	BASE	500YR5DAY	120.20	133.51	141.00	0.0056	97039	60.25	5.03	69.64	402.56
NHH811821	BASE	500YR5DAY	120.19	133.51	136.00	-0.0006	28903	69.64	10.17	68.28	0.77
NHH81183	BASE	500YR5DAY	120.20	133.51	141.20	0.0007	664015	60.83	43.59	60.75	24.62
NHH811831	BASE	500YR5DAY	120.20	133.51	135.00	0.0006	324392	60.41	21.56	60.54	21.32
NHH81184	BASE	500YR5DAY	60.29	133.53	138.00	0.0001	3996	60.25	2.47	60.29	2.47
NHH811841	BASE	500YR5DAY	61.09	133.37	143.42	0.0064	448	61.09	9.43	61.09	9.43
NHH81185	BASE	500YR5DAY	60.21	135.04	144.90	0.0002	3324	60.17	4.33	60.21	4.32
NHH811851	BASE	500YR5DAY	61.23	133.78	144.90	-0.0079	478	60.49	11.40	60.51	11.38
NHH81186	BASE	500YR5DAY	61.35	133.76	143.25	0.0005	27997	61.17	11.71	61.35	11.63
NHH811861	BASE	500YR5DAY	119.36	132.54	143.25	0.0014	485	60.65	-6.65	60.67	-6.68
NHH81187	BASE	500YR5DAY	61.25	133.77	143.51	0.0003	22751	60.25	5.76	60.35	5.62
NHH811871	BASE	500YR5DAY	120.02	132.30	143.51	-0.0099	212	119.12	84.89	118.84	84.89
NHH81188	BASE	500YR5DAY	60.33	131.07	143.28	0.0100	887	59.86	8.77	60.33	7.78
NHH8119	BASE	500YR5DAY	63.38	133.31	141.64	0.0010	67312	60.00	7.99	63.38	2.51
NHH81192	BASE	500YR5DAY	121.00	133.90	141.66	0.0008	92674	60.00	6.79	0.00	0.00
NHH8120	BASE	500YR5DAY	60.31	135.48	145.17	0.0004	17152	60.17	5.01	60.31	4.88
NHH8125	BASE	500YR5DAY	61.20	133.90	142.28	0.0015	25576	60.08	10.08	60.75	7.46



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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8130	BASE	500YR5DAY	60.05	135.21	145.00	0.0002	10055	60.00	2.93	60.05	2.92
NHH8135	BASE	500YR5DAY	60.19	136.48	145.44	0.0002	9482	60.08	1.04	60.19	1.01
NHH8140	BASE	500YR5DAY	60.14	134.58	144.50	0.0001	4089	60.08	1.51	60.14	1.51
NHH8145	BASE	500YR5DAY	61.15	133.58	139.77	0.0011	42151	60.15	9.80	61.19	7.91
NHH8150	BASE	500YR5DAY	60.31	134.12	143.14	0.0011	3215	60.25	4.12	60.30	4.08
NHH8155	BASE	500YR5DAY	120.19	133.51	140.60	0.0006	91378	60.08	8.41	60.23	7.63
NHH8160	BASE	500YR5DAY	60.34	131.08	138.57	0.0061	1315	61.08	2.99	59.03	5.33
NHH8165	BASE	500YR5DAY	61.13	133.60	142.49	-0.0099	556	60.25	3.88	61.58	5.53
NHH8170	BASE	500YR5DAY	62.12	134.81	144.64	0.0006	45959	60.00	2.82	62.12	1.11
NHH8175	BASE	500YR5DAY	62.10	134.81	146.13	0.0025	408	60.10	1.28	60.11	1.26
NHH81751	BASE	500YR5DAY	60.10	136.25	143.64	0.0002	1162	60.08	1.28	60.10	1.27
NHH8180	BASE	500YR5DAY	60.09	136.73	140.00	0.0002	369	60.08	1.19	60.09	1.19
NHH8181	BASE	500YR5DAY	63.52	132.05	135.00	0.0004	3580402	60.58	190.87	62.90	100.34
NHH8190	BASE	500YR5DAY	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	500YR5DAY	66.67	133.95	142.00	0.0008	174	30.50	1.25	0.00	0.00
NO14131	BASE	500YR5DAY	60.03	134.02	142.00	0.0010	39418	59.29	4.35	0.00	0.00
NO14136	BASE	500YR5DAY	65.39	135.48	144.00	0.0008	127725	60.17	8.83	64.10	2.19
NO14211	BASE	500YR5DAY	66.82	133.94	143.00	0.0010	184141	60.08	25.27	60.31	24.02
NO14212	BASE	500YR5DAY	64.61	135.64	140.00	0.0053	44367	60.25	10.30	60.58	8.84
NO14220	BASE	500YR5DAY	66.82	133.94	141.00	0.0027	2131986	60.25	211.60	61.43	44.06
NO14230	BASE	500YR5DAY	61.09	134.99	145.00	0.0024	1317	61.00	3.22	61.09	3.18
NO14240	BASE	500YR5DAY	66.84	133.94	142.00	0.0011	25095	60.08	2.41	60.25	2.57
NO14250	BASE	500YR5DAY	60.30	135.51	145.00	0.0001	16112	60.25	3.67	60.30	3.65
BNDRY20	BASE	50YR24HR	0.00	131.00	141.74	0.0000	710	24.18	300.66	0.00	0.00
BNDRY22	BASE	50YR24HR	12.97	133.00	140.62	0.0015	64677	12.75	16.34	12.97	15.90
BNDRY23	BASE	50YR24HR	0.00	131.00	140.56	0.0000	340	16.17	64.33	0.00	0.00
BNDRY25	BASE	50YR24HR	0.00	131.50	132.00	0.0000	0	15.08	70.36	0.00	0.00
BNDRY26	BASE	50YR24HR	0.00	131.00	135.00	0.0000	0	12.97	15.90	0.00	0.00
NH8000	BASE	50YR24HR	30.83	133.14	142.00	0.0006	1350	0.00	0.00	27.67	178.73
NH8105	BASE	50YR24HR	35.69	133.07	141.79	0.0006	9976958	12.33	775.17	35.71	176.89
NHH8102	BASE	50YR24HR	35.69	133.07	142.00	0.0007	180615	12.75	3.91	39.87	0.70
NHH81052	BASE	50YR24HR	12.29	133.41	143.12	0.0008	1912	12.17	0.76	12.28	0.71
NHH81053	BASE	50YR24HR	12.37	135.63	146.00	0.0014	664	12.25	3.23	12.25	3.18
NHH81054	BASE	50YR24HR	12.60	135.90	143.84	0.0021	5459	12.33	4.23	12.60	3.71
NHH8116	BASE	50YR24HR	26.17	132.47	140.85	0.0007	47851591	12.25	3912.99	26.17	46.26
NHH81161	BASE	50YR24HR	30.17	136.49	145.59	0.0009	21229	13.17	0.36	0.00	0.00
NHH8117	BASE	50YR24HR	26.14	132.47	140.74	0.0008	7242379	12.33	659.54	12.78	103.76
NHH81171	BASE	50YR24HR	13.10	133.27	143.77	0.0015	32836	12.58	16.13	13.09	14.37
NHH81172	BASE	50YR24HR	12.52	133.90	143.00	0.0042	6061	12.17	8.10	12.47	6.66
NHH81173	BASE	50YR24HR	12.53	134.07	138.00	0.0046	7380	12.06	2.30	0.00	0.00
NHH8118	BASE	50YR24HR	17.41	131.90	138.91	0.0009	5675547	12.50	545.34	17.72	60.11
NHH81180	BASE	50YR24HR	17.29	131.90	135.00	0.0005	885508	12.83	111.62	12.77	78.21
NHH81181	BASE	50YR24HR	15.64	133.17	141.71	0.0023	249809	12.58	38.43	15.63	11.01
NHH811811	BASE	50YR24HR	12.20	132.77	135.00	0.0035	22343	12.00	9.81	12.20	7.92
NHH81182	BASE	50YR24HR	17.41	131.90	141.00	0.0009	65584	12.42	6.16	12.42	1.37
NHH811821	BASE	50YR24HR	12.49	132.29	136.00	0.0003	21560	12.08	1.03	0.00	0.00
NHH81183	BASE	50YR24HR	17.39	131.90	141.20	0.0005	304336	12.83	44.27	13.04	40.80
NHH811831	BASE	50YR24HR	12.74	132.41	135.00	0.0005	86895	12.58	21.75	12.74	20.87
NHH81184	BASE	50YR24HR	12.43	133.56	138.00	0.0003	4167	12.42	3.27	12.43	3.27

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH811841	BASE	50YR24HR	12.94	133.35	143.42	-0.0055	448	12.90	9.21	12.92	9.21
NHH81185	BASE	50YR24HR	12.35	135.07	144.90	0.0005	4336	12.33	6.05	12.35	6.04
NHH811851	BASE	50YR24HR	12.73	133.86	144.90	0.0036	496	12.81	12.65	12.83	12.67
NHH81186	BASE	50YR24HR	13.21	133.73	143.25	0.0009	26853	12.96	11.02	13.21	10.55
NHH811861	BASE	50YR24HR	14.91	131.70	143.25	0.0014	488	13.05	-5.07	13.05	-5.11
NHH81187	BASE	50YR24HR	12.58	133.78	143.51	0.0006	23165	12.42	7.27	12.58	6.92
NHH811871	BASE	50YR24HR	17.23	131.56	143.51	0.0100	522	17.06	60.63	17.05	60.63
NHH81188	BASE	50YR24HR	12.85	131.04	143.28	0.0098	894	12.62	8.77	12.85	5.72
NHH8119	BASE	50YR24HR	14.88	132.78	141.64	0.0012	63696	12.08	10.24	14.88	1.44
NHH81192	BASE	50YR24HR	25.00	132.55	141.66	0.0009	79388	12.08	9.73	0.00	0.00
NHH8120	BASE	50YR24HR	12.48	135.54	145.17	0.0009	17953	12.26	7.09	12.48	6.53
NHH8125	BASE	50YR24HR	12.82	134.01	142.28	0.0033	26428	12.17	15.72	13.13	9.08
NHH8130	BASE	50YR24HR	12.12	135.25	145.00	0.0003	10326	12.08	5.18	12.12	5.05
NHH8135	BASE	50YR24HR	12.35	136.51	145.44	0.0004	9920	12.17	1.62	12.35	1.47
NHH8140	BASE	50YR24HR	12.26	134.60	144.50	0.0003	4249	12.25	2.25	12.26	2.24
NHH8145	BASE	50YR24HR	13.07	133.55	139.77	0.0025	41144	12.39	16.30	13.18	7.25
NHH8150	BASE	50YR24HR	12.52	134.19	143.14	0.0023	4575	12.42	4.79	12.51	4.63
NHH8155	BASE	50YR24HR	17.44	131.90	140.60	0.0006	67702	12.17	10.22	12.59	7.55
NHH8160	BASE	50YR24HR	12.62	131.05	138.57	0.0061	1329	12.42	1.92	12.21	5.34
NHH8165	BASE	50YR24HR	13.05	133.56	142.49	-0.0093	550	12.33	5.21	12.39	8.08
NHH8170	BASE	50YR24HR	54.43	134.45	144.64	0.0010	42050	12.08	4.74	0.00	0.00
NHH8175	BASE	50YR24HR	54.42	134.45	146.13	-0.0082	397	12.21	1.93	12.24	1.92
NHH81751	BASE	50YR24HR	12.21	136.28	143.64	0.0004	1174	12.17	1.93	12.21	1.92
NHH8180	BASE	50YR24HR	12.25	136.75	140.00	0.0002	390	12.25	1.76	12.25	1.76
NHH8181	BASE	50YR24HR	15.08	131.89	135.00	0.0006	3212767	12.67	207.13	14.53	77.74
NHH8190	BASE	50YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	50YR24HR	22.33	133.15	142.00	0.0008	259	12.13	7.42	0.00	0.00
NO14131	BASE	50YR24HR	25.00	133.83	142.00	0.0027	37242	12.08	9.98	0.00	0.00
NO14136	BASE	50YR24HR	23.84	134.63	144.00	0.0013	103340	12.25	12.97	23.84	0.38
NO14211	BASE	50YR24HR	12.64	133.49	143.00	0.0007	159012	12.33	28.38	12.64	22.88
NO14212	BASE	50YR24HR	12.71	134.57	140.00	0.0097	4574	12.42	7.55	12.71	6.90
NO14220	BASE	50YR24HR	22.85	133.11	141.00	0.0016	1944643	12.42	227.84	39.50	39.77
NO14230	BASE	50YR24HR	12.18	135.28	145.00	-0.0056	4480	12.00	4.79	12.18	3.84
NO14240	BASE	50YR24HR	12.44	133.52	142.00	0.0014	18366	12.17	3.91	12.44	3.02
NO14250	BASE	50YR24HR	12.43	135.53	145.00	0.0003	16652	12.33	4.93	12.43	4.87

## Proposed Peace Creek Model Results

Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

==== Basins =====

Name: B0001 Node: NB0001 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0001 Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious (%)	DCIA (%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.033	21.000	8.00	0.095	13.040	0.375	2.047
2.015	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0002 Node: NB0002 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0002 Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious (%)	DCIA (%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.562	21.000	8.00	0.095	13.040	0.375	2.047
1.222	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0003 Node: NB0003 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0003 Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious (%)	DCIA (%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.075	0.000	0.00	3.167	13.040	0.385	2.047
0.032	0.000	0.00	5.136	13.040	0.391	2.047
0.115	21.000	8.00	0.095	13.040	0.375	2.047
3.290	21.000	8.00	3.167	13.040	0.385	2.047
0.422	21.000	8.00	5.136	13.040	0.391	2.047
0.289	100.000	100.00	0.095	13.040	0.375	2.047
0.496	100.000	100.00	3.167	13.040	0.385	2.047

Name: B0004 Node: NB0004 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0004 Storm Duration(hrs): 24.00  
Rainfall Amount (in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious (%)	DCIA (%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.492	21.000	8.00	0.095	13.040	0.375	2.047

Proposed Peace Creek Model (Basins 1-4)  
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1.301 21.000 8.00 5.136 13.040 0.391 2.047

Name: B0006 Node: NB0006 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0006 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.677	21.000	8.00	0.095	13.040	0.375	2.047
2.142	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0007 Node: NB0007 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0007 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.753	21.000	8.00	0.095	13.040	0.375	2.047
0.239	21.000	8.00	3.167	13.040	0.385	2.047
1.154	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0008 Node: NB0008 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0008 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.066	21.000	8.00	0.095	13.040	0.375	2.047
1.743	21.000	8.00	3.167	13.040	0.385	2.047
0.233	21.000	8.00	5.136	13.040	0.391	2.047
0.027	100.000	100.00	0.095	13.040	0.375	2.047
0.045	100.000	100.00	3.167	13.040	0.385	2.047

Name: B0009 Node: NB0009 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B0009 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 9.000 Time of Conc(min): 15.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.908	21.000	8.00	0.095	13.040	0.375	2.047
0.741	21.000	8.00	3.167	13.040	0.385	2.047

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Name: B0010                      Node: NB0010                      Status: Onsite  
 Group: B                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0010                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000              Time of Conc(min): 33.00  
                                             Time Shift (hrs): 0.00  
                                             Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.365	0.000	0.00	0.000	13.040	0.641	11.811
1.727	0.000	0.00	1.042	13.040	0.376	2.047
8.211	0.000	0.00	1.310	13.040	0.378	2.047
10.005	0.000	0.00	3.167	13.040	0.385	2.047
28.757	0.000	0.00	5.136	13.040	0.391	2.047
2.458	5.000	0.00	1.310	13.040	0.378	2.047
2.971	5.000	0.00	3.167	13.040	0.385	2.047
12.798	5.000	0.00	5.136	13.040	0.391	2.047
25.873	100.000	100.00	0.000	13.040	0.641	11.811
1.267	100.000	100.00	0.027	13.040	0.404	2.047
1.667	100.000	100.00	0.095	13.040	0.375	2.047
0.165	100.000	100.00	1.042	13.040	0.376	2.047
3.708	100.000	100.00	1.310	13.040	0.378	2.047
13.311	100.000	100.00	0.000	39.370	0.720	0.394

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Name: B0011                      Node: NB0011                      Status: Onsite  
 Group: B                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0011                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000              Time of Conc(min): 23.00  
                                             Time Shift (hrs): 0.00  
                                             Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.800	0.000	0.00	1.310	13.040	0.378	2.047
3.713	0.000	0.00	3.167	13.040	0.385	2.047
1.814	0.000	0.00	4.416	13.040	0.374	2.047
35.299	0.000	0.00	5.136	13.040	0.391	2.047
0.130	5.000	0.00	5.136	13.040	0.391	2.047

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Name: B0012                      Node: NB0012                      Status: Onsite  
 Group: B                              Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: B0012                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000              Time of Conc(min): 15.00  
                                             Time Shift (hrs): 0.00  
                                             Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.470	21.000	8.00	3.167	13.040	0.385	2.047
6.743	21.000	8.00	5.136	13.040	0.391	2.047
0.710	100.000	100.00	3.167	13.040	0.385	2.047
0.217	100.000	100.00	5.136	13.040	0.391	2.047

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Name: B0020                      Node: NB0020                      Status: Onsite

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 CR 557 Widening  
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Group: B

Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256  
 Rainfall File: B0020  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 32.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
8.475	0.000	0.00	3.245	13.040	0.366	4.331
2.286	0.000	0.00	3.167	13.040	0.385	2.047
22.042	0.000	0.00	5.136	13.040	0.391	2.047
9.918	21.000	8.00	0.095	13.040	0.375	2.047
1.120	21.000	8.00	3.245	13.040	0.366	4.331
1.445	21.000	8.00	3.167	13.040	0.385	2.047
1.819	21.000	8.00	5.136	13.040	0.391	2.047
0.686	21.000	8.00	0.000	39.370	0.720	0.394
1.564	100.000	100.00	0.095	13.040	0.375	2.047
0.759	100.000	100.00	5.136	13.040	0.391	2.047
48.415	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0023  
 Group: B

Node: NB0023  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0023  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 17.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.010	0.000	0.00	5.136	13.040	0.391	2.047
0.796	47.000	43.00	3.167	13.040	0.385	2.047
16.118	47.000	43.00	5.136	13.040	0.391	2.047
1.037	100.000	100.00	3.167	13.040	0.385	2.047
0.406	100.000	100.00	5.136	13.040	0.391	2.047

Name: B0027  
 Group: B

Node: NB0027  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0027  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 15.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
11.864	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0028  
 Group: B

Node: NB0028  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0028  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 19.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.229	21.000	8.00	4.416	13.040	0.374	2.047

24.835 21.000 8.00 5.136 13.040 0.391 2.047

Name: B0029 Node: NB0029 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0029 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 20.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
31.873	0.000	0.00	5.136	13.040	0.391	2.047
0.122	100.000	100.00	5.136	13.040	0.391	2.047

Name: B0030 Node: NB0030 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0030 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 33.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.548	0.000	0.00	1.310	13.040	0.378	2.047
9.169	0.000	0.00	3.167	13.040	0.385	2.047
43.629	0.000	0.00	5.136	13.040	0.391	2.047
1.025	5.000	0.00	0.094	13.040	0.366	2.047
0.918	5.000	0.00	0.217	13.040	0.396	2.047
2.463	5.000	0.00	3.167	13.040	0.385	2.047
4.650	5.000	0.00	5.136	13.040	0.391	2.047
0.012	10.000	5.00	5.136	13.040	0.391	2.047
1.755	100.000	100.00	0.000	13.040	0.409	2.047
0.671	100.000	100.00	0.000	13.040	0.641	11.811
12.297	100.000	100.00	0.000	13.040	0.852	11.811
0.497	100.000	100.00	0.094	13.040	0.366	2.047
4.525	100.000	100.00	0.217	13.040	0.396	2.047
1.483	100.000	100.00	1.310	13.040	0.378	2.047
1.951	100.000	100.00	3.167	13.040	0.385	2.047
21.544	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0031 Node: NB0031 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0031 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 15.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.002	0.000	0.00	0.000	13.040	0.641	11.811
0.037	0.000	0.00	0.095	13.040	0.375	2.047
0.468	21.000	8.00	0.095	13.040	0.375	2.047
1.006	21.000	8.00	1.310	13.040	0.378	2.047
1.586	21.000	8.00	4.416	13.040	0.374	2.047
8.967	21.000	8.00	5.136	13.040	0.391	2.047



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Name: B0033 Node: NB0033 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0033 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 18.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
4.987	21.000	8.00	4.416	13.040	0.374	2.047
17.998	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0038 Node: NB0038 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0038 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 16.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.547	21.000	8.00	0.095	13.040	0.375	2.047
6.723	21.000	8.00	3.167	13.040	0.385	2.047
10.807	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0039 Node: NB0039 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0039 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 15.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.386	21.000	8.00	3.167	13.040	0.385	2.047
7.351	21.000	8.00	5.136	13.040	0.391	2.047

Name: B0040 Node: NB0040 Status: Onsite  
 Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: B0040 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 9.000 Time of Conc(min): 87.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
3.230	0.000	0.00	0.000	13.040	0.641	11.811
1.634	0.000	0.00	0.094	13.040	0.366	2.047
2.746	0.000	0.00	0.095	13.040	0.375	2.047
2.589	0.000	0.00	1.042	13.040	0.376	2.047
11.093	0.000	0.00	1.310	13.040	0.378	2.047
43.217	0.000	0.00	3.167	13.040	0.385	2.047
1.434	0.000	0.00	4.416	13.040	0.374	2.047
119.872	0.000	0.00	5.136	13.040	0.391	2.047
1.538	5.000	0.00	0.094	13.040	0.366	2.047

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0.068	5.000	0.00	0.217	13.040	0.396	2.047
0.533	5.000	0.00	1.042	13.040	0.376	2.047
3.456	5.000	0.00	1.310	13.040	0.378	2.047
4.005	5.000	0.00	3.167	13.040	0.385	2.047
1.191	5.000	0.00	4.416	13.040	0.374	2.047
10.075	5.000	0.00	5.136	13.040	0.391	2.047
0.594	5.000	2.00	1.164	12.992	0.378	2.047
4.030	5.000	2.00	1.031	13.040	0.386	2.165
2.618	5.000	2.00	1.310	13.040	0.378	2.047
8.784	5.000	2.00	5.136	13.040	0.391	2.047
2.831	10.000	5.00	5.136	13.040	0.391	2.047
1.847	21.000	8.00	1.100	12.992	0.380	4.331
0.463	21.000	8.00	1.164	12.992	0.378	2.047
5.706	21.000	8.00	0.000	13.040	0.384	2.047
0.375	21.000	8.00	0.000	13.040	0.852	11.811
2.254	21.000	8.00	0.095	13.040	0.375	2.047
2.394	21.000	8.00	1.031	13.040	0.386	2.165
8.025	21.000	8.00	1.310	13.040	0.378	2.047
24.428	21.000	8.00	3.167	13.040	0.385	2.047
2.142	21.000	8.00	4.416	13.040	0.374	2.047
60.417	21.000	8.00	5.136	13.040	0.391	2.047
0.738	21.000	8.00	0.000	39.370	0.720	0.394
0.755	47.000	43.00	3.167	13.040	0.385	2.047
2.361	47.000	43.00	5.136	13.040	0.391	2.047
0.071	50.000	45.00	0.095	13.040	0.375	2.047
0.338	50.000	45.00	5.136	13.040	0.391	2.047
2.543	62.000	56.00	1.164	12.992	0.378	2.047
12.569	62.000	56.00	5.136	13.040	0.391	2.047
6.891	77.000	72.00	1.164	12.992	0.378	2.047
2.385	100.000	100.00	0.000	13.040	0.384	2.047
11.369	100.000	100.00	0.000	13.040	0.409	2.047
40.322	100.000	100.00	0.000	13.040	0.641	11.811
23.682	100.000	100.00	0.000	13.040	0.852	11.811
18.879	100.000	100.00	0.027	13.040	0.404	2.047
197.272	100.000	100.00	0.094	13.040	0.366	2.047
4.228	100.000	100.00	0.095	13.040	0.375	2.047
1.471	100.000	100.00	0.217	13.040	0.396	2.047
1.779	100.000	100.00	1.042	13.040	0.376	2.047
3.226	100.000	100.00	1.031	13.040	0.386	2.165
46.917	100.000	100.00	1.310	13.040	0.378	2.047
3.914	100.000	100.00	3.167	13.040	0.385	2.047
0.236	100.000	100.00	5.136	13.040	0.391	2.047
658.097	100.000	100.00	0.000	39.370	0.720	0.394

Name: B0042  
 Group: B

Node: NB0042  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B0042  
 Rainfall Amount(in): 9.000

Peaking Factor: 256.0  
 Storm Duration(hrs): 24.00  
 Time of Conc(min): 17.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd(in)
0.527	0.000	0.00	0.095	13.040	0.375	2.047
7.029	0.000	0.00	5.136	13.040	0.391	2.047
0.040	5.000	0.00	3.167	13.040	0.385	2.047
1.282	50.000	45.00	0.000	13.040	0.852	11.811
4.559	50.000	45.00	0.095	13.040	0.375	2.047
5.106	50.000	45.00	5.136	13.040	0.391	2.047
0.010	100.000	100.00	0.095	13.040	0.375	2.047
0.002	100.000	100.00	1.310	13.040	0.378	2.047

Name: B2010  
 Group: B

Node: NB2010  
 Type: SCS Unit Hydrograph GA

Status: Onsite

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Unit Hydrograph: Uh256  
 Rainfall File: B2010  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 30.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.504	0.000	0.00	0.000	13.040	0.641	11.811
5.314	0.000	0.00	1.310	13.040	0.378	2.047
27.521	0.000	0.00	3.167	13.040	0.385	2.047
25.244	0.000	0.00	5.136	13.040	0.391	2.047
1.910	21.000	8.00	0.000	13.040	0.641	11.811
0.815	21.000	8.00	1.310	13.040	0.378	2.047
5.600	100.000	100.00	0.000	13.040	0.641	11.811
4.522	100.000	100.00	0.000	13.040	0.852	11.811
0.355	100.000	100.00	3.167	13.040	0.385	2.047
13.790	100.000	100.00	0.000	39.370	0.720	0.394

Name: B2020  
 Group: B

Node: NB2020  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B2020  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 40.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
6.484	0.000	0.00	0.000	13.040	0.641	11.811
12.034	0.000	0.00	1.310	13.040	0.378	2.047
4.511	0.000	0.00	3.167	13.040	0.385	2.047
49.077	0.000	0.00	5.136	13.040	0.391	2.047
0.913	0.000	0.00	1.412	35.008	0.387	2.165
1.212	21.000	8.00	0.000	13.040	0.641	11.811
1.379	21.000	8.00	0.071	13.040	0.400	2.047
13.255	21.000	8.00	1.310	13.040	0.378	2.047
0.144	21.000	8.00	3.167	13.040	0.385	2.047
0.062	21.000	8.00	1.373	35.008	0.399	2.047
26.195	100.000	100.00	0.000	13.040	0.641	11.811
65.734	100.000	100.00	0.000	13.040	0.852	11.811
0.940	100.000	100.00	1.310	13.040	0.378	2.047
0.010	100.000	100.00	1.412	35.008	0.387	2.165

Name: B2022  
 Group: B

Node: NB2022  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B2022  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 15.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.842	0.000	0.00	0.000	13.040	0.641	11.811
0.766	100.000	100.00	0.000	13.040	0.641	11.811
0.048	100.000	100.00	1.412	35.008	0.387	2.165

Name: B2030  
 Group: B

Node: NB2030  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256

Peaking Factor: 256.0

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Rainfall File: B2030  
 Rainfall Amount (in): 9.000

Storm Duration(hrs): 24.00  
 Time of Conc(min): 15.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.021	0.000	0.00	0.000	13.040	0.641	11.811
0.537	0.000	0.00	1.412	35.008	0.387	2.165
0.399	100.000	100.00	0.000	13.040	0.641	11.811
2.578	100.000	100.00	1.412	35.008	0.387	2.165
0.722	100.000	100.00	0.000	39.370	0.720	0.394

Name: B2040  
 Group: B

Node: NB2040  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B2040  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration(hrs): 24.00  
 Time of Conc(min): 36.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
6.104	0.000	0.00	0.000	13.040	0.378	2.047
3.816	0.000	0.00	0.000	13.040	0.641	11.811
1.519	0.000	0.00	1.042	13.040	0.376	2.047
0.894	0.000	0.00	1.310	13.040	0.378	2.047
0.633	0.000	0.00	3.167	13.040	0.385	2.047
76.424	0.000	0.00	5.136	13.040	0.391	2.047
0.133	0.000	0.00	1.412	35.008	0.387	2.165
4.576	100.000	100.00	0.000	13.040	0.378	2.047
2.870	100.000	100.00	0.000	13.040	0.641	11.811
45.129	100.000	100.00	0.000	39.370	0.720	0.394

Name: B2050  
 Group: B

Node: NB2050  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: B2050  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration(hrs): 24.00  
 Time of Conc(min): 13.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.719	0.000	0.00	0.000	13.040	0.641	11.811
3.264	0.000	0.00	1.042	13.040	0.376	2.047
3.164	0.000	0.00	3.167	13.040	0.385	2.047
11.336	0.000	0.00	5.136	13.040	0.391	2.047
1.737	0.000	0.00	1.412	35.008	0.387	2.165
5.227	100.000	100.00	0.000	13.040	0.641	11.811
1.299	100.000	100.00	0.000	13.040	0.852	11.811
0.252	100.000	100.00	1.042	13.040	0.376	2.047
0.022	100.000	100.00	1.412	35.008	0.387	2.165

Name: B2055  
 Group: B

Node: NB2055  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File:  
 Rainfall Amount (in): 9.000

Peaking Factor: 256.0  
 Storm Duration(hrs): 24.00  
 Time of Conc(min): 13.00  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

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Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
31.878	0.000	0.00	5.136	13.040	0.391	2.047

Name: B2070 Node: NB2070 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B2070 Storm Duration (hrs): 24.00  
Rainfall Amount (in): 9.000 Time of Conc (min): 54.00  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
3.557	0.000	0.00	0.000	13.040	0.366	2.047
1.928	0.000	0.00	0.000	13.040	0.641	11.811
8.639	0.000	0.00	0.071	13.040	0.400	2.047
0.136	0.000	0.00	0.095	13.040	0.375	2.047
29.360	0.000	0.00	0.217	13.040	0.396	2.047
7.268	0.000	0.00	1.042	13.040	0.376	2.047
8.526	0.000	0.00	2.674	13.040	0.376	2.047
13.214	0.000	0.00	3.245	13.040	0.366	4.331
2.671	0.000	0.00	4.416	13.040	0.374	2.047
19.858	0.000	0.00	5.136	13.040	0.391	2.047
4.769	21.000	8.00	0.000	13.040	0.641	11.811
11.545	21.000	8.00	0.000	13.040	0.852	11.811
10.984	21.000	8.00	0.071	13.040	0.400	2.047
4.568	21.000	8.00	0.217	13.040	0.396	2.047
11.285	21.000	8.00	1.042	13.040	0.376	2.047
18.151	21.000	8.00	1.310	13.040	0.378	2.047
2.882	21.000	8.00	2.674	13.040	0.376	2.047
1.781	21.000	8.00	3.245	13.040	0.366	4.331
2.131	21.000	8.00	3.167	13.040	0.385	2.047
12.631	21.000	8.00	1.373	35.008	0.399	2.047
0.791	21.000	8.00	0.000	39.370	0.720	0.394
0.923	100.000	100.00	0.000	13.040	0.366	2.047
34.526	100.000	100.00	0.000	13.040	0.641	11.811
21.789	100.000	100.00	0.000	13.040	0.852	11.811
2.250	100.000	100.00	0.071	13.040	0.400	2.047
0.745	100.000	100.00	0.217	13.040	0.396	2.047
0.971	100.000	100.00	1.042	13.040	0.376	2.047
0.465	100.000	100.00	3.245	13.040	0.366	4.331
168.172	100.000	100.00	0.000	39.370	0.720	0.394

Name: B2120 Node: NB2120 Status: Onsite  
Group: B Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: B2120 Storm Duration (hrs): 24.00  
Rainfall Amount (in): 9.000 Time of Conc (min): 33.00  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
6.977	0.000	0.00	0.000	13.040	0.366	2.047
8.878	0.000	0.00	0.000	13.040	0.852	11.811
1.217	0.000	0.00	0.095	13.040	0.375	2.047
9.414	0.000	0.00	1.042	13.040	0.376	2.047
1.318	0.000	0.00	3.167	13.040	0.385	2.047
30.362	0.000	0.00	5.136	13.040	0.391	2.047
0.652	5.000	0.00	0.095	13.040	0.375	2.047
0.117	5.000	0.00	3.167	13.040	0.385	2.047
7.949	5.000	0.00	5.136	13.040	0.391	2.047
39.913	100.000	100.00	0.000	13.040	0.852	11.811

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0.378                  100.000                  100.00                  5.136                  13.040                  0.391                  2.047

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Name: BASIN1A                          Node: POND1A                          Status: Onsite
Group: B                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0
Rainfall File:                                  Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000                          Time of Conc(min): 10.00
Area(ac): 1.870                                  Time Shift(hrs): 0.00
Curve Number: 69.60                          Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
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Name: BASIN1B                          Node: POND1B                          Status: Onsite
Group: B                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0
Rainfall File:                                  Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000                          Time of Conc(min): 35.00
Area(ac): 17.420                                  Time Shift(hrs): 0.00
Curve Number: 62.14                          Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
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Name: BASIN2                            Node: POND2                            Status: Onsite
Group: B                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0
Rainfall File:                                  Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000                          Time of Conc(min): 26.00
Area(ac): 18.760                                  Time Shift(hrs): 0.00
Curve Number: 69.64                          Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
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-----
Name: BASIN3                            Node: POND3                            Status: Onsite
Group: B                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0
Rainfall File:                                  Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000                          Time of Conc(min): 33.00
Area(ac): 13.030                                  Time Shift(hrs): 0.00
Curve Number: 89.04                          Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
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Name: BASIN4                            Node: POND4                            Status: Onsite
Group: B                                  Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                          Peaking Factor: 256.0
Rainfall File:                                  Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000                          Time of Conc(min): 54.00
Area(ac): 17.690                                  Time Shift(hrs): 0.00
Curve Number: 71.74                          Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
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==== Nodes =====
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147.100	1.7610
149.600	1.7930
164.600	1.7930

Name: NB0006	Base Flow(cfs): 0.000	Init Stage(ft): 139.090
Group: B		Warn Stage(ft): 144.090
Type: Stage/Area		

Stage(ft)	Area(ac)
138.090	0.1000
138.100	0.2630
141.400	0.5450
146.400	1.3980
151.000	2.2860
158.200	2.8180
173.200	2.8180

Name: NB0007	Base Flow(cfs): 0.000	Init Stage(ft): 139.090
Group: B		Warn Stage(ft): 144.090
Type: Stage/Area		

Stage(ft)	Area(ac)
138.090	0.1000
138.100	0.1760
141.200	0.3730
146.100	1.0970
150.700	1.9240
158.200	2.1460
173.200	2.1460

Name: NB0008	Base Flow(cfs): 0.000	Init Stage(ft): 138.090
Group: B		Warn Stage(ft): 143.090
Type: Stage/Area		

Stage(ft)	Area(ac)
138.090	0.1000
144.000	0.3390
148.000	0.7800
158.200	2.1140
173.200	2.1140

Name: NB0009	Base Flow(cfs): 0.000	Init Stage(ft): 139.090
Group: B		Warn Stage(ft): 144.090
Type: Stage/Area		

Stage(ft)	Area(ac)
138.090	0.1000
150.000	1.4720
150.100	1.6440
151.200	1.6490

Name: NB0010	Base Flow(cfs): 0.000	Init Stage(ft): 129.600
Group: B		Warn Stage(ft): 135.100
Type: Stage/Area		



Proposed Peace Creek Model (Basins 1-4)  
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Stage (ft)	Area (ac)
120.400	0.1000
120.500	3.9750
121.000	4.3980
121.500	4.8360
122.000	5.2940
122.500	5.7550
123.000	6.2250
124.500	7.7190
125.000	8.2430
125.500	8.7670
126.000	9.3180
126.500	9.8690
127.000	10.4250
128.500	12.1990
129.000	12.8090
129.500	13.4340
130.000	14.0670
131.500	34.6870
132.000	38.4050
132.500	40.2970
133.000	42.0270
133.500	44.3810
134.000	45.9020
134.500	47.2020
135.000	48.7180
135.500	51.0990
136.500	55.6870
137.000	57.8400
137.500	59.6640
138.500	62.8820
139.000	64.6040
141.000	70.9650
141.500	72.6710
142.000	74.3230
142.500	75.7060
143.000	77.0700
144.000	79.5360
144.500	80.7150
145.000	81.8540
145.500	83.3210
146.000	84.8970
146.500	86.4360
147.000	87.8970
147.500	88.5350
148.000	89.0090
148.500	89.4590
149.000	89.8760
149.500	90.2730
150.000	90.6580
150.500	91.0040
151.000	91.3410
151.500	91.6480
152.500	92.2150
153.000	92.4890
153.500	92.7600
154.000	93.0270
155.000	93.5410
155.500	93.7790
156.000	94.0080
157.500	94.6330
158.000	94.8370
158.500	95.0470
161.000	96.0230
162.500	96.5770
165.500	97.5940
166.000	97.7700
167.000	98.1620
167.500	98.3390
168.000	98.5180
168.500	98.7380

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169.000	99.0140
169.500	99.2680
176.500	101.9020
177.000	102.0900
177.500	102.2750
178.000	102.4890
178.500	102.7220
179.500	103.4030
181.500	104.5130
182.000	104.7890
182.500	105.0860
183.000	105.3940
183.500	105.7510
184.000	106.1520
184.500	106.6680
185.000	107.4690
186.000	109.4780
186.500	111.1980
189.000	113.2830

Name: NB0011	Base Flow(cfs): 0.000	Init Stage(ft): 136.400
Group: B		Warn Stage(ft): 141.400
Type: Stage/Area		

Stage (ft)	Area (ac)
136.200	0.1000
137.200	0.1510
137.700	0.4250
138.200	0.8360
138.700	1.2660
139.200	1.7080
139.700	2.2060
140.700	3.3170
141.200	3.8480
141.700	4.4470
142.200	5.0710
142.700	5.7540
143.700	7.7670
144.700	9.4070
145.200	10.2200
145.700	11.0620
146.200	11.8380
147.700	13.9830
148.200	14.6990
149.700	16.9710
150.200	17.7570
150.700	18.5970
151.700	21.3240
152.200	22.4900
152.700	23.7370
153.200	25.0640
153.700	26.2360
154.200	27.1360
154.700	27.9760
155.200	28.7490
155.700	29.5310
156.700	31.1620
157.200	32.0360
157.700	33.0800
158.200	33.8950
158.700	34.3950
159.200	34.7780
159.700	34.9240
161.700	35.3850
163.700	35.8020
164.200	35.9020
166.200	36.2730
169.200	36.7760
169.700	36.8560

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170.700	37.0520
171.200	37.1550
171.700	37.2570
172.200	37.3640
172.700	37.5070
175.200	38.1060
176.700	38.4460
178.200	38.7430
181.200	39.4550
181.700	39.5870
182.200	39.7540
182.700	39.9680
183.200	40.1790
183.700	40.4580
185.700	41.7520

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Name: NB0012	Base Flow(cfs): 0.000	Init Stage(ft): 148.090
Group: B		Warn Stage(ft): 153.090
Type: Stage/Area		

Stage (ft)	Area (ac)
148.090	0.1000
148.100	1.0660
152.700	1.6390
154.200	2.2270
155.700	3.1800
156.800	4.1230
158.000	5.3550
173.300	8.1400
188.300	8.1400

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Name: NB0020	Base Flow(cfs): 0.000	Init Stage(ft): 137.500
Group: B		Warn Stage(ft): 141.100
Type: Stage/Area		

Stage (ft)	Area (ac)
121.300	0.1000
121.400	23.2770
122.400	24.6950
123.900	26.8890
124.400	27.6380
124.900	28.3920
126.900	31.5380
127.400	32.3570
127.900	33.1730
128.400	34.1670
129.400	35.8680
130.900	38.4860
131.400	39.3690
132.900	42.1070
134.400	44.9340
134.900	45.8940
135.400	46.8650
135.900	47.8420
136.900	54.3170
137.400	55.9640
137.900	57.3130
138.400	58.1950
139.400	59.7340
139.900	60.7030
140.400	61.7920
140.900	62.5860
141.400	63.2550
142.400	64.4810
142.900	65.1100

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143.900	66.4600
144.400	67.2660
144.900	68.0680
145.400	68.9620
145.900	70.0120
146.400	71.3140
146.900	72.7190
147.400	74.2010
147.900	75.8160
148.400	77.4540
148.900	79.1270
150.400	85.2540
150.900	86.7360
151.400	88.2030
151.900	89.0010
152.900	90.3130
153.400	91.0100
154.400	93.6250
154.900	94.5910
155.400	95.3000
155.900	95.8120
159.400	98.5310

Name: NB0023	Base Flow(cfs): 0.000	Init Stage(ft): 130.620
Group: B		Warn Stage(ft): 135.620
Type: Stage/Area		

Stage (ft)	Area (ac)
130.200	0.1000
131.200	0.2120
131.700	0.5520
132.200	1.0340
132.700	1.2280
133.200	1.3140
133.700	1.4110
134.200	1.4690
134.700	1.5420
137.200	1.8000
137.700	1.8410
140.700	2.1930
147.200	2.9030
147.700	2.9490
149.700	3.2020
152.200	3.5610
152.700	3.6540
153.200	3.7930
153.700	4.0440
154.200	4.7100
155.200	6.3670
156.200	7.7540
156.700	8.2900
157.200	8.9610
158.200	11.7510
159.200	14.3890
159.700	14.9430
160.200	15.7230
160.700	16.1200
161.200	16.2170
161.700	16.3070
162.200	16.3750
164.700	16.6150
165.200	16.6850
165.700	16.8860
166.200	17.2660
166.700	17.6130
167.200	17.9630
169.700	18.3670

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Name: NB0027                          Base Flow(cfs): 0.000                          Init Stage(ft): 140.910  
 Group: B                                          Warn Stage(ft): 145.910  
 Type: Stage/Area

Stage (ft)	Area (ac)
140.090	0.1000
140.100	0.4910
143.900	0.9720
149.500	2.4050
154.800	4.0040
160.800	6.1570
165.400	8.0440
171.000	10.6280
183.500	11.8640
198.500	11.8640

Name: NB0028                          Base Flow(cfs): 0.000                          Init Stage(ft): 140.700  
 Group: B                                          Warn Stage(ft): 145.700  
 Type: Stage/Area

Stage (ft)	Area (ac)
140.090	0.1000
140.100	1.5790
143.000	2.5130
144.000	3.1480
144.100	3.4190
148.200	5.3510
152.100	7.5460
157.200	10.8780
162.300	14.7450
171.000	22.5060
184.000	25.0650
199.000	25.0650

Name: NB0029                          Base Flow(cfs): 0.000                          Init Stage(ft): 158.100  
 Group: B                                          Warn Stage(ft): 163.100  
 Type: Stage/Area

Stage (ft)	Area (ac)
158.100	0.1000
158.700	0.3360
159.700	1.5790
160.200	2.1530
160.700	2.7370
161.200	3.4360
161.700	4.4410
162.200	5.7780
163.200	9.5090
163.700	11.7430
164.200	13.4850
164.700	15.1280
165.200	16.6250
165.700	18.0840
166.200	19.6730
166.700	21.3380
167.200	22.6560
167.700	24.2400
168.200	26.8330
169.700	31.9410

Name: NB0030                          Base Flow(cfs): 0.000                          Init Stage(ft): 130.200

Group: B  
 Type: Stage/Area

Warn Stage(ft): 134.900

Stage (ft)	Area (ac)
127.800	0.1000
128.400	21.8400
129.900	24.6290
130.400	40.2570
130.900	42.0840
131.400	42.8710
131.900	43.4680
132.400	44.2690
132.900	45.0850
133.400	45.8250
133.900	46.4530
134.400	47.0870
135.900	48.8500
136.400	49.4590
136.900	50.0740
137.400	50.7420
139.900	54.0770
140.400	54.7180
141.900	56.7580
143.900	59.4470
144.400	60.1570
145.400	61.3610
146.400	62.6300
146.900	63.2720
147.900	64.4920
148.400	65.1450
148.900	65.8050
149.400	66.4790
151.900	69.9400
153.900	72.7470
154.400	73.4480
154.900	74.1780
155.400	74.9270
156.400	76.4870
156.900	77.2750
157.400	78.0780
157.900	78.9040
158.400	79.7700
158.900	80.6190
159.400	81.5720
161.400	85.7000
161.900	86.7490
162.400	87.9490
162.900	89.2590
164.400	93.6960
164.900	95.1450
165.400	96.5240
166.400	99.4400
166.900	101.1430
168.400	105.3740
168.900	106.8850
170.900	109.1370

Name: NB0031  
 Group: B  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 141.000  
 Warn Stage(ft): 146.000

Stage (ft)	Area (ac)
140.090	0.1000
140.100	0.4050
149.600	2.1970
155.800	3.6520

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161.400	5.2740
167.100	11.9480
171.200	12.0660
186.200	12.0660

Name: NB0033	Base Flow(cfs): 0.000	Init Stage(ft): 147.000
Group: B		Warn Stage(ft): 152.000
Type: Stage/Area		

Stage(ft)	Area(ac)
146.090	0.1000
146.100	0.8510
149.000	1.4380
151.000	2.0450
153.800	3.2300
156.600	4.7830
160.500	7.5700
164.400	11.0900
169.000	16.1820
176.800	22.9850
191.800	22.9850

Name: NB0038	Base Flow(cfs): 0.000	Init Stage(ft): 141.000
Group: B		Warn Stage(ft): 146.000
Type: Stage/Area		

Stage(ft)	Area(ac)
136.200	0.1000
140.100	0.9350
144.100	1.3700
145.400	1.8040
145.500	1.8430
145.600	1.9510
149.300	3.0380
152.200	4.0000
156.300	5.5150
160.400	7.2290
164.700	9.2160
169.000	11.4050
169.100	18.0770

Name: NB0039	Base Flow(cfs): 0.000	Init Stage(ft): 152.000
Group: B		Warn Stage(ft): 157.000
Type: Stage/Area		

Stage(ft)	Area(ac)
151.090	0.1000
151.100	0.1580
155.200	0.5060
158.400	1.1420
162.000	2.0920
164.300	2.8400
169.000	4.6860
169.100	8.7360
173.600	8.7370
188.600	8.7370

Name: NB0040	Base Flow(cfs): 0.000	Init Stage(ft): 130.200
Group: B		Warn Stage(ft): 133.020
Type: Stage/Area		

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Stage (ft)	Area (ac)
114.900	0.1000
115.000	595.2840
117.000	613.1370
121.000	649.3510
121.500	653.9330
124.500	681.6290
128.000	714.4280
128.500	719.1990
129.000	724.1600
129.500	733.3620
130.000	843.4620
130.300	887.9700
131.000	984.7200
131.800	1010.7300
132.000	1015.9340
132.500	1025.3560
133.000	1033.1890
133.500	1041.9350
134.000	1048.9820
135.000	1061.4810
135.500	1067.8510
136.000	1074.2840
137.000	1085.6050
137.500	1090.8490
138.000	1096.0560
138.500	1101.3270
139.000	1106.3630
139.500	1111.1890
140.000	1116.2320
140.500	1120.7730
141.000	1125.1730
142.500	1137.4990
143.000	1141.7660
143.500	1145.9900
145.500	1161.8830
146.000	1165.9760
146.500	1170.1430
147.500	1178.5390
149.000	1192.1500
150.000	1200.1390
151.500	1212.9990
152.000	1216.9490
152.500	1220.9480
153.000	1224.3860
153.500	1227.9450
154.000	1231.4910
155.000	1237.7270
155.500	1240.9140
157.000	1253.2360
158.000	1262.3570
158.500	1266.3140
159.000	1270.1480
159.500	1273.6750
161.000	1283.8400
162.500	1294.2360
163.000	1297.6260
163.500	1301.0360
164.000	1304.3230
164.500	1307.6200
165.500	1313.8640
166.000	1317.1070
167.500	1326.9780
168.000	1330.4140
168.500	1333.9210
169.000	1337.2450
169.500	1340.1600
170.000	1342.8050
170.500	1345.4270



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171.000	1347.6490
171.500	1349.7990
172.000	1351.3790
172.500	1352.7160
173.500	1355.0080
174.000	1356.1460
174.500	1357.2160
175.500	1359.0290
176.000	1360.0130
176.500	1361.0640
177.000	1362.0770
177.500	1362.7630
179.000	1364.5360
179.500	1365.2570
180.000	1365.8890
180.500	1366.1460
181.000	1366.4280
181.500	1366.7300
182.000	1367.0340
183.000	1367.7000
184.000	1368.3350
184.500	1368.6810
185.000	1369.0570
185.500	1369.4420
186.000	1369.9020
186.500	1370.4080
187.500	1371.6940
188.000	1372.3850
189.500	1373.6060

Name: NB0042	Base Flow(cfs): 0.000	Init Stage(ft): 130.200
Group: B		Warn Stage(ft): 135.200
Type: Stage/Area		

Stage (ft)	Area (ac)
129.400	0.1000
130.400	0.3060
131.400	1.2630
131.900	1.6350
132.900	2.1840
133.400	2.4730
133.900	2.8470
134.400	3.1140
134.900	3.3750
135.400	3.5100
136.400	3.7180
136.900	3.8130
137.400	3.9110
138.400	4.0610
138.900	4.1290
139.400	4.2030
141.400	4.5930
142.400	4.7640
142.900	4.8360
143.400	4.9200
147.400	5.4550
149.900	5.8140
150.400	5.9040
151.400	6.1340
153.400	6.6250
153.900	6.7230
154.400	6.8180
154.900	6.9320
156.900	7.3870
157.400	7.5330
157.900	7.7140
158.400	7.8720
158.900	8.1010
160.900	9.6450

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161.400	10.0140
161.900	10.3240
162.400	10.5530
163.400	10.8320
165.900	11.5970
167.400	12.1540
167.900	12.3380
170.900	13.6230
171.400	13.8300
171.900	14.0400
172.400	14.2920
175.900	16.0270
176.400	16.2670
177.400	16.8230
177.900	17.0940
179.900	18.5540

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Name: NB0043                      Base Flow(cfs): 0.000                      Init Stage(ft): 143.090  
Group: B                                              Warn Stage(ft): 148.090  
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	143.090
200.00	143.090

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Name: NB0050                      Base Flow(cfs): 0.000                      Init Stage(ft): 129.420  
Group: B                                              Warn Stage(ft): 133.600  
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	129.420
200.00	129.420

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Name: NB0102                      Base Flow(cfs): 0.000                      Init Stage(ft): 139.200  
Group: B                                              Warn Stage(ft): 144.200  
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	139.200
200.00	139.200

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Name: NB2010                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.250  
Group: B                                              Warn Stage(ft): 136.250  
Type: Stage/Area

Stage(ft)	Area(ac)
121.300	0.1000
121.400	5.8570
122.400	6.5880
122.900	6.9730
123.400	7.3610
123.900	7.7610
125.400	9.0320
125.900	9.4740
126.900	10.3900
127.400	10.8600
128.400	11.9360

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129.400	12.9590
129.900	13.4880
130.400	14.0230
130.900	14.5620
131.400	17.4290
132.400	23.9280
132.900	26.3680
133.400	28.1640
133.900	29.3800
134.400	30.4130
134.900	31.5080
135.400	32.8160
135.900	34.1650
137.900	38.7650
138.400	39.9830
138.900	41.2340
139.400	42.3220
140.400	44.3080
140.900	45.4940
141.400	46.4180
141.900	47.0980
143.400	48.7740
143.900	49.3490
144.400	50.0220
144.900	50.8060
145.900	52.5180
146.900	54.0790
147.400	54.9540
147.900	55.8680
148.400	56.8030
148.900	57.8500
151.400	63.3250
152.400	65.5300
152.900	66.6710
153.400	67.8580
153.900	69.0690
154.400	70.3880
154.900	71.8780
156.400	76.9400
156.900	78.4250
157.400	79.6490
157.900	80.9450
158.400	82.4990
159.400	84.3930
160.900	86.0060
161.400	86.5190
162.900	87.5750

Name: NB2020                      Base Flow(cfs): 0.000                      Init Stage(ft): 129.600  
 Group: B                              Warn Stage(ft): 134.600  
 Type: Stage/Area

Stage (ft)	Area (ac)
128.790	78.5400
130.000	81.6000
131.000	83.1000
132.500	92.7100
133.000	100.1290
133.500	104.3640
134.000	106.9110
136.000	116.7190
136.500	118.8530
138.000	123.3220
138.500	124.7560
139.000	126.1360
139.500	127.6350
140.000	128.6750
140.500	129.5910
141.500	131.3460



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Stage (ft)	Area (ac)
116.100	0.1000
116.110	21.3630
118.100	24.4700
118.600	25.2730
119.100	26.0700
120.600	28.5620
121.100	29.4270
121.600	30.2770
123.100	32.9210
123.600	33.8190
124.100	34.7350
125.600	37.5290
126.600	39.4420
127.100	40.4170
127.600	41.4100
128.100	42.2130
128.600	43.2380
129.600	45.3240
130.100	46.4150
130.600	47.5160
131.100	48.6270
131.600	50.7670
132.100	53.6360
132.600	55.4410
133.100	57.0670
133.600	58.0530
134.100	58.9680
134.600	59.7890
135.100	60.5360
135.600	61.2740
136.600	63.4100
137.100	64.4440
138.100	65.8080
138.600	66.6250
139.100	67.5290
139.600	68.5560
140.100	69.7420
140.600	70.9190
141.600	72.9260
144.100	78.1590
144.600	79.2110
146.100	82.2260
148.600	87.3480
151.600	93.2940
152.600	95.3280
154.600	99.5560
155.100	100.6570
155.600	101.7630
156.100	102.8400
156.600	103.9650
158.100	107.6950
158.600	108.9660
159.100	110.2870
159.600	111.6980
160.100	113.2280
160.600	114.8000
161.100	116.4700
161.600	118.1730
162.600	122.0470
163.600	125.5240
164.100	127.0950
164.600	128.5580
166.600	132.6780
167.100	133.8070
168.100	136.8490
170.100	141.6260

Name: NB2050  
 Group: B

Base Flow(cfs): 0.000

Init Stage(ft): 129.600  
 Warn Stage(ft): 134.600

Type: Stage/Area

Stage (ft)	Area (ac)
129.600	0.1000
130.000	3.7300
131.000	4.9100
132.400	5.2850
132.900	6.3600
133.400	7.1810
134.400	8.5900
134.900	9.2250
135.400	9.8810
135.900	10.5840
136.400	11.3530
136.900	11.6450
137.400	11.8840
139.400	12.7620
139.900	12.9720
140.400	13.1840
170.000	27.0200

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Name: NB2055                      Base Flow(cfs): 0.000                      Init Stage(ft): 136.000  
Group: B                                Warn Stage(ft): 141.000  
Type: Stage/Area

Stage (ft)	Area (ac)
136.000	0.0100
142.000	0.0200
146.000	0.1110
152.000	0.8260
157.000	2.0370
161.000	4.0613
164.000	14.8240
166.000	22.2200
170.000	31.8780

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Name: NB2070                      Base Flow(cfs): 0.000                      Init Stage(ft): 129.600  
Group: B                                Warn Stage(ft): 134.600  
Type: Stage/Area

Stage (ft)	Area (ac)
116.300	0.1000
116.400	126.6710
117.900	131.9470
120.400	140.9030
120.900	142.7210
121.400	144.5280
123.900	153.8360
124.400	155.7250
125.900	161.4710
126.400	163.4210
126.900	165.3870
127.400	167.3580
127.900	169.3520
128.400	171.7740
129.600	176.3700
130.000	207.7000
131.000	231.7500
132.400	244.6820
132.900	260.1100
133.400	278.1120
133.900	289.7800

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134.900	312.1110
135.400	324.0740
135.900	333.7170
136.400	341.2440
136.900	346.7320
137.400	351.6180
137.900	355.6810
138.400	359.2110
138.900	362.6730
139.400	365.9330
139.900	369.1440
140.400	372.2190
140.900	375.2260
141.400	378.0880
141.900	380.9260
142.400	383.5030
142.900	385.9180
143.400	387.9800
143.900	389.9190
144.400	391.4970
144.900	392.8040
145.400	394.0210
145.900	395.1990
146.400	396.3090
146.900	397.2970
148.400	400.0510
148.900	401.0870
149.400	402.0320
149.900	402.7160
151.400	403.4990
153.900	404.9230
154.400	405.2340
155.900	405.9940
157.400	406.5130

Name: NB2112                      Base Flow(cfs): 0.000                      Init Stage(ft): 130.100  
 Group: B                              Warn Stage(ft): 135.100  
 Type: Time/Stage

Time (hrs)	Stage (ft)
0.00	130.100
200.00	130.100

Name: NB2120                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.000  
 Group: B                              Warn Stage(ft): 136.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
130.100	47.6900
131.000	49.3500
132.000	49.9800
133.200	50.4150
133.700	52.7320
134.200	55.6220
134.700	58.7430
135.200	60.9360
135.700	62.5450
136.200	63.9430
137.200	66.2630
137.700	67.3660
138.200	68.3400
138.700	69.2360
139.700	70.7350
140.200	71.4850
140.700	72.1990

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141.200	72.8660
141.700	73.4780
142.200	74.0500
143.700	75.6810
144.200	76.2410
144.700	76.8310
146.200	78.3980
146.700	78.9160
147.200	79.5590
147.700	80.1360
148.200	80.7360
148.700	81.3940
149.200	82.4310
149.700	83.1550
150.700	83.7900
151.200	84.1200
152.200	84.8270
152.700	85.2000
153.200	85.5720
153.700	85.9530
154.200	86.3460
155.700	87.6170
159.200	90.5050
159.700	90.9940
160.200	91.5270
160.700	92.2910
161.200	93.2460
161.700	94.6610
162.200	95.8120
162.700	97.3910
163.200	98.2030
163.700	98.9380
164.200	99.5990
165.200	100.7230
168.200	104.0440
171.200	107.1730

Name: NB2124                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.710  
 Group: B                              Warn Stage(ft): 136.710  
 Type: Time/Stage

Time (hrs)	Stage (ft)
0.00	0.100
129.10	1.839

Name: NB2130                      Base Flow(cfs): 0.000                      Init Stage(ft): 129.600  
 Group: B                              Warn Stage(ft): 134.600  
 Type: Time/Stage

Time (hrs)	Stage (ft)
0.00	129.600
200.00	129.600

Name: POND1A                      Base Flow(cfs): 0.000                      Init Stage(ft): 147.000  
 Group: B                              Warn Stage(ft): 152.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
147.000	0.1800
148.100	0.2400
152.000	0.4400





Proposed Peace Creek Model (Basins 1-4)  
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0.100	141.090	0.035000
591.540	141.090	0.035000
591.640	146.090	0.035000

Name: XB0003A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	153.400	0.035000
0.100	153.400	0.035000
823.800	153.400	0.035000
823.900	153.400	0.035000

Name: XB0004A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	144.090	0.035000
0.100	139.090	0.035000
487.080	139.090	0.035000
487.180	144.090	0.035000

Name: XB0006A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	144.090	0.035000
0.100	139.090	0.035000
639.630	139.090	0.035000
639.730	144.090	0.035000

Name: XB0007A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	144.090	0.035000
0.100	139.090	0.035000
451.390	139.090	0.035000
451.490	144.090	0.035000

Name: XB0008B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	146.090	0.035000
0.100	141.090	0.035000
227.900	141.090	0.035000
228.000	146.090	0.035000

Name: XB0008C Group: B  
 Encroachment: No



Proposed Peace Creek Model (Basins 1-4)  
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2383.000	141.910	0.035000
2515.000	146.390	0.035000
2872.000	153.300	0.035000
2892.000	154.420	0.035000
2929.000	154.700	0.035000
3000.000	156.540	0.035000
3025.000	156.350	0.035000

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 Name: XB0012B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	156.090	0.035000
0.100	151.090	0.035000
216.370	151.090	0.035000
216.470	156.090	0.035000

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 Name: XB0012C Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	156.090	0.035000
0.100	151.090	0.035000
289.960	151.090	0.035000
290.060	156.090	0.035000

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 Name: XB0020B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	149.090	0.035000
0.100	144.090	0.035000
224.350	144.090	0.035000
224.450	149.090	0.035000

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 Name: XB0027B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	176.090	0.035000
0.100	171.090	0.035000
1393.070	171.090	0.035000
1393.170	176.090	0.035000

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 Name: XB0028B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	176.090	0.035000
0.100	171.090	0.035000
1210.140	171.090	0.035000
1210.240	176.090	0.035000

Name: XB0029A  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	166.700	0.035000
25.000	166.700	0.035000
134.000	165.700	0.035000
249.000	164.100	0.035000
334.000	163.700	0.035000
343.000	163.500	0.035000
430.000	163.400	0.035000
484.000	163.600	0.035000
537.000	164.200	0.035000
628.000	164.700	0.035000
683.000	165.380	0.035000
713.000	166.240	0.035000
766.000	166.750	0.035000
787.100	166.700	0.035000
803.000	166.240	0.035000
808.000	166.440	0.035000
855.000	166.400	0.035000
878.000	166.610	0.035000
917.000	166.400	0.035000
940.000	166.680	0.035000
1032.100	166.700	0.035000
1121.000	166.500	0.035000
1200.000	167.400	0.035000
1292.000	169.180	0.035000
1419.000	169.900	0.035000

Name: XB0030A  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	169.450	0.035000
35.000	169.000	0.035000
81.000	168.950	0.035000
101.000	169.290	0.035000
123.000	169.100	0.035000
395.000	169.600	0.035000
597.000	169.100	0.035000
639.000	169.600	0.035000
723.000	168.400	0.035000
1027.000	166.200	0.035000
1205.000	164.500	0.035000
1294.000	163.900	0.035000
1438.000	163.300	0.035000
1528.000	163.600	0.035000
1631.000	164.400	0.035000
1690.000	165.150	0.035000
1724.000	166.150	0.035000
1749.000	166.380	0.035000
1795.000	166.000	0.035000
1835.000	166.510	0.035000
1941.000	166.700	0.035000

Name: XB0031B  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	172.090	0.035000

Proposed Peace Creek Model (Basins 1-4)  
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0.100	167.090	0.035000
1470.290	167.090	0.035000
1470.390	172.090	0.035000

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 Name: XB0033B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	154.090	0.035000
0.100	149.090	0.035000
890.800	149.090	0.035000
890.900	154.090	0.035000

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 Name: XB0038B Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	174.090	0.035000
0.100	169.090	0.035000
2339.400	169.090	0.035000
2339.500	174.090	0.035000

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 Name: XB0040A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	188.700	0.035000
42.000	187.900	0.035000
150.000	188.100	0.035000
205.000	188.700	0.035000
266.000	187.610	0.035000
320.000	187.380	0.035000
330.000	186.700	0.035000
421.000	186.500	0.035000
573.000	183.160	0.035000
656.000	180.730	0.035000
722.000	178.490	0.035000
814.000	173.460	0.035000
909.000	166.600	0.035000
999.000	159.300	0.035000
1109.000	152.500	0.035000
1236.000	147.400	0.035000
1398.000	143.600	0.035000
1530.000	142.100	0.035000
1803.000	140.500	0.035000
2035.000	136.700	0.035000
2283.000	135.800	0.035000
2334.000	136.000	0.035000
2364.000	136.720	0.035000
2394.000	135.900	0.035000
2474.000	135.500	0.035000
2493.000	135.800	0.035000
2581.000	134.220	0.035000
2615.000	134.230	0.035000
2675.000	132.750	0.035000
2722.000	132.900	0.035000
2745.000	133.940	0.035000
2786.000	133.400	0.035000
3356.100	133.700	0.035000
3426.000	132.800	0.035000
3456.000	131.900	0.035000

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Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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3684.100	131.200	0.035000
3907.000	131.600	0.035000
3969.100	132.900	0.035000
3984.000	133.790	0.035000
4000.000	133.100	0.035000
4125.000	133.300	0.035000
4325.000	139.380	0.035000
4479.000	142.100	0.035000
4628.000	143.400	0.035000
4655.000	143.100	0.035000
4737.000	143.600	0.035000
4898.000	146.020	0.035000
5203.000	146.740	0.035000
5401.000	148.800	0.035000
5545.000	151.030	0.035000

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 Name: XB0040B  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	161.630	0.035000
8.000	161.600	0.035000
23.000	160.800	0.035000
83.000	158.990	0.035000
93.000	158.320	0.035000
98.100	157.510	0.035000
133.000	156.110	0.035000
190.000	153.090	0.035000
224.000	150.760	0.035000
229.000	150.680	0.035000
244.000	149.320	0.035000
249.000	149.220	0.035000
254.000	148.600	0.035000
275.000	147.230	0.035000
281.000	147.140	0.035000
341.000	143.200	0.035000
397.000	140.140	0.035000
412.000	138.940	0.035000
450.000	137.170	0.035000
470.000	135.950	0.035000
479.000	134.890	0.035000
492.000	134.620	0.035000
495.000	134.220	0.035000
510.000	133.500	0.035000
527.000	133.870	0.035000
588.000	132.860	0.035000
593.000	132.860	0.035000
598.000	133.310	0.035000
623.000	133.250	0.035000
698.000	134.370	0.035000
738.000	135.880	0.035000
753.000	137.760	0.035000
773.000	138.600	0.035000
849.000	140.390	0.035000
920.000	141.700	0.035000
1088.000	146.620	0.035000
1119.000	147.860	0.035000
1237.000	151.480	0.035000
1412.000	155.740	0.035000
1550.000	157.320	0.035000
1780.000	157.600	0.035000
1795.000	158.100	0.035000
1810.000	159.340	0.035000
1821.000	160.620	0.035000
1836.000	162.950	0.035000
1851.000	164.150	0.035000
1911.000	166.000	0.035000
2001.000	167.950	0.035000
2027.000	168.270	0.035000

Proposed Peace Creek Model (Basins 1-4)  
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2066.000          169.630          0.035000

Name: XB0040C                      Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	162.630	0.035000
326.000	159.240	0.035000
533.000	155.350	0.035000
591.000	153.550	0.035000
613.000	151.780	0.035000
706.000	150.560	0.035000
751.000	149.100	0.035000
789.000	148.650	0.035000
881.000	144.300	0.035000
969.000	140.750	0.035000
1030.000	137.500	0.035000
1110.000	137.210	0.035000
1172.000	133.800	0.035000
1263.000	133.800	0.035000
1317.000	131.700	0.035000
1347.000	131.620	0.035000
1395.000	130.500	0.035000
1683.000	130.700	0.035000
1858.100	130.100	0.035000
1874.000	130.800	0.035000
1905.000	130.290	0.035000
3165.000	130.500	0.035000
3537.000	130.100	0.035000
3600.000	130.550	0.035000
3647.000	130.000	0.035000
3937.000	130.100	0.035000
3968.000	130.800	0.035000
4025.000	129.900	0.035000
4099.000	130.570	0.035000
4119.000	130.200	0.035000
4176.000	130.500	0.035000
4186.000	130.910	0.035000
4197.000	132.240	0.035000
4205.000	132.600	0.035000
4276.000	132.300	0.035000
4331.000	133.180	0.035000
4436.000	132.400	0.035000
4519.100	132.700	0.035000
4546.000	133.380	0.035000
4594.100	133.600	0.035000
4646.000	133.100	0.035000
4779.000	137.600	0.035000
5044.000	148.900	0.035000
5330.000	160.170	0.035000
5340.000	161.180	0.035000
5356.000	161.240	0.035000
5389.000	163.090	0.035000
5494.000	164.450	0.035000
5528.000	165.320	0.035000
5810.000	168.250	0.035000

Name: XB0042C                      Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	168.950	0.035000
104.000	170.900	0.035000
119.000	170.950	0.035000
144.000	171.650	0.035000





Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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35.000	147.800	0.035000
41.000	147.700	0.035000
50.100	147.700	0.035000
91.000	147.700	0.035000
99.000	147.830	0.035000

Name: XB0105A  
Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	164.500	0.035000
16.000	163.700	0.035000
57.000	163.800	0.035000
190.000	162.100	0.035000
466.000	157.700	0.035000
525.000	157.360	0.035000
560.000	156.100	0.035000
617.000	156.240	0.035000
724.000	155.100	0.035000
745.100	155.720	0.035000
765.000	154.480	0.035000
991.000	151.100	0.035000
1319.000	148.450	0.035000
1422.000	149.500	0.035000
1497.000	148.500	0.035000
1691.000	148.870	0.035000
1736.000	149.700	0.035000
1811.000	149.500	0.035000
1893.000	150.900	0.035000
1984.000	150.400	0.035000
2176.000	151.900	0.035000
2310.000	152.010	0.035000
2331.000	152.630	0.035000
2578.000	152.000	0.035000
2660.000	152.200	0.035000
2677.000	152.770	0.035000
2721.000	152.150	0.035000

Name: XB0137C  
Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	133.300	0.035000
25.000	133.200	0.035000
127.000	134.020	0.035000
137.000	134.500	0.035000
143.000	134.200	0.035000
184.000	134.400	0.035000
215.000	135.300	0.035000
225.000	135.100	0.035000
315.000	136.720	0.035000
326.000	136.400	0.035000
375.100	136.500	0.035000
397.000	137.580	0.035000
437.000	138.240	0.035000
487.000	138.170	0.035000
498.100	137.550	0.035000
513.000	138.030	0.035000
545.000	136.800	0.035000
643.000	137.550	0.035000
792.000	136.590	0.035000
888.000	136.850	0.035000
1009.100	138.600	0.035000
1123.000	141.600	0.035000
1163.000	143.460	0.035000

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1189.000	144.100	0.035000
1261.000	147.080	0.035000
1391.000	151.600	0.035000
1513.000	156.800	0.035000
1761.000	168.900	0.035000
1795.000	169.900	0.035000
1876.100	173.300	0.035000
1999.000	176.580	0.035000
2070.000	177.800	0.035000
2080.000	178.300	0.035000
2176.000	179.350	0.035000
2244.000	179.400	0.035000
2265.000	179.800	0.035000
2281.000	180.710	0.035000
2303.000	180.810	0.035000
2354.000	179.700	0.035000
2455.000	179.600	0.035000
2589.000	178.300	0.035000
2600.000	178.580	0.035000
2642.000	177.600	0.035000
2940.000	175.300	0.035000
2968.000	175.610	0.035000
2997.000	175.300	0.035000
3027.000	175.730	0.035000
3046.000	175.400	0.035000
3129.000	175.400	0.035000
3280.000	175.800	0.035000

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 Name: XB1000C Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	144.580	0.035000
23.000	144.800	0.035000
44.000	144.710	0.035000
64.000	145.090	0.035000
85.000	145.200	0.035000
106.000	145.720	0.035000
111.000	145.600	0.035000
126.000	146.000	0.035000
136.000	146.000	0.035000
149.000	146.450	0.035000
157.000	146.400	0.035000
188.000	147.460	0.035000
219.000	148.100	0.035000
290.100	150.820	0.035000
342.000	152.640	0.035000
362.000	153.750	0.035000
374.000	154.020	0.035000
404.100	155.510	0.035000
435.000	156.600	0.035000
490.000	159.000	0.035000
575.000	161.750	0.035000
595.000	162.200	0.035000
630.000	162.600	0.035000
688.000	162.370	0.035000

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 Name: XB1030A Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	173.750	0.035000
13.100	173.070	0.035000
37.000	172.230	0.035000
49.000	171.570	0.035000



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1622.000	140.850	0.035000
1712.000	141.900	0.035000
1782.000	140.800	0.035000
1792.000	141.310	0.035000
1817.000	141.390	0.035000
1822.000	140.900	0.035000
1832.000	141.350	0.035000
1852.000	141.100	0.035000
1862.000	140.300	0.035000
1877.000	141.190	0.035000
1907.000	141.600	0.035000
1912.000	141.150	0.035000
2065.000	141.460	0.035000
2070.000	141.000	0.035000
2170.000	141.550	0.035000
2176.000	141.020	0.035000
2200.000	141.390	0.035000
2211.000	140.950	0.035000
2263.000	141.510	0.035000
2328.000	141.330	0.035000
2338.000	140.890	0.035000
2360.000	141.370	0.035000
2458.000	141.500	0.035000
2634.000	140.790	0.035000
2669.000	142.100	0.035000
2703.000	145.550	0.035000

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 Name: XB1035E  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	168.730	0.035000
16.000	169.050	0.035000
26.000	168.640	0.035000
44.000	168.400	0.035000
60.000	169.180	0.035000
70.000	169.250	0.035000
75.000	169.500	0.035000
85.000	169.100	0.035000
100.000	169.350	0.035000
110.000	168.950	0.035000
120.000	168.800	0.035000
130.000	168.750	0.035000
135.000	168.950	0.035000
140.000	168.750	0.035000
150.000	168.900	0.035000
155.000	168.850	0.035000
160.000	168.500	0.035000
180.000	167.850	0.035000
195.000	167.650	0.035000
200.000	167.850	0.035000
210.000	167.900	0.035000
225.000	167.150	0.035000
235.000	166.850	0.035000
245.000	166.100	0.035000
260.000	166.500	0.035000
265.000	166.000	0.035000
270.000	165.800	0.035000
295.000	166.000	0.035000
320.000	165.400	0.035000
335.000	165.460	0.035000
340.100	165.110	0.035000
346.000	165.000	0.035000
351.000	165.080	0.035000
356.000	165.430	0.035000
361.000	165.090	0.035000
366.100	165.130	0.035000
371.100	165.520	0.035000
377.100	164.770	0.035000

Proposed Peace Creek Model (Basins 1-4)  
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387.000	164.500	0.035000
410.000	164.740	0.035000
423.000	164.380	0.035000
434.000	164.520	0.035000
439.000	164.300	0.035000
454.000	164.200	0.035000
499.000	163.100	0.035000
536.000	162.570	0.035000
554.000	162.060	0.035000
564.000	162.300	0.035000
574.000	161.450	0.035000
584.000	161.000	0.035000
589.000	161.010	0.035000
593.000	160.630	0.035000
594.000	160.400	0.035000
605.000	160.230	0.035000
615.000	159.730	0.035000
638.000	159.230	0.035000
646.000	159.380	0.035000
651.000	158.900	0.035000
662.100	158.320	0.035000
692.000	157.740	0.035000
697.000	157.300	0.035000
702.000	157.250	0.035000
712.000	156.650	0.035000
722.000	156.500	0.035000
737.000	155.430	0.035000
753.000	154.910	0.035000
758.000	154.600	0.035000
808.000	153.300	0.035000
872.000	152.350	0.035000
899.000	152.250	0.035000
981.000	151.480	0.035000
1021.100	150.520	0.035000
1087.000	149.600	0.035000
1197.000	147.250	0.035000
1272.000	145.950	0.035000
1297.000	145.270	0.035000
1307.000	145.280	0.035000
1317.000	144.710	0.035000
1332.000	144.500	0.035000
1358.000	144.400	0.035000
1368.000	144.550	0.035000
1393.000	144.300	0.035000
1403.000	144.450	0.035000
1423.000	144.250	0.035000
1458.000	144.300	0.035000
1468.000	144.150	0.035000
1483.000	144.300	0.035000
1491.000	144.220	0.035000

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 Name: XB2020C  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
142.000	136.650	0.035000
241.100	136.300	0.035000
247.000	136.560	0.035000
252.000	136.300	0.035000
283.000	136.460	0.035000
309.000	136.200	0.035000
314.000	136.400	0.035000
366.000	136.190	0.035000
438.000	136.280	0.035000
443.000	136.530	0.035000
463.000	136.250	0.035000
560.000	136.510	0.035000
600.000	136.500	0.035000

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

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605.000	136.300	0.035000
649.000	136.600	0.035000
711.000	136.500	0.035000
742.000	136.100	0.035000
792.000	135.950	0.035000
1040.000	135.900	0.035000
1062.000	135.650	0.035000
1103.000	135.880	0.035000
1213.000	135.700	0.035000
1227.000	135.900	0.035000
1421.000	136.050	0.035000
1538.000	135.900	0.035000
1685.000	136.290	0.035000
1754.000	136.100	0.035000
1775.000	135.800	0.035000
1866.000	136.190	0.035000
1936.000	136.000	0.035000
1975.000	136.200	0.035000
2256.000	136.200	0.035000
2349.000	135.710	0.035000
2458.000	135.700	0.035000
3026.000	136.140	0.035000
3089.000	135.940	0.035000
3094.000	136.200	0.035000
3236.000	136.000	0.035000
3277.000	136.300	0.035000
3307.000	136.100	0.035000
3406.000	136.280	0.035000
3549.000	136.190	0.035000
3555.000	136.000	0.035000
3569.000	136.200	0.035000
3754.000	136.100	0.035000
3839.000	135.650	0.035000
4116.000	136.490	0.035000
4132.000	136.250	0.035000
4206.000	136.350	0.035000

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 Name: XB2020D  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	154.720	0.035000
399.000	148.970	0.035000
497.000	146.540	0.035000
604.000	142.200	0.035000
688.100	141.880	0.035000
805.000	139.720	0.035000
902.000	136.200	0.035000
1044.000	133.700	0.035000
1191.000	133.500	0.035000
1276.000	135.800	0.035000
1323.000	135.720	0.035000
1362.000	133.700	0.035000
1397.100	133.400	0.035000
1472.000	135.700	0.035000
1533.000	133.200	0.035000
1811.000	133.350	0.035000
1926.000	132.300	0.035000
2060.000	133.580	0.035000
2099.000	132.400	0.035000
2445.000	132.000	0.035000
2897.000	132.900	0.035000
2937.100	132.200	0.035000
3907.000	132.100	0.035000
4094.000	133.200	0.035000
4157.000	132.200	0.035000
4240.000	132.900	0.035000
4580.000	131.800	0.035000
5262.000	132.700	0.035000

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

5335.000	133.600	0.035000
5346.000	136.450	0.035000
5365.000	139.020	0.035000
5394.000	139.410	0.035000
5514.000	137.870	0.035000
5547.000	138.780	0.035000
5557.100	137.920	0.035000
5584.000	139.050	0.035000
5595.000	138.200	0.035000
5688.000	137.720	0.035000
5721.000	138.830	0.035000
5764.000	138.180	0.035000
5803.000	139.500	0.035000
5836.000	137.780	0.035000
5848.000	138.410	0.035000
5897.000	144.450	0.035000
5968.000	149.900	0.035000
6053.000	154.060	0.035000
6124.000	155.860	0.035000
6376.000	158.100	0.035000
6991.000	158.170	0.035000
7026.000	160.250	0.035000

Name: XB2022A  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	132.600	0.035000
44.000	132.900	0.035000
54.000	133.400	0.035000
75.000	133.850	0.035000
97.000	133.600	0.035000
117.000	133.740	0.035000
129.000	133.400	0.035000
137.000	133.600	0.035000
145.000	133.400	0.035000
168.000	133.380	0.035000
173.000	133.200	0.035000
211.000	132.900	0.035000
261.000	133.000	0.035000

Name: XB2030ADS  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	133.330	0.035000
4.000	133.120	0.035000
9.000	132.890	0.035000
14.000	132.570	0.035000
19.000	132.420	0.035000
24.000	132.240	0.035000
29.000	132.080	0.035000
34.000	131.980	0.035000
39.000	131.810	0.035000
44.000	131.600	0.035000
49.000	131.600	0.035000
54.000	131.500	0.035000
59.000	131.460	0.035000
64.000	131.370	0.035000
72.000	131.280	0.035000
77.000	131.340	0.035000
79.000	131.440	0.035000
84.000	131.440	0.035000
90.000	131.650	0.035000
94.000	131.970	0.035000



Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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97.000	132.060	0.035000
102.000	131.870	0.035000
104.000	131.990	0.035000
109.000	131.810	0.035000
112.000	131.680	0.035000
115.000	131.800	0.035000
121.000	132.060	0.035000
122.000	132.070	0.035000
127.000	131.850	0.035000
131.000	132.170	0.035000
132.000	132.220	0.035000
138.000	131.100	0.035000
145.000	131.100	0.035000
156.000	131.100	0.035000
162.000	131.360	0.035000
168.000	132.290	0.035000
168.100	132.300	0.035000
174.000	132.110	0.035000
177.000	132.330	0.035000
180.000	132.600	0.035000
186.000	133.410	0.035000
187.000	133.460	0.035000
192.000	133.900	0.035000
194.000	133.960	0.035000

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Name: XB2030AUS                      Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	133.450	0.035000
4.000	133.430	0.035000
9.000	133.350	0.035000
9.100	133.340	0.035000
19.000	132.860	0.035000
24.000	132.760	0.035000
29.000	132.440	0.035000
39.000	131.910	0.035000
44.000	131.890	0.035000
49.000	131.720	0.035000
49.100	131.700	0.035000
54.000	131.680	0.035000
59.000	131.480	0.035000
64.000	131.300	0.035000
67.000	131.320	0.035000
70.000	131.440	0.035000
72.000	131.440	0.035000
77.000	131.240	0.035000
80.000	131.240	0.035000
82.000	131.220	0.035000
83.000	131.200	0.035000
87.000	131.160	0.035000
90.000	131.160	0.035000
95.000	131.380	0.035000
97.000	131.390	0.035000
102.000	131.680	0.035000
104.000	131.710	0.035000
106.000	131.680	0.035000
109.000	131.470	0.035000
112.000	131.500	0.035000
115.000	131.490	0.035000
120.000	131.780	0.035000
121.100	131.880	0.035000
127.000	131.960	0.035000
131.000	131.500	0.035000
133.000	131.100	0.035000
149.000	131.100	0.035000
151.000	131.100	0.035000
156.000	131.980	0.035000
158.000	132.000	0.035000

Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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162.000	132.000	0.035000
168.000	132.440	0.035000
168.100	132.490	0.035000
174.000	132.800	0.035000
177.000	132.980	0.035000
180.000	133.310	0.035000
186.000	134.000	0.035000
192.000	134.130	0.035000
194.000	134.110	0.035000

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Name: XB2030B  
Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	135.550	0.035000
24.000	135.460	0.035000
41.000	135.700	0.035000
59.000	135.700	0.035000
65.000	135.540	0.035000
73.000	135.660	0.035000
110.000	135.100	0.035000
156.000	134.500	0.035000
208.000	134.580	0.035000
229.000	133.800	0.035000
283.000	132.900	0.035000
365.000	132.700	0.035000
391.000	132.500	0.035000
486.000	132.500	0.035000
575.000	132.200	0.035000
599.000	132.200	0.035000
631.000	132.600	0.035000
652.000	132.600	0.035000

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Name: XB2030C  
Encroachment: No

Group: B

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Station(ft)	Elevation(ft)	Manning's N
0.000	132.600	0.035000
45.000	132.770	0.035000
59.000	133.450	0.035000
64.000	133.400	0.035000
77.000	134.110	0.035000
85.000	134.160	0.035000
90.000	134.490	0.035000
95.000	134.180	0.035000
101.000	134.450	0.035000
116.000	134.600	0.035000
126.000	134.350	0.035000
161.000	134.150	0.035000
166.000	134.460	0.035000
176.000	134.240	0.035000
181.100	134.560	0.035000
187.000	134.140	0.035000
205.000	134.740	0.035000
212.000	134.260	0.035000
223.000	134.170	0.035000
228.000	133.800	0.035000
233.000	134.200	0.035000
243.000	134.050	0.035000
248.000	134.550	0.035000
258.000	134.200	0.035000
263.000	134.650	0.035000
273.000	134.170	0.035000
289.000	134.180	0.035000
304.000	134.400	0.035000

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

309.000	134.200	0.035000
324.000	134.050	0.035000
334.000	134.310	0.035000
339.000	134.100	0.035000
349.000	134.300	0.035000
354.000	134.260	0.035000
359.000	133.900	0.035000
369.000	134.100	0.035000
374.000	133.650	0.035000
379.000	133.850	0.035000
415.000	132.900	0.035000
420.000	132.950	0.035000
425.000	133.350	0.035000
435.000	133.490	0.035000
445.000	133.300	0.035000
454.000	133.550	0.035000

Name: XB2040A  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	133.000	0.035000
44.000	132.900	0.035000
100.000	132.400	0.035000
132.000	132.300	0.035000
155.000	132.300	0.035000
210.000	132.700	0.035000
258.000	133.500	0.035000
303.100	133.900	0.035000
403.000	136.010	0.035000
529.000	139.950	0.035000
777.000	146.960	0.035000
823.000	148.020	0.035000
885.000	149.570	0.035000
934.000	150.840	0.035000
1055.000	153.200	0.035000
1084.000	154.030	0.035000
1100.000	154.200	0.035000
1161.000	155.380	0.035000
1187.000	155.600	0.035000
1203.000	156.890	0.035000
1207.000	157.000	0.035000
1240.000	157.300	0.035000
1250.000	156.860	0.035000
1270.000	157.000	0.035000
1309.000	158.140	0.035000
1340.000	158.500	0.035000
1412.000	160.000	0.035000
1448.000	160.100	0.035000
1512.000	161.000	0.035000
1532.000	161.400	0.035000
1542.000	161.400	0.035000
1576.000	161.900	0.035000
1636.000	162.500	0.035000
1662.000	162.600	0.035000
1689.000	163.000	0.035000
1714.000	163.100	0.035000
1786.000	164.000	0.035000
1812.000	164.000	0.035000
1859.000	164.200	0.035000
1924.100	164.700	0.035000
2057.000	164.700	0.035000

Name: XB2040B  
 Encroachment: No

Group: B

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Station(ft)	Elevation(ft)	Manning's N
0.000	133.000	0.035000
77.000	132.800	0.035000
98.000	133.180	0.035000
119.000	133.160	0.035000
126.000	133.300	0.035000
139.000	133.080	0.035000
169.000	133.000	0.035000
201.000	133.200	0.035000
211.000	133.460	0.035000
227.000	133.100	0.035000
260.000	133.200	0.035000
267.000	133.320	0.035000
273.000	133.100	0.035000
282.000	133.170	0.035000
315.000	132.800	0.035000
331.000	132.750	0.035000
350.000	132.800	0.035000
364.000	132.980	0.035000
379.000	132.760	0.035000
408.000	132.900	0.035000
427.000	132.700	0.035000
444.000	132.780	0.035000
449.000	132.600	0.035000
470.000	132.710	0.035000
476.000	132.980	0.035000
483.000	133.550	0.035000

Name: XB2050ADS Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	132.780	0.035000
5.000	132.730	0.035000
10.000	132.750	0.035000
15.000	132.800	0.035000
20.000	132.830	0.035000
25.000	132.820	0.035000
31.000	132.900	0.035000
36.000	132.900	0.035000
41.000	132.800	0.035000
46.000	132.830	0.035000
51.000	132.900	0.035000
56.000	132.900	0.035000
61.000	132.700	0.035000
66.000	132.420	0.035000
71.000	131.500	0.035000
75.000	131.500	0.035000
76.000	131.500	0.035000
77.000	132.320	0.035000
81.000	132.480	0.035000
86.000	132.770	0.035000
91.000	133.120	0.035000
96.000	133.400	0.035000
101.000	133.570	0.035000
106.000	133.720	0.035000
111.000	133.710	0.035000
116.100	133.800	0.035000
121.000	133.700	0.035000
126.000	133.700	0.035000
136.000	133.500	0.035000
141.000	133.500	0.035000
146.000	133.470	0.035000
151.000	133.500	0.035000
158.000	133.500	0.035000
161.000	133.490	0.035000
167.000	133.500	0.035000
172.000	133.570	0.035000

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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182.000	133.640	0.035000
187.000	133.630	0.035000
192.000	133.600	0.035000
197.000	133.510	0.035000
198.000	133.500	0.035000

Name: XB2050AUS  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	132.800	0.035000
5.100	132.800	0.035000
10.000	132.790	0.035000
15.000	132.800	0.035000
20.000	132.860	0.035000
25.000	132.850	0.035000
30.000	132.900	0.035000
35.000	132.870	0.035000
40.000	132.770	0.035000
45.000	132.800	0.035000
50.000	132.900	0.035000
55.000	132.900	0.035000
60.000	132.700	0.035000
65.000	132.450	0.035000
70.000	131.500	0.035000
75.000	131.500	0.035000
80.000	132.520	0.035000
85.000	132.810	0.035000
88.000	133.010	0.035000
90.000	133.190	0.035000
95.000	133.460	0.035000
100.000	133.640	0.035000
105.000	133.760	0.035000
111.000	133.750	0.035000
116.000	133.770	0.035000
121.000	133.700	0.035000
126.000	133.700	0.035000
136.000	133.500	0.035000
141.000	133.500	0.035000
146.000	133.440	0.035000
151.000	133.500	0.035000
156.000	133.500	0.035000
161.000	133.520	0.035000
166.000	133.510	0.035000
171.000	133.600	0.035000
176.000	133.600	0.035000
181.000	133.680	0.035000
186.000	133.660	0.035000
196.000	133.540	0.035000
198.000	133.530	0.035000

Name: XB2050D  
 Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
8.000	136.400	0.035000
23.000	136.540	0.035000
43.000	136.420	0.035000
63.000	136.590	0.035000
99.000	136.540	0.035000
125.000	136.400	0.035000
130.000	136.550	0.035000
135.000	136.450	0.035000
145.100	136.580	0.035000

Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

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150.000	136.400	0.035000
176.000	136.580	0.035000
202.000	136.360	0.035000
228.000	136.400	0.035000
233.000	136.550	0.035000
269.000	136.360	0.035000
274.000	136.450	0.035000
279.000	136.300	0.035000
306.000	136.540	0.035000
311.000	136.300	0.035000
363.000	136.630	0.035000
374.000	136.570	0.035000
379.000	136.380	0.035000
405.000	136.470	0.035000
427.000	136.300	0.035000
434.000	136.500	0.035000
474.000	136.500	0.035000
485.000	136.680	0.035000
500.100	136.580	0.035000
517.000	136.720	0.035000
533.000	136.450	0.035000
551.000	136.660	0.035000
561.100	136.400	0.035000
577.000	136.550	0.035000
582.000	136.300	0.035000
594.000	136.410	0.035000
609.000	136.200	0.035000
639.000	136.150	0.035000
645.000	136.280	0.035000
663.000	136.000	0.035000
701.100	136.000	0.035000
706.000	136.250	0.035000
717.000	136.000	0.035000
772.000	136.070	0.035000
780.000	135.900	0.035000
799.000	135.900	0.035000
841.000	136.000	0.035000
884.100	136.300	0.035000
906.000	136.270	0.035000
912.000	136.450	0.035000
924.000	136.400	0.035000
929.100	136.580	0.035000
935.000	136.400	0.035000
950.000	136.400	0.035000
963.000	136.500	0.035000
974.000	136.770	0.035000
981.000	136.600	0.035000
999.000	136.530	0.035000

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Name: XB2050E                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
30.000	135.400	0.035000
40.000	134.850	0.035000
50.000	134.580	0.035000
67.000	134.600	0.035000
86.000	134.840	0.035000
100.000	134.500	0.035000
152.000	135.100	0.035000
178.000	135.000	0.035000
194.000	135.450	0.035000
208.000	135.550	0.035000

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Name: XB2050F                                  Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	135.550	0.035000
21.000	135.370	0.035000
36.000	134.900	0.035000
83.100	134.100	0.035000
182.000	133.400	0.035000
260.000	133.180	0.035000
292.000	132.700	0.035000
317.000	132.800	0.035000
350.000	133.300	0.035000
388.000	133.100	0.035000

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Name: XB2070B Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	156.950	0.035000
44.000	156.700	0.035000
72.000	157.000	0.035000
98.000	157.680	0.035000
123.000	157.450	0.035000
179.000	155.840	0.035000
252.000	155.350	0.035000
281.000	154.240	0.035000
341.000	153.300	0.035000
436.000	151.250	0.035000
493.000	149.400	0.035000
550.000	148.080	0.035000
611.000	146.080	0.035000
812.000	138.440	0.035000
878.000	136.640	0.035000
922.000	135.800	0.035000
1038.100	135.400	0.035000
1210.000	136.600	0.035000
1280.100	136.700	0.035000
1414.000	135.700	0.035000
1612.000	133.200	0.035000
1656.000	133.470	0.035000
1851.100	132.900	0.035000
2174.000	133.500	0.035000
2474.000	133.400	0.035000
2603.000	133.900	0.035000
2628.000	134.500	0.035000
2652.000	133.700	0.035000
2730.000	133.500	0.035000
2804.000	133.700	0.035000
2840.000	133.350	0.035000
2873.000	133.600	0.035000
3094.000	133.500	0.035000
3271.000	132.700	0.035000
3585.000	132.900	0.035000
3648.000	132.300	0.035000
3669.000	132.720	0.035000
3714.000	132.390	0.035000
3772.000	133.080	0.035000
3909.000	132.900	0.035000
4023.000	133.200	0.035000
4281.000	134.700	0.035000
4388.000	135.900	0.035000
4548.000	136.600	0.035000
4626.000	137.900	0.035000
4860.000	140.600	0.035000
5143.000	146.300	0.035000
5263.000	148.100	0.035000
5329.000	148.900	0.035000
5596.000	149.800	0.035000

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Name: XB2070C  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	136.750	0.035000
112.000	136.720	0.035000
196.000	135.800	0.035000
257.000	136.380	0.035000
383.000	135.960	0.035000
431.000	136.800	0.035000
542.000	137.200	0.035000
782.000	141.200	0.035000
971.000	143.300	0.035000
1464.000	143.940	0.035000
1519.000	144.500	0.035000
1592.000	143.230	0.035000
1640.000	143.560	0.035000
1847.000	142.100	0.035000
2089.000	141.380	0.035000
2137.000	140.550	0.035000
2195.000	140.860	0.035000
2497.000	139.780	0.035000
2615.000	138.000	0.035000
2804.000	137.100	0.035000
2999.000	139.100	0.035000
3265.000	146.350	0.035000
3307.000	146.300	0.035000
3393.000	147.700	0.035000
3487.000	146.300	0.035000
3575.100	143.790	0.035000
3637.000	142.800	0.035000
3685.000	142.600	0.035000
3746.000	143.490	0.035000
3767.000	142.850	0.035000
3862.000	142.600	0.035000
4034.000	140.800	0.035000
4207.000	141.600	0.035000
4365.000	145.100	0.035000
4493.100	146.100	0.035000
4594.000	144.400	0.035000
4672.000	144.000	0.035000
4835.100	145.720	0.035000
5137.000	140.300	0.035000
5245.000	140.000	0.035000
5739.000	146.900	0.035000
5779.000	146.460	0.035000
5887.000	143.470	0.035000
5933.000	143.770	0.035000
5996.000	144.900	0.035000
6055.000	147.600	0.035000
6108.000	149.150	0.035000
6302.000	152.400	0.035000
6512.000	155.200	0.035000
6776.000	156.950	0.035000

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Name: XB2112B  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	137.100	0.035000
54.000	137.100	0.035000
211.000	134.800	0.035000
307.000	133.800	0.035000
427.000	133.000	0.035000



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483.000	133.000	0.035000
578.000	132.400	0.035000
856.100	132.400	0.035000
956.000	132.000	0.035000
1063.100	132.000	0.035000
1181.100	131.670	0.035000
1230.000	131.670	0.035000
1322.000	132.530	0.035000
1350.000	133.180	0.035000
1388.000	133.480	0.035000
1419.000	133.100	0.035000
1439.000	133.500	0.035000
1472.000	133.400	0.035000
1493.100	133.700	0.035000
1499.000	133.500	0.035000
1504.000	133.800	0.035000
1510.000	133.460	0.035000
1521.000	133.300	0.035000
1537.000	133.650	0.035000
1577.000	133.000	0.035000
1635.000	133.160	0.035000
1640.000	132.940	0.035000
1661.000	133.560	0.035000
1671.000	133.400	0.035000
1677.000	133.610	0.035000
1701.000	132.950	0.035000
1722.000	132.760	0.035000
1950.000	132.900	0.035000
2079.000	134.000	0.035000
2125.000	134.700	0.035000
2145.000	135.480	0.035000
2156.000	135.200	0.035000
2176.000	135.600	0.035000
2192.000	135.400	0.035000
2213.000	135.900	0.035000
2288.000	135.700	0.035000
2320.000	136.400	0.035000
2364.000	136.400	0.035000
2382.000	136.640	0.035000
2396.000	136.440	0.035000
2414.000	135.800	0.035000
2594.000	135.500	0.035000
2665.000	135.000	0.035000
2721.000	134.300	0.035000

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Name: XB2112C  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	131.550	0.035000
111.000	131.000	0.035000
225.000	131.600	0.035000
332.000	131.700	0.035000
399.000	132.250	0.035000
427.000	132.700	0.035000
580.000	132.700	0.035000
627.000	132.900	0.035000
658.000	133.300	0.035000
680.000	133.000	0.035000
767.000	133.900	0.035000
839.000	134.200	0.035000
863.000	134.500	0.035000
899.000	134.580	0.035000
934.000	134.200	0.035000
1091.000	134.500	0.035000

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Name: XB2120A  
Encroachment: No

Group: B

Station(ft)	Elevation(ft)	Manning's N
0.000	149.800	0.035000
165.000	149.700	0.035000
176.000	149.750	0.035000
188.000	150.200	0.035000
225.000	149.600	0.035000
268.000	149.300	0.035000
331.000	149.200	0.035000
363.000	149.700	0.035000
382.000	149.400	0.035000
412.000	149.200	0.035000
449.000	149.200	0.035000
486.000	148.900	0.035000
537.100	148.600	0.035000
543.000	148.700	0.035000
548.000	148.500	0.035000
599.000	147.660	0.035000
645.000	146.360	0.035000
692.000	144.490	0.035000
733.000	143.050	0.035000
754.000	142.150	0.035000
817.000	140.170	0.035000
955.000	137.050	0.035000
983.000	136.700	0.035000
1080.000	134.850	0.035000
1091.000	134.700	0.035000
1139.000	134.680	0.035000
1159.000	134.190	0.035000
1169.000	135.650	0.035000
1174.000	136.150	0.035000
1186.000	136.530	0.035000

Name: XB2120B Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	134.500	0.035000
131.000	134.400	0.035000
148.100	134.700	0.035000
165.000	134.380	0.035000
177.000	133.410	0.035000
189.000	134.460	0.035000
192.100	134.550	0.035000
285.000	134.400	0.035000
325.000	134.700	0.035000
390.000	134.700	0.035000
438.000	135.000	0.035000
464.000	135.580	0.035000
486.000	135.500	0.035000
542.000	134.900	0.035000
607.000	134.900	0.035000
643.000	134.500	0.035000
694.000	134.400	0.035000
854.000	135.500	0.035000
957.000	135.800	0.035000
1049.100	135.700	0.035000
1089.000	136.600	0.035000
1114.000	136.800	0.035000
1131.000	137.700	0.035000
1190.000	137.500	0.035000
1292.000	138.300	0.035000
1392.000	138.500	0.035000
1457.000	139.000	0.035000
1560.000	140.670	0.035000
1595.000	141.640	0.035000

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1611.000	142.300	0.035000
1631.100	143.470	0.035000
1642.000	143.800	0.035000
1658.000	143.330	0.035000
1678.000	143.100	0.035000
1882.000	146.700	0.035000
1996.000	148.280	0.035000
2114.000	149.400	0.035000
2234.000	149.800	0.035000

Name: XB2120C                                      Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	136.530	0.035000
59.000	136.400	0.035000
99.000	136.700	0.035000
287.000	136.100	0.035000
417.000	136.050	0.035000
473.100	136.300	0.035000
544.000	136.050	0.035000
947.000	136.350	0.035000
987.000	136.850	0.035000
1007.000	137.450	0.035000
1012.000	137.300	0.035000
1042.000	138.100	0.035000
1127.000	138.590	0.035000
1152.000	138.450	0.035000
1182.000	139.270	0.035000
1196.000	139.310	0.035000
1229.000	140.520	0.035000
1273.000	140.330	0.035000
1280.000	139.980	0.035000
1345.000	140.300	0.035000
1368.000	141.250	0.035000
1399.100	141.800	0.035000
1410.000	141.700	0.035000
1431.000	142.500	0.035000
1447.000	142.500	0.035000
1467.000	143.090	0.035000
1473.000	142.850	0.035000
1483.000	143.660	0.035000
1505.000	144.200	0.035000
1510.000	144.600	0.035000
1549.000	144.930	0.035000
1580.000	145.900	0.035000
1680.000	147.800	0.035000
1768.000	150.370	0.035000
1867.000	152.540	0.035000
1958.000	155.550	0.035000
2069.000	160.440	0.035000
2148.000	163.180	0.035000
2170.000	164.210	0.035000
2261.000	166.750	0.035000
2286.000	167.800	0.035000
2307.000	168.050	0.035000
2329.000	168.830	0.035000
2350.000	168.950	0.035000
2355.100	169.330	0.035000
2398.000	169.710	0.035000
2445.000	170.680	0.035000
2522.000	171.090	0.035000
2569.000	171.100	0.035000
2582.000	170.830	0.035000

Name: XB2124B                                      Group: B  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	140.290	0.035000
0.100	135.290	0.035000
479.190	135.290	0.035000
479.290	140.290	0.035000

Name: XB2124C                                  Group: B  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	140.290	0.035000
0.100	135.290	0.035000
711.790	135.290	0.035000
711.890	140.290	0.035000

==== Operating Tables =====

Name: MarthaOp                              Group: B  
 Type: Bottom Clip  
 Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)
0.00	0.00
300.00	0.00

Name: MaudeOp                              Group: B  
 Type: Bottom Clip  
 Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)
0.00	0.00
300.00	0.00

Name: P-5                                      Group: B  
 Type: Top Clip  
 Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	60.00
4.01	60.00
4.51	60.00
5.01	60.00
5.11	48.00
5.51	0.00

Name: P-6                                      Group: B  
 Type: Top Clip  
 Function: US Depth Above Invert vs. Depth of Clip

Per SWFWMD guidance During Flood Events, structure should be open 1 foot (top clip) = 18"

US Depth(ft)	Clip Depth(in)
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0.00	30.00
1.31	30.00
1.56	30.00
2.51	30.00
2.61	30.00
2.71	18.00
3.31	18.00
4.31	18.00

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Name: P-7 Group: B  
Type: Top Clip  
Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	36.00
3.01	36.00
6.01	36.00
6.26	36.00
7.51	36.00
7.61	18.00
8.61	0.00

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Name: P-8a Group: B  
Type: Top Clip  
Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	72.00
3.51	72.00
8.26	72.00
8.51	72.00
9.51	72.00
9.61	36.00
10.71	0.00

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Name: P-8d Group: B  
Type: Top Clip  
Function: US Depth Above Invert vs. Depth of Clip

US Depth(ft)	Clip Depth(in)
0.00	72.00
3.51	72.00
8.26	72.00
8.51	72.00
9.51	72.00
9.61	36.00
10.71	0.00

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Name: SilverOp Group: B  
Type: Top Clip  
Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)
0.00	24.00
300.00	24.00

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 Pipes  
 =====

Name: EQU1B1A	From Node: POND1B	Length(ft): 263.00
Group: B	To Node: POND1A	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 149.000	147.000	Inlet Ctrl Spec: Use dc
Manning's N: 0.012000	0.012000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Name: RB0010B	From Node: NB0010	Length(ft): 100.00
Group: B	To Node: NB0040	Count: 2
		Friction Equation: Average Conveyance
		Solution Algorithm: Automatic
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 24.00	24.00	Bend Loss Coef: 0.00
Rise(in): 24.00	24.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 129.600	129.400	Inlet Ctrl Spec: Use dn
Manning's N: 0.024000	0.024000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Projecting

Name: RB0042A	From Node: NB0042	Length(ft): 120.00
Group: B	To Node: NB0050	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Automatic
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.20
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 24.00	24.00	Bend Loss Coef: 0.00
Rise(in): 24.00	24.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 131.090	130.990	Inlet Ctrl Spec: Use dc
Manning's N: 0.012000	0.012000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

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Name: RB0042B	From Node: NB0042	Length(ft): 35.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Rectangular	Rectangular	Solution Algorithm: Automatic
Span(in): 48.00	48.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 130.200	130.000	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 90° and 15° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 90° and 15° wingwall flares

Name: RB2020A_CD03	From Node: NB2020	Length(ft): 146.00
Group: B	To Node: NB2070	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 129.000	128.700	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RB2020B_CD03	From Node: NB2020	Length(ft): 146.00
Group: B	To Node: NB2070	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 129.000	128.700	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RB2050B_CD02	From Node: NB2050	Length(ft): 146.00
Group: B	To Node: NB2070	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
		Solution Algorithm: Automatic

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Geometry: Circular	Circular	Flow: Both
Span(in): 36.00	36.00	Entrance Loss Coef: 0.50
Rise(in): 36.00	36.00	Exit Loss Coef: 1.00
Invert(ft): 129.300	129.000	Bend Loss Coef: 0.00
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RB2050C_CD02	From Node: NB2050	Length(ft): 146.00
Group: B	To Node: NB2070	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 129.300	129.000	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RB2070A	From Node: NB2070	Length(ft): 23.00
Group: B	To Node: NB2130	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.20
Invert(ft): 128.820	128.820	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

==== Channels =====

Name: RB2030A	From Node: NB2030	Length(ft): 65.00
Group: B	To Node: NB2040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic



Invert(ft): 131.500	131.400	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 2.000
Bot Clip(ft):		Exit Loss Coef: 1.000
Main XSec: XB2030AUS	XB2030ADS	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: RB2050A	From Node: NB2050	Length(ft): 241.00
Group: B	To Node: NB2040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 131.500	131.500	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 2.000
Bot Clip(ft):		Exit Loss Coef: 1.000
Main XSec: XB2050AUS	XB2050ADS	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

=====  
 Drop Structures  
 =====

Name: OCS-1	From Node: POND1A	Length(ft): 633.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 145.000	131.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 2 for Drop Structure OCS-1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Span(in): 37.00                      Invert(ft): 152.000  
 Rise(in): 24.00                    Control Elev(ft): 152.000

\*\*\* Weir 2 of 2 for Drop Structure OCS-1 \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 12.00	Invert(ft): 150.000
Rise(in): 32.40	Control Elev(ft): 150.000

-----  
 Name: OCS-2                      From Node: POND2                      Length(ft): 45.00  
 Group: B                                      To Node: NB0040                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 128.300	128.100	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure OCS-2 \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 133.700
Rise(in): 24.00	Control Elev(ft): 133.700

\*\*\* Weir 2 of 3 for Drop Structure OCS-2 \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 31.00	Invert(ft): 132.400
Rise(in): 15.60	Control Elev(ft): 132.400

\*\*\* Weir 3 of 3 for Drop Structure OCS-2 \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.06	Invert(ft): 131.900
Rise(in): 2.06	Control Elev(ft): 131.400

-----  
 Name: OCS-3                      From Node: POND3                      Length(ft): 33.00  
 Group: B                                      To Node: NB2050                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 30.00	30.00	Flow: Both

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 130.200	130.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Type H Grate (4)

\*\*\* Weir 1 of 3 for Drop Structure OCS-3 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 2.13	Invert(ft): 132.400	
Rise(in): 2.13	Control Elev(ft): 132.900	

\*\*\* Weir 2 of 3 for Drop Structure OCS-3 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 105.00	Invert(ft): 135.100	
Rise(in): 36.00	Control Elev(ft): 135.100	

\*\*\* Weir 3 of 3 for Drop Structure OCS-3 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 153.00	Invert(ft): 133.300	
Rise(in): 21.60	Control Elev(ft): 133.300	

Name: OCS-4	From Node: POND4	Length(ft): 25.00
Group: B	To Node: NB2020	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 130.200	130.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Type D Grate  
 Front weir= 49in, side weir= 12in

\*\*\* Weir 1 of 3 for Drop Structure OCS-4 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	

Span(in) : 49.00 Invert(ft) : 134.700  
Rise(in) : 37.00 Control Elev(ft) : 134.700

\*\*\* Weir 2 of 3 for Drop Structure OCS-4 \*\*\*

TABLE  
Count: 1 Bottom Clip(in) : 0.000  
Type: Horizontal Top Clip(in) : 0.000  
Flow: Both Weir Disc Coef: 3.200  
Geometry: Circular Orifice Disc Coef: 0.600  
Span(in) : 1.56 Invert(ft) : 132.100  
Rise(in) : 1.56 Control Elev(ft) : 132.600

\*\*\* Weir 3 of 3 for Drop Structure OCS-4 \*\*\*

TABLE  
Count: 1 Bottom Clip(in) : 0.000  
Type: Vertical: Mavis Top Clip(in) : 0.000  
Flow: Both Weir Disc Coef: 3.200  
Geometry: Rectangular Orifice Disc Coef: 0.600  
Span(in) : 61.00 Invert(ft) : 133.200  
Rise(in) : 18.00 Control Elev(ft) : 133.200

---

Name: RB0008A	From Node: NB0008	Length(ft) : 36.00
Group: B	To Node: NB0020	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in) : 15.00	15.00	Flow: Both
Rise(in) : 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft) : 137.590	137.110	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in) : 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in) : 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

\*\*\* Weir 1 of 2 for Drop Structure RB0008A \*\*\*

TABLE  
Count: 1 Bottom Clip(in) : 0.000  
Type: Vertical: Mavis Top Clip(in) : 0.000  
Flow: Both Weir Disc Coef: 3.200  
Geometry: Rectangular Orifice Disc Coef: 0.600  
Span(in) : 24.00 Invert(ft) : 140.590  
Rise(in) : 4.80 Control Elev(ft) : 140.590

\*\*\* Weir 2 of 2 for Drop Structure RB0008A \*\*\*

TABLE  
Count: 1 Bottom Clip(in) : 0.000  
Type: Horizontal Top Clip(in) : 0.000  
Flow: Both Weir Disc Coef: 3.200  
Geometry: Rectangular Orifice Disc Coef: 0.600  
Span(in) : 37.00 Invert(ft) : 140.990  
Rise(in) : 28.00 Control Elev(ft) : 140.990

---

Name: RB0012A	From Node: NB0012	Length(ft) : 289.00
Group: B	To Node: NB0020	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.200
Invert(ft): 145.090	137.090	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 2 for Drop Structure RB0012A \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 42.00	Invert(ft): 150.590	
Rise(in): 3.60	Control Elev(ft): 150.590	

\*\*\* Weir 2 of 2 for Drop Structure RB0012A \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 37.00	Invert(ft): 150.890	
Rise(in): 28.00	Control Elev(ft): 150.890	

Name: RB0020A	From Node: NB0020	Length(ft): 40.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.500
Invert(ft): 134.610	134.000	Exit Loss Coef: 1.000
Manning's N: 0.024000	0.024000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Projecting

\*\*\* Weir 1 of 1 for Drop Structure RB0020A \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 36.00	Invert(ft): 137.530	
Rise(in): 36.00	Control Elev(ft): 137.530	

Name: RB0027A	From Node: NB0027	Length(ft): 213.00
Group: B	To Node: NB0040	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 134.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0027A \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 140.910
Rise(in): 28.00	Control Elev(ft): 140.910

Name: RB0028A	From Node: NB0028	Length(ft): 262.00
Group: B	To Node: NB0040	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 137.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0028A \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 140.700
Rise(in): 28.00	Control Elev(ft): 140.700

Name: RB0031A	From Node: NB0031	Length(ft): 218.00
Group: B	To Node: NB0040	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 134.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0031A \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 141.320
Rise(in): 28.00	Control Elev(ft): 141.320

Name: RB0033A	From Node: NB0033	Length(ft): 339.00
Group: B	To Node: NB0040	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 140.090	131.590	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0033A \*\*\*

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 147.090
Rise(in): 28.00	Control Elev(ft): 147.090

Name: RB0038A	From Node: NB0038	Length(ft): 216.00
Group: B	To Node: NB0040	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 134.090	132.880	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0038A \*\*\*

TABLE

Count: 1  
 Type: Horizontal  
 Flow: Both  
 Geometry: Rectangular  
 Span(in): 37.00  
 Rise(in): 28.00  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200  
 Orifice Disc Coef: 0.600  
 Invert(ft): 142.810  
 Control Elev(ft): 142.810

Name: RB0039A                      From Node: NB0039                      Length(ft): 352.00  
 Group: B                              To Node: NB0040                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.700
Invert(ft): 145.090	133.650	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB0039A \*\*\*

TABLE

Count: 1  
 Type: Horizontal  
 Flow: Both  
 Geometry: Rectangular  
 Span(in): 37.00  
 Rise(in): 24.00  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200  
 Orifice Disc Coef: 0.600  
 Invert(ft): 152.340  
 Control Elev(ft): 152.340

Name: RB2055A\_CD01                      From Node: NB2055                      Length(ft): 124.00  
 Group: B                              To Node: NB2120                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Automatic
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 135.300	128.800	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 1 for Drop Structure RB2055A\_CD01 \*\*\*

TABLE

Count: 1  
 Type: Horizontal  
 Flow: Both  
 Geometry: Rectangular  
 Span(in): 37.00  
 Rise(in): 24.00  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200  
 Orifice Disc Coef: 0.600  
 Invert(ft): 141.570  
 Control Elev(ft): 141.570



=====  
===== Weirs =====  
=====

Name: RB0002A                      From Node: NB0002  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0002A  
                                  Invert (ft): 141.090  
Control Elevation(ft): 141.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
                                  Orifice Discharge Coef: 0.600

-----

Name: RB0003A                      From Node: NB0003  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0003A  
                                  Invert (ft): 153.400  
Control Elevation(ft): 153.400  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
                                  Orifice Discharge Coef: 0.600

-----

Name: RB0004A                      From Node: NB0004  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0004A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
                                  Orifice Discharge Coef: 0.600

-----

Name: RB0006A                      From Node: NB0006  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0006A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
                                  Orifice Discharge Coef: 0.600

-----  
Name: RB0007A                      From Node: NB0007  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0007A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

-----  
Name: RB0008B                      From Node: NB0008  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0008B  
                                  Invert (ft): 141.090  
Control Elevation(ft): 141.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

-----  
Name: RB0008C                      From Node: NB0008  
Group: B                            To Node: NB0012  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB0008C  
                                  Invert (ft): 151.090  
Control Elevation(ft): 151.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: RB0009A                      From Node: NB0009  
Group: B                            To Node: NB0020  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0009A  
                                  Invert (ft): 139.090  
Control Elevation(ft): 139.090  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0010A                      From Node: NB0010  
Group: B                            To Node: NB0011  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB0010A  
                                  Invert (ft): 139.310  
Control Elevation(ft): 139.310  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0012B                      From Node: NB0012  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0012B  
                                  Invert (ft): 151.090  
Control Elevation(ft): 151.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0012C                      From Node: NB0012  
Group: B                            To Node: NB0038  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

                                  XSec: XB0012C  
                                  Invert (ft): 151.090  
Control Elevation(ft): 151.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0020B                      From Node: NB0020  
Group: B                            To Node: NB0001  
Flow: Both                         Count: 1  
Type: Vertical: Paved              Geometry: Irregular

                                  XSec: XB0020B  
                                  Invert (ft): 144.090  
Control Elevation(ft): 144.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0027B                      From Node: NB0027  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0027B  
                                  Invert (ft): 171.090  
Control Elevation(ft): 171.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
                                  Orifice Discharge Coef: 0.600

---

Name: RB0028B                      From Node: NB0028  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0028B  
                                  Invert (ft): 171.090  
Control Elevation(ft): 171.090  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.400  
                                  Orifice Discharge Coef: 0.600

---

Name: RB0029A                      From Node: NB0029  
Group: B                            To Node: NB2055  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0029A  
                                  Invert (ft): 163.400  
Control Elevation(ft): 163.400  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.200  
                                  Orifice Discharge Coef: 0.600

---

Name: RB0030A                      From Node: NB0030  
Group: B                            To Node: NB0029  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0030A  
                                  Invert (ft): 163.300  
Control Elevation(ft): 163.300  
Struct Opening Dim(ft): 9999.00

                                  TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.200  
                                  Orifice Discharge Coef: 0.600

---

Proposed Peace Creek Model (Basins 1-4)  
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---

Name: RB0031B                      From Node: NB0031  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0031B  
                                  Invert (ft): 167.090  
Control Elevation(ft): 167.090  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0033B                      From Node: NB0033  
Group: B                            To Node: NB0031  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0033B  
                                  Invert (ft): 149.090  
Control Elevation(ft): 149.090  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0038B                      From Node: NB0038  
Group: B                            To Node: NB0040  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0038B  
                                  Invert (ft): 169.090  
Control Elevation(ft): 169.090  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB0040A                      From Node: NB0040  
Group: B                            To Node: NB0010  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: XB0040A  
                                  Invert (ft): 131.200  
Control Elevation(ft): 131.200  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 1.200  
Orifice Discharge Coef: 0.600

---

Name: RB0040B                      From Node: NB0040

---

Group: B                                To Node: NB0023  
Flow: Both                              Count: 1  
Type: Vertical: Paved                  Geometry: Irregular

                                        XSec: XB0040B  
                                        Invert (ft): 132.860  
Control Elevation(ft): 132.860  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0040C                          From Node: NB0040  
Group: B                                To Node: NB0030  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: XB0040C  
                                        Invert (ft): 129.900  
Control Elevation(ft): 129.900  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 1.200  
Orifice Discharge Coef: 0.600

---

Name: RB0042C                          From Node: NB0042  
Group: B                                To Node: NB0040  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: XB0042C  
                                        Invert (ft): 134.500  
Control Elevation(ft): 134.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB0043A                          From Node: NB0043  
Group: B                                To Node: NB0040  
Flow: Both                              Count: 1  
Type: Vertical: Paved                  Geometry: Irregular

                                        XSec: XB0043A  
                                        Invert (ft): 147.340  
Control Elevation(ft): 147.340  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB0105A                          From Node: NB0102  
Group: B                                To Node: NB0040

---

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---

Flow: Both                      Count: 1  
Type: Vertical: Fread         Geometry: Irregular

                                XSec: XB0105A  
                                Invert (ft): 148.450  
Control Elevation(ft): 148.450  
Struct Opening Dim(ft): 9999.00

                                                TABLE

                                Bottom Clip(ft): 0.000  
                                Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB2020C                      From Node: NB2020  
Group: B                              To Node: NB2070  
Flow: Both                              Count: 1  
Type: Vertical: Paved         Geometry: Irregular

                                XSec: XB2020C  
                                Invert (ft): 135.650  
Control Elevation(ft): 135.650  
Struct Opening Dim(ft): 9999.00

                                                TABLE

                                Bottom Clip(ft): 0.000  
                                Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB2020D                      From Node: NB2020  
Group: B                              To Node: NB2010  
Flow: Both                              Count: 1  
Type: Vertical: Fread         Geometry: Irregular

                                XSec: XB2020D  
                                Invert (ft): 131.800  
Control Elevation(ft): 131.800  
Struct Opening Dim(ft): 9999.00

                                                TABLE

                                Bottom Clip(ft): 0.000  
                                Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2022A                      From Node: NB2022  
Group: B                              To Node: NB2020  
Flow: Both                              Count: 1  
Type: Vertical: Fread         Geometry: Irregular

                                XSec: XB2022A  
                                Invert (ft): 132.600  
Control Elevation(ft): 132.600  
Struct Opening Dim(ft): 9999.00

                                                TABLE

                                Bottom Clip(ft): 0.000  
                                Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2030B                      From Node: NB2030  
Group: B                              To Node: NB2020  
Flow: Both                              Count: 1

Type: Vertical: Fread      Geometry: Irregular  
XSec: XB2030B  
Invert (ft): 132.200  
Control Elevation(ft): 132.200  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2030C      From Node: NB2030  
Group: B      To Node: NB2022  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular  
XSec: XB2030C  
Invert (ft): 132.600  
Control Elevation(ft): 132.600  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2040A      From Node: NB2040  
Group: B      To Node: NB2020  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular  
XSec: XB2040A  
Invert (ft): 132.300  
Control Elevation(ft): 132.300  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2040B      From Node: NB2040  
Group: B      To Node: NB2022  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular  
XSec: XB2040B  
Invert (ft): 132.600  
Control Elevation(ft): 132.600  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB2050D      From Node: NB2050  
Group: B      To Node: NB2070  
Flow: Both      Count: 1  
Type: Vertical: Paved      Geometry: Irregular

---



XSec: XB2050D  
Invert (ft): 135.900  
Control Elevation(ft): 135.900  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB2050E                      From Node: NB2050  
Group: B                            To Node: NB2020  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2050E  
Invert (ft): 134.500  
Control Elevation(ft): 134.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2050F                      From Node: NB2050  
Group: B                            To Node: NB2030  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2050F  
Invert (ft): 132.700  
Control Elevation(ft): 132.700  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2070B                      From Node: NB2070  
Group: B                            To Node: NB2130  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2070B  
Invert (ft): 132.300  
Control Elevation(ft): 132.300  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2112C                      From Node: NB2112  
Group: B                            To Node: NB2120  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: XB2112C  
Invert (ft): 131.000  
Control Elevation (ft): 131.000  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 1.800  
Orifice Discharge Coef: 0.600

---

Name: RB2120A                      From Node: NB2120  
Group: B                              To Node: NB2070  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: XB2120A  
Invert (ft): 134.190  
Control Elevation (ft): 134.190  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

---

Name: RB2120B                      From Node: NB2120  
Group: B                              To Node: NB2130  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: XB2120B  
Invert (ft): 133.410  
Control Elevation (ft): 133.410  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.200  
Orifice Discharge Coef: 0.600

---

Name: RB2120C                      From Node: NB2120  
Group: B                              To Node: NB2050  
Flow: Both                              Count: 1  
Type: Vertical: Paved                  Geometry: Irregular

XSec: XB2120C  
Invert (ft): 136.050  
Control Elevation (ft): 136.050  
Struct Opening Dim (ft): 9999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: RB2124B                      From Node: NB2124  
Group: B                              To Node: NB2120  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: XB2124B

Invert(ft): 135.290  
 Control Elevation(ft): 135.290  
 Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.400  
 Orifice Discharge Coef: 0.600

=====  
 =====  
 Percolation Links  
 =====  
 =====

Name: RB0003B                      From Node: NB0003                      Flow: Both  
 Group: B                              To Node: GWSinkB                      Count: 1

Surface Area Option: User Specified  
 Bottom Elev(ft): 141.600                      Surface Area(ac): 0.780  
 Vertical Flow Termination: Horizontal Flow Algorithm  
 Aquifer Base Elev(ft): 70.000                      Perimeter 1(ft): 1550.000  
 Water Table Elev(ft): 140.390                      Perimeter 2(ft): 1927.000  
 Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 4270.000  
 Horiz Conductivity(ft/day): 19.559                      Distance 1 to 2(ft): 60.000  
 Vert Conductivity(ft/day): 13.039                      Distance 2 to 3(ft): 600.000  
 Effective Porosity(dec): 0.256                      Num Cells 1 to 2: 12  
 Suction Head(in): 2.047                      Num Cells 2 to 3: 60  
 Layer Thickness(ft): 1.210

Name: RB0008D                      From Node: NB0008                      Flow: Both  
 Group: B                              To Node: GWSinkB                      Count: 1

Surface Area Option: User Specified  
 Bottom Elev(ft): 138.090                      Surface Area(ac): 0.070  
 Vertical Flow Termination: Horizontal Flow Algorithm  
 Aquifer Base Elev(ft): 70.000                      Perimeter 1(ft): 288.000  
 Water Table Elev(ft): 133.190                      Perimeter 2(ft): 665.000  
 Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 2218.000  
 Horiz Conductivity(ft/day): 19.559                      Distance 1 to 2(ft): 60.000  
 Vert Conductivity(ft/day): 13.039                      Distance 2 to 3(ft): 600.000  
 Effective Porosity(dec): 0.256                      Num Cells 1 to 2: 12  
 Suction Head(in): 2.047                      Num Cells 2 to 3: 60  
 Layer Thickness(ft): 4.900

Name: RB0012D                      From Node: NB0012                      Flow: Both  
 Group: B                              To Node: GWSinkB                      Count: 1

Surface Area Option: User Specified  
 Bottom Elev(ft): 148.090                      Surface Area(ac): 0.930  
 Vertical Flow Termination: Horizontal Flow Algorithm  
 Aquifer Base Elev(ft): 70.000                      Perimeter 1(ft): 1054.000  
 Water Table Elev(ft): 143.910                      Perimeter 2(ft): 1426.000  
 Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 3111.000  
 Horiz Conductivity(ft/day): 19.559                      Distance 1 to 2(ft): 60.000  
 Vert Conductivity(ft/day): 13.039                      Distance 2 to 3(ft): 600.000  
 Effective Porosity(dec): 0.256                      Num Cells 1 to 2: 12  
 Suction Head(in): 2.047                      Num Cells 2 to 3: 60  
 Layer Thickness(ft): 4.180

Name: RB0029B                      From Node: NB0029                      Flow: Both

Group: B                                      To Node: GWSinkB                                      Count: 1

Surface Area Option: User Specified  
 Bottom Elev(ft): 158.100                                      Surface Area(ac): 0.280  
 Vertical Flow Termination: Horizontal Flow Algorithm  
 Aquifer Base Elev(ft): 70.000                                      Perimeter 1(ft): 283.000  
 Water Table Elev(ft): 154.170                                      Perimeter 2(ft): 660.000  
 Ann Recharge Rate(in/year): 0.000                                      Perimeter 3(ft): 4429.000  
 Horiz Conductivity(ft/day): 19.559                                      Distance 1 to 2(ft): 60.000  
 Vert Conductivity(ft/day): 13.039                                      Distance 2 to 3(ft): 600.000  
 Effective Porosity(dec): 0.302                                      Num Cells 1 to 2: 12  
 Suction Head(in): 2.047                                      Num Cells 2 to 3: 60  
 Layer Thickness(ft): 3.930

==== Hydrology Simulations =====

Name: PC100y1d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC100

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 9.00

Time(hrs)	Print	Inc(min)
100.000		5.00

Name: PC100y5d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC100

Override Defaults: Yes  
 Storm Duration(hrs): 120.00  
 Rainfall File: SWFWMD\_5day  
 Rainfall Amount(in): 16.00

Time(hrs)	Print	Inc(min)
220.000		5.00

Name: PC10y1d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC10y

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 6.50

Time(hrs)	Print	Inc(min)
100.000		5.00

Name: PC25y1d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC25y

Override Defaults: Yes  
 Storm Duration(hrs): 24.00  
 Rainfall File: Flmod  
 Rainfall Amount(in): 7.00

Time(hrs)	Print	Inc(min)
100.000		5.00

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---

Name: PC2y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC2y1

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 4.50

Time(hrs)	Print	Inc(min)
100.000		5.00

---

Name: PC500y5d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC500

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: SWFWMD\_5day  
Rainfall Amount(in): 19.20

Time(hrs)	Print	Inc(min)
220.000		5.00

---

Name: PC50y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC50y

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 8.00

Time(hrs)	Print	Inc(min)
100.000		5.00

---

Name: PC5y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC5y1

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 5.50

Time(hrs)	Print	Inc(min)
100.000		5.00

==== Routing Simulations =====

Name: PC100y1d                      Hydrology Sim: PC100y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC100

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: PC100y1d                      Boundary Flows:

Time(hrs)	Print	Inc(min)
999.000		60.000

Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Complete Input Report

---

Group	Run
-----	
B	Yes

-----  
Name: PC100y5d                      Hydrology Sim: PC100y5d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC100

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 300.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: PC100y5d                      Boundary Flows:

Time(hrs)	Print Inc(min)
-----	
999.000	60.000

Group	Run
-----	
B	Yes

-----  
Name: PC10y1d                      Hydrology Sim: PC10y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC10y

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: PC10y1d                      Boundary Flows:

Time(hrs)	Print Inc(min)
-----	
999.000	60.000

Group	Run
-----	
B	Yes

-----  
Name: PC25y1d                      Hydrology Sim: PC25y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC25y

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: PC25y1d                      Boundary Flows:

Time(hrs)	Print Inc(min)
-----	
999.000	60.000

Group	Run
-----	

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Dewberry Engineers, Inc.  
01/23/2023

-----  
B                    Yes

-----  
Name: PC2y1d                    Hydrology Sim: PC2y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC2y1

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: PC2y1d                    Boundary Flows:

Time(hrs)                    Print Inc(min)  
-----

999.000                    60.000

Group                    Run  
-----

B                    Yes

-----  
Name: PC500y5d                    Hydrology Sim: PC500y5d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC500

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 300.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: PC500y5d                    Boundary Flows:

Time(hrs)                    Print Inc(min)  
-----

999.000                    60.000

Group                    Run  
-----

B                    Yes

-----  
Name: PC50y1d                    Hydrology Sim: PC50y1d  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC50y

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: PC50y1d                    Boundary Flows:

Time(hrs)                    Print Inc(min)  
-----

999.000                    60.000

Group                    Run  
-----

Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

B Yes

-----  
 Name: PC5y1d Hydrology Sim: PC5y1d  
 Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\2\_Peace Creek (South, Basins 1-4)\Proposed\PC5y1

Execute: No Restart: No Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.01000  
 Time Step Optimizer: 10.000  
 Start Time(hrs): 0.000 End Time(hrs): 200.00  
 Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
 Boundary Stages: PC5y1d Boundary Flows:

Time (hrs)	Print Inc (min)
999.000	60.000

Group	Run
B	Yes

==== Boundary Conditions =====

Name: PC100y1d Node: NB0043 Type: Stage

Time (hrs)	Stage (ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.000	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090
10.000	143.090
11.000	143.090
12.000	143.291
13.000	143.680
14.000	143.678
15.000	143.646
16.000	143.611
17.000	143.575
18.000	143.539
19.000	143.504
20.000	143.469
21.000	143.434
22.000	143.400
23.000	143.368
24.000	143.335
25.000	143.292
26.000	143.244
27.000	143.198
28.000	143.153
29.000	143.108
30.000	143.090
31.000	143.090
32.000	143.090
33.000	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090



38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.090
56.000	143.090
57.000	143.090
58.000	143.090
59.000	143.090
60.000	143.090
61.000	143.090
62.000	143.090
63.000	143.090
64.000	143.090
65.000	143.090
66.000	143.090
67.000	143.090
68.000	143.090
69.000	143.090
70.000	143.090
71.000	143.090
72.000	143.090
73.000	143.090
74.000	143.090
75.000	143.090
76.000	143.090
77.000	143.090
78.000	143.090
79.000	143.090
80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090
84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090
102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090

111.000	143.090
112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090

184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Name: FCI00Y1d Node: NB0050 Type: Stage

Time (hrs)	Stage (Ft)
0.000	129.420
1.000	129.420
2.000	129.423
3.000	129.431
4.000	129.441
5.000	129.452
6.000	129.470
7.000	129.487
8.000	129.506
9.000	129.528
10.000	129.555
11.000	129.590
12.000	129.655
13.000	129.889
14.000	130.038
15.000	130.122
16.000	130.149
17.000	130.181
18.000	130.208
19.000	130.219
20.000	130.226
21.000	130.232
22.000	130.236
23.000	130.238
24.000	130.240
25.000	130.238
26.000	130.231
27.000	130.221
28.000	130.211
29.000	130.201
30.000	130.191
31.000	130.181
32.000	130.172
33.000	130.163
34.000	130.154
35.000	130.145
36.000	130.137
37.000	130.128
38.000	130.120
39.000	130.112
40.000	130.112
41.000	130.107
42.000	130.089
43.000	130.082
44.000	130.075
45.000	130.068
46.000	130.061
47.000	130.055
48.000	130.048
49.000	130.042

50.000	130.036
51.000	130.030
52.000	130.024
53.000	130.018
54.000	130.012
55.000	130.007
56.000	130.001
57.000	129.996
58.000	129.990
59.000	129.985
60.000	129.980
61.000	129.975
62.000	129.970
63.000	129.965
64.000	129.961
65.000	129.956
66.000	129.951
67.000	129.947
68.000	129.943
69.000	129.938
70.000	129.934
71.000	129.930
72.000	129.926
73.000	129.922
74.000	129.918
75.000	129.914
76.000	129.910
77.000	129.906
78.000	129.902
79.000	129.899
80.000	129.895
81.000	129.892
82.000	129.888
83.000	129.885
84.000	129.881
85.000	129.878
86.000	129.875
87.000	129.872
88.000	129.868
89.000	129.865
90.000	129.862
91.000	129.859
92.000	129.856
93.000	129.853
94.000	129.850
95.000	129.848
96.000	129.845
97.000	129.842
98.000	129.839
99.000	129.836
100.000	129.834
101.000	129.831
102.000	129.828
103.000	129.826
104.000	129.824
105.000	129.821
106.000	129.819
107.000	129.816
108.000	129.814
109.000	129.811
110.000	129.809
111.000	129.807
112.000	129.804
113.000	129.801
114.000	129.800
115.000	129.798
116.000	129.796
117.000	129.794
118.000	129.791
119.000	129.789
120.000	129.787
121.000	129.785
122.000	129.783

123.000	129.781
124.000	129.779
125.000	129.777
126.000	129.776
127.000	129.775
128.000	129.772
129.000	129.770
130.000	129.766
131.000	129.766
132.000	129.764
133.000	129.763
134.000	129.761
135.000	129.759
136.000	129.758
137.000	129.756
138.000	129.754
139.000	129.751
140.000	129.749
141.000	129.748
142.000	129.746
143.000	129.746
144.000	129.745
145.000	129.743
146.000	129.742
147.000	129.740
148.000	129.739
149.000	129.737
150.000	129.736
151.000	129.736
152.000	129.733
153.000	129.731
154.000	129.730
155.000	129.728
156.000	129.727
157.000	129.726
158.000	129.724
159.000	129.723
160.000	129.722
161.000	129.720
162.000	129.719
163.000	129.718
164.000	129.717
165.000	129.715
166.000	129.714
167.000	129.713
168.000	129.712
169.000	129.710
170.000	129.709
171.000	129.708
172.000	129.707
173.000	129.706
174.000	129.706
175.000	129.704
176.000	129.702
177.000	129.701
178.000	129.700
179.000	129.699
180.000	129.698
181.000	129.697
182.000	129.696
183.000	129.695
184.000	129.693
185.000	129.692
186.000	129.691
187.000	129.690
188.000	129.689
189.000	129.688
190.000	129.687
191.000	129.686
192.000	129.685
193.000	129.684
194.000	129.683
195.000	129.682

196.000	129.682
197.000	129.681
198.000	129.680
199.000	129.679
200.000	129.678

Name: PCL00Yld	Node: NB0102	Type: Stage
Time (hrs)	Stage (Ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.000	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.272	
13.000	140.426	
14.000	140.069	
15.000	139.541	
16.000	139.429	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.000	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	
28.000	139.200	
29.000	139.200	
30.000	139.200	
31.000	139.200	
32.000	139.200	
33.000	139.200	
34.000	139.200	
35.000	139.200	
36.000	139.200	
37.000	139.200	
38.000	139.200	
39.000	139.200	
40.000	139.200	
41.000	139.200	
42.000	139.200	
43.000	139.200	
44.000	139.200	
45.000	139.200	
46.000	139.200	
47.000	139.200	
48.000	139.200	
49.000	139.200	
50.000	139.200	
51.000	139.200	
52.000	139.200	
53.000	139.200	
54.000	139.200	
55.000	139.200	
56.000	139.200	
57.000	139.200	
58.000	139.200	
59.000	139.200	
60.000	139.200	
61.000	139.200	

62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200
77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200

135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PClOY1d	Node: NR212	Type: Stage
Time (hrs)	Stage (ft)	
0.000	130.100	

1.000	130.100
2.000	130.103
3.000	130.108
4.000	130.114
5.000	130.118
6.000	130.122
7.000	130.126
8.000	130.129
9.000	130.131
10.000	130.132
11.000	130.132
12.000	130.132
13.000	130.132
14.000	130.132
15.000	130.132
16.000	130.132
17.000	130.132
18.000	130.132
19.000	130.132
20.000	130.132
21.000	130.132
22.000	130.132
23.000	130.132
24.000	130.132
25.000	130.132
26.000	130.132
27.000	130.132
28.000	130.132
29.000	130.132
30.000	130.132
31.000	130.132
32.000	130.132
33.000	130.132
34.000	130.132
35.000	130.132
36.000	130.132
37.000	130.132
38.000	130.132
39.000	130.132
40.000	130.132
41.000	130.132
42.000	130.132
43.000	130.132
44.000	130.132
45.000	130.132
46.000	130.132
47.000	130.132
48.000	130.132
49.000	130.132
50.000	130.132
51.000	130.132
52.000	130.132
53.000	130.132
54.000	130.132
55.000	130.132
56.000	130.132
57.000	130.132
58.000	130.132
59.000	130.132
60.000	130.132
61.000	130.132
62.000	130.132
63.000	130.132
64.000	130.132
65.000	130.132
66.000	130.132
67.000	130.132
68.000	130.132
69.000	130.132
70.000	130.132
71.000	130.132
72.000	130.132
73.000	130.132

Deberry Engineers, Inc.  
 01/23/2023

74.000	131.134
75.000	131.132
76.000	131.130
77.000	131.127
78.000	131.124
79.000	131.122
80.000	131.121
81.000	131.119
82.000	131.117
83.000	131.115
84.000	131.113
85.000	131.111
86.000	131.109
87.000	131.107
88.000	131.106
89.000	131.104
90.000	131.102
91.000	131.099
92.000	131.098
93.000	131.097
94.000	131.095
95.000	131.093
96.000	131.091
97.000	131.090
98.000	131.088
99.000	131.086
100.000	131.085
101.000	131.082
102.000	131.080
103.000	131.078
104.000	131.077
105.000	131.075
106.000	131.074
107.000	131.072
108.000	131.071
109.000	131.069
110.000	131.068
111.000	131.067
112.000	131.067
113.000	131.065
114.000	131.062
115.000	131.062
116.000	131.061
117.000	131.059
118.000	131.058
119.000	131.057
120.000	131.055
121.000	131.054
122.000	131.053
123.000	131.051
124.000	131.050
125.000	131.049
126.000	131.047
127.000	131.046
128.000	131.045
129.000	131.044
130.000	131.044
131.000	131.044
132.000	131.054
133.000	131.087
134.000	131.143
135.000	131.214
136.000	131.292
137.000	131.372
138.000	131.448
139.000	131.574
140.000	131.623
141.000	131.672
142.000	131.739
143.000	131.812
144.000	131.888
145.000	131.963
146.000	132.026

Deberry Engineers, Inc.  
 01/23/2023

147,000	132.071
148,000	132.103
149,000	132.123
150,000	132.136
151,000	132.148
152,000	132.149
153,000	132.152
154,000	132.155
155,000	132.152
156,000	132.149
157,000	132.147
158,000	132.153
159,000	132.168
160,000	132.185
161,000	132.200
162,000	132.212
163,000	132.223
164,000	132.232
165,000	132.241
166,000	132.246
167,000	132.248
168,000	132.245
169,000	132.233
170,000	132.218
171,000	132.202
172,000	132.183
173,000	132.163
174,000	132.142
175,000	132.119
176,000	132.096
177,000	132.072
178,000	132.048
179,000	132.023
180,000	132.023
181,000	131.997
182,000	131.945
183,000	131.920
184,000	131.894
185,000	131.868
186,000	131.842
187,000	131.815
188,000	131.790
189,000	131.764
190,000	131.737
191,000	131.710
192,000	131.683
193,000	131.656
194,000	131.628
195,000	131.603
196,000	131.577
197,000	131.551
198,000	131.524
199,000	131.497
200,000	131.480

Name: PCl00y1d Node: NB214 Type: Stage

Time (hrs)	Stage (ft)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.713
5.000	131.727
6.000	131.745
7.000	131.764
8.000	131.787
9.000	131.814
10.000	131.847
11.000	131.893
12.000	132.031

Deberry Engineers, Inc.  
 01/23/2023

13,000	132.339
14,000	132.416
15,000	132.444
16,000	132.462
17,000	132.472
18,000	132.479
19,000	132.484
20,000	132.486
21,000	132.487
22,000	132.486
23,000	132.485
24,000	132.482
25,000	132.473
26,000	132.460
27,000	132.448
28,000	132.436
29,000	132.424
30,000	132.414
31,000	132.402
32,000	132.392
33,000	132.382
34,000	132.372
35,000	132.363
36,000	132.354
37,000	132.345
38,000	132.337
39,000	132.328
40,000	132.321
41,000	132.314
42,000	132.305
43,000	132.298
44,000	132.291
45,000	132.284
46,000	132.278
47,000	132.271
48,000	132.265
49,000	132.259
50,000	132.253
51,000	132.247
52,000	132.242
53,000	132.236
54,000	132.231
55,000	132.226
56,000	132.221
57,000	132.216
58,000	132.211
59,000	132.206
60,000	132.202
61,000	132.197
62,000	132.193
63,000	132.188
64,000	132.184
65,000	132.179
66,000	132.176
67,000	132.172
68,000	132.168
69,000	132.164
70,000	132.161
71,000	132.157
72,000	132.154
73,000	132.150
74,000	132.147
75,000	132.143
76,000	132.140
77,000	132.137
78,000	132.133
79,000	132.130
80,000	132.127
81,000	132.124
82,000	132.121
83,000	132.118
84,000	132.116
85,000	132.113

Deberry Engineers, Inc.  
 01/23/2023

86.000	132.110
87.000	132.107
88.000	132.105
89.000	132.102
90.000	132.099
91.000	132.097
92.000	132.094
93.000	132.092
94.000	132.089
95.000	132.087
96.000	132.085
97.000	132.082
98.000	132.080
99.000	132.078
100.000	132.076
101.000	132.073
102.000	132.071
103.000	132.069
104.000	132.067
105.000	132.065
106.000	132.063
107.000	132.061
108.000	132.059
109.000	132.057
110.000	132.055
111.000	132.053
112.000	132.051
113.000	132.049
114.000	132.048
115.000	132.046
116.000	132.044
117.000	132.043
118.000	132.041
119.000	132.039
120.000	132.037
121.000	132.036
122.000	132.034
123.000	132.032
124.000	132.031
125.000	132.029
126.000	132.028
127.000	132.026
128.000	132.025
129.000	132.023
130.000	132.022
131.000	132.020
132.000	132.019
133.000	132.017
134.000	132.016
135.000	132.015
136.000	132.013
137.000	132.012
138.000	132.010
139.000	132.009
140.000	132.008
141.000	132.006
142.000	132.005
143.000	132.004
144.000	132.003
145.000	132.002
146.000	132.002
147.000	132.003
148.000	132.004
149.000	132.004
150.000	132.009
151.000	132.012
152.000	132.015
153.000	132.017
154.000	132.020
155.000	132.023
156.000	132.026
157.000	132.029
158.000	132.031

159.000	132.034
160.000	132.037
161.000	132.041
162.000	132.045
163.000	132.048
164.000	132.054
165.000	132.058
166.000	132.063
167.000	132.068
168.000	132.072
169.000	132.077
170.000	132.081
171.000	132.085
172.000	132.088
173.000	132.090
174.000	132.092
175.000	132.093
176.000	132.094
177.000	132.094
178.000	132.093
179.000	132.092
180.000	132.090
181.000	132.088
182.000	132.086
183.000	132.084
184.000	132.082
185.000	132.080
186.000	132.078
187.000	132.076
188.000	132.073
189.000	132.071
190.000	132.069
191.000	132.067
192.000	132.065
193.000	132.063
194.000	132.061
195.000	132.059
196.000	132.057
197.000	132.055
198.000	132.053
199.000	132.051
200.000	132.049

Name: PCl00y1d	Node: NB2130	Type: Stage
Time (hrs)	Stage (ft)	
0.000	129.600	
1.000	129.601	
2.000	129.606	
3.000	129.612	
4.000	129.618	
5.000	129.656	
6.000	129.681	
7.000	129.709	
8.000	129.741	
9.000	129.780	
10.000	129.830	
11.000	129.894	
12.000	130.015	
13.000	130.442	
14.000	130.706	
15.000	130.842	
16.000	130.966	
17.000	131.032	
18.000	131.062	
19.000	131.088	
20.000	131.110	
21.000	131.130	
22.000	131.148	
23.000	131.165	
24.000	131.165	

25.000	131.175
26.000	131.176
27.000	131.173
28.000	131.168
29.000	131.148
30.000	131.159
31.000	131.155
32.000	131.151
33.000	131.148
34.000	131.145
35.000	131.142
36.000	131.139
37.000	131.137
38.000	131.135
39.000	131.133
40.000	131.132
41.000	131.132
42.000	131.132
43.000	131.132
44.000	131.133
45.000	131.133
46.000	131.134
47.000	131.135
48.000	131.136
49.000	131.136
50.000	131.137
51.000	131.138
52.000	131.139
53.000	131.140
54.000	131.141
55.000	131.142
56.000	131.143
57.000	131.144
58.000	131.144
59.000	131.144
60.000	131.145
61.000	131.146
62.000	131.146
63.000	131.146
64.000	131.148
65.000	131.148
66.000	131.149
67.000	131.150
68.000	131.150
69.000	131.151
70.000	131.151
71.000	131.152
72.000	131.153
73.000	131.153
74.000	131.153
75.000	131.154
76.000	131.154
77.000	131.155
78.000	131.155
79.000	131.156
80.000	131.156
81.000	131.157
82.000	131.157
83.000	131.158
84.000	131.158
85.000	131.159
86.000	131.159
87.000	131.160
88.000	131.160
89.000	131.161
90.000	131.161
91.000	131.162
92.000	131.162
93.000	131.163
94.000	131.163
95.000	131.164
96.000	131.164
97.000	131.165

98.000	131.165
99.000	131.165
100.000	131.166
101.000	131.166
102.000	131.166
103.000	131.167
104.000	131.167
105.000	131.168
106.000	131.168
107.000	131.169
108.000	131.169
109.000	131.169
110.000	131.170
111.000	131.170
112.000	131.171
113.000	131.171
114.000	131.172
115.000	131.172
116.000	131.172
117.000	131.172
118.000	131.173
119.000	131.173
120.000	131.173
121.000	131.174
122.000	131.174
123.000	131.174
124.000	131.175
125.000	131.175
126.000	131.175
127.000	131.176
128.000	131.176
129.000	131.176
130.000	131.177
131.000	131.177
132.000	131.177
133.000	131.178
134.000	131.178
135.000	131.178
136.000	131.178
137.000	131.179
138.000	131.179
139.000	131.180
140.000	131.180
141.000	131.181
142.000	131.181
143.000	131.182
144.000	131.185
145.000	131.189
146.000	131.217
147.000	131.217
148.000	131.302
149.000	131.365
150.000	131.432
151.000	131.432
152.000	131.596
153.000	131.679
154.000	131.761
155.000	131.842
156.000	131.922
157.000	131.999
158.000	132.071
159.000	132.124
160.000	132.152
161.000	132.178
162.000	132.178
163.000	132.189
164.000	132.215
165.000	132.226
166.000	132.234
167.000	132.239
168.000	132.242
169.000	132.241
170.000	132.232
	132.218



171.000	132.202
172.000	132.184
173.000	132.165
174.000	132.144
175.000	132.122
176.000	132.100
177.000	132.077
178.000	132.053
179.000	132.030
180.000	132.006
181.000	131.982
182.000	131.957
183.000	131.933
184.000	131.910
185.000	131.886
186.000	131.864
187.000	131.841
188.000	131.822
189.000	131.804
190.000	131.787
191.000	131.772
192.000	131.758
193.000	131.745
194.000	131.733
195.000	131.722
196.000	131.712
197.000	131.702
198.000	131.692
199.000	131.684
200.000	131.674

Name: PCS00Y5d Node: NB0043 Type: Stage

Time (hrs)	Stage (Ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.000	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090
10.000	143.090
11.000	143.090
12.000	143.090
13.000	143.090
14.001	143.090
14.001	143.090
14.001	143.090
14.001	143.090
17.000	143.090
18.000	143.090
19.000	143.090
20.000	143.090
21.000	143.090
22.000	143.090
23.000	143.090
24.001	143.090
25.000	143.090
26.000	143.090
27.000	143.090
28.000	143.090
29.000	143.090
30.000	143.090
31.000	143.090
32.001	143.090
33.001	143.090
34.000	143.090
35.000	143.090
36.000	143.090

37.000	143.090
38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090
55.000	143.090
56.000	143.120
57.000	143.120
58.000	143.161
59.000	143.238
60.000	143.375
61.000	143.627
62.000	143.855
63.000	144.020
64.000	144.122
65.000	144.122
66.000	144.127
67.000	144.117
68.000	144.101
69.000	144.080
70.000	144.053
71.000	144.024
72.000	143.996
73.000	143.973
74.000	143.957
75.000	143.945
76.000	143.929
77.000	143.910
78.000	143.904
79.000	143.892
80.000	143.881
81.000	143.870
82.000	143.859
83.000	143.848
84.000	143.839
85.000	143.829
86.000	143.820
87.000	143.811
88.000	143.802
89.000	143.792
90.000	143.787
91.000	143.779
92.000	143.772
93.000	143.765
94.000	143.758
95.000	143.752
96.000	143.744
97.000	143.728
98.000	143.706
99.000	143.684
100.000	143.661
101.000	143.622
102.000	143.622
103.000	143.602
104.000	143.582
105.000	143.562
106.000	143.543
107.000	143.525
108.000	143.507
109.000	143.488

110.000	143.469
111.000	143.451
112.000	143.432
113.000	143.416
114.000	143.400
115.000	143.384
116.000	143.366
117.000	143.346
118.000	143.331
119.000	143.315
120.000	143.298
121.000	143.279
122.000	143.259
123.000	143.239
124.000	143.220
125.000	143.201
126.000	143.183
127.000	143.164
128.000	143.144
129.000	143.125
130.000	143.107
131.000	143.090
132.000	143.073
133.000	143.056
134.000	143.039
135.000	143.022
136.000	143.006
137.000	142.990
138.000	142.974
139.000	142.958
140.000	142.942
141.000	142.926
142.000	142.910
143.000	142.894
144.000	142.878
145.000	142.862
146.000	142.846
147.000	142.830
148.000	142.814
149.000	142.798
150.000	142.782
151.000	142.766
152.000	142.750
153.000	142.734
154.000	142.718
155.000	142.702
156.000	142.686
157.000	142.670
158.000	142.654
159.000	142.638
160.000	142.622
161.000	142.606
162.000	142.590
163.000	142.574
164.000	142.558
165.000	142.542
166.000	142.526
167.000	142.510
168.000	142.494
169.000	142.478
170.000	142.462
171.000	142.446
172.000	142.430
173.000	142.414
174.000	142.398
175.000	142.382
176.000	142.366
177.000	142.350
178.000	142.334
179.000	142.318
180.000	142.302
181.000	142.286
182.000	142.270

183.000	143.090
184.000	143.074
185.000	143.058
186.000	143.042
187.000	143.026
188.000	143.010
189.000	142.994
190.000	142.978
191.000	142.962
192.000	142.946
193.000	142.930
194.000	142.914
195.000	142.898
196.000	142.882
197.000	142.866
198.000	142.850
199.000	142.834
200.000	142.818
201.000	142.802
202.000	142.786
203.000	142.770
204.000	142.754
205.000	142.738
206.000	142.722
207.000	142.706
208.000	142.690
209.000	142.674
210.000	142.658
211.000	142.642
212.000	142.626
213.000	142.610
214.000	142.594
215.000	142.578
216.000	142.562
217.000	142.546
218.000	142.530
219.000	142.514
220.000	142.498
221.000	142.482
222.000	142.466
223.000	142.450
224.000	142.434
225.000	142.418
226.000	142.402
227.000	142.386
228.000	142.370
229.000	142.354
230.000	142.338
231.000	142.322
232.000	142.306
233.000	142.290
234.000	142.274
235.000	142.258
236.000	142.242
237.000	142.226
238.000	142.210
239.000	142.194
240.000	142.178
241.000	142.162
242.000	142.146
243.000	142.130
244.000	142.114
245.000	142.098
246.000	142.082
247.000	142.066
248.000	142.050
249.000	142.034
250.000	142.018
251.000	142.002
252.000	141.986
253.000	141.970
254.000	141.954
255.000	141.938

256.000	143.090		
257.000	143.090		
258.000	143.090		
259.000	143.090		
260.000	143.090		
261.000	143.090		
262.000	143.090		
263.000	143.090		
264.000	143.090		
265.000	143.090		
266.000	143.090		
267.000	143.090		
268.000	143.090		
269.000	143.090		
270.000	143.090		
271.000	143.090		
272.000	143.090		
273.000	143.090		
274.000	143.090		
275.000	143.090		
276.000	143.090		
277.000	143.090		
278.000	143.090		
279.000	143.090		
280.000	143.090		
281.000	143.090		
282.000	143.090		
283.000	143.090		
284.000	143.090		
285.000	143.090		
286.000	143.090		
287.000	143.090		
288.000	143.090		
289.000	143.090		
290.000	143.090		
291.000	143.090		
292.000	143.090		
293.000	143.090		
294.000	143.090		
295.000	143.090		
296.000	143.090		
297.000	143.090		
298.000	143.090		
299.000	143.090		
300.000	143.090		

Name: PCS00Y5d Node: NB0050 Type: Stage

Time (hrs)	Stage (ft)
0.000	129.420
1.000	129.420
2.000	129.420
3.000	129.422
4.000	129.426
5.001	129.431
6.000	129.436
7.000	129.442
8.000	129.447
9.000	129.453
10.000	129.459
11.000	129.465
12.000	129.471
13.000	129.477
14.001	129.483
15.001	129.488
16.000	129.494
17.000	129.500
18.000	129.506
19.000	129.512
20.000	129.518

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21.000	129.523
22.000	129.529
23.000	129.535
24.001	129.541
25.000	129.547
26.000	129.553
27.000	129.558
28.000	129.564
29.000	129.569
30.000	129.575
31.000	129.581
32.001	129.586
33.001	129.591
34.000	129.596
35.000	129.601
36.000	129.606
37.000	129.611
38.000	129.616
39.000	129.621
40.000	129.626
41.000	129.631
42.000	129.636
43.000	129.641
44.000	129.646
45.000	129.651
46.000	129.656
47.000	129.661
48.000	129.666
49.000	129.671
50.000	129.676
51.000	129.681
52.000	129.686
53.000	129.691
54.000	129.696
55.000	129.701
56.000	129.706
57.000	129.711
58.000	129.716
59.000	129.721
60.000	129.726
61.000	129.731
62.000	129.736
63.000	129.741
64.000	129.746
65.000	129.751
66.000	129.756
67.000	129.761
68.000	129.766
69.000	129.771
70.000	129.776
71.000	129.781
72.000	129.786
73.000	129.791
74.000	129.796
75.000	129.801
76.000	129.806
77.000	129.811
78.000	129.816
79.000	129.821
80.000	129.826
81.000	129.831
82.000	129.836
83.000	129.841
84.000	129.846
85.000	129.851
86.000	129.856
87.000	129.861
88.000	129.866
89.000	129.871
90.000	129.876
91.000	129.881
92.000	129.886
93.000	129.891

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94.000	130.919
95.000	130.920
96.000	130.920
97.000	130.918
98.000	130.918
99.000	130.903
100.000	130.894
101.000	130.884
102.000	130.875
103.000	130.866
104.000	130.857
105.000	130.847
106.000	130.837
107.000	130.827
108.000	130.818
109.000	130.807
110.000	130.797
111.000	130.786
112.000	130.775
113.000	130.765
114.000	130.754
115.000	130.743
116.000	130.732
117.000	130.720
118.000	130.709
119.000	130.698
120.000	130.686
121.000	130.674
122.000	130.661
123.000	130.648
124.000	130.634
125.000	130.620
126.000	130.607
127.000	130.593
128.000	130.579
129.000	130.565
130.000	130.551
131.000	130.536
132.000	130.522
133.000	130.508
134.000	130.494
135.000	130.481
136.000	130.467
137.000	130.453
138.000	130.440
139.000	130.426
140.000	130.413
141.000	130.400
142.000	130.388
143.000	130.375
144.000	130.363
145.000	130.350
146.000	130.338
147.000	130.327
148.000	130.316
149.000	130.305
150.000	130.294
151.000	130.284
152.000	130.274
153.000	130.264
154.000	130.254
155.000	130.245
156.000	130.236
157.000	130.226
158.000	130.216
159.000	130.211
160.000	130.203
161.000	130.195
162.000	130.187
163.000	130.180
164.000	130.173
165.000	130.166
166.000	130.159

167.000	130.152
168.000	130.146
169.000	130.140
170.000	130.133
171.000	130.127
172.000	130.122
173.000	130.116
174.000	130.110
175.000	130.105
176.000	130.100
177.000	130.094
178.000	130.089
179.000	130.084
180.000	130.080
181.000	130.075
182.000	130.070
183.000	130.066
184.000	130.061
185.000	130.057
186.000	130.053
187.000	130.049
188.000	130.045
189.000	130.041
190.000	130.037
191.000	130.033
192.000	130.030
193.000	130.026
194.000	130.022
195.000	130.018
196.000	130.016
197.000	130.012
198.000	130.009
199.000	130.006
200.000	130.003
201.000	130.000
202.000	129.997
203.000	129.994
204.000	129.991
205.000	129.988
206.000	129.985
207.000	129.982
208.000	129.980
209.000	129.977
210.000	129.974
211.000	129.972
212.000	129.969
213.000	129.967
214.000	129.965
215.000	129.962
216.000	129.960
217.000	129.958
218.000	129.956
219.000	129.953
220.000	129.951
221.000	129.949
222.000	129.947
223.000	129.945
224.000	129.943
225.000	129.941
226.000	129.939
227.000	129.937
228.000	129.935
229.000	129.933
230.000	129.932
231.000	129.930
232.000	129.928
233.000	129.926
234.000	129.925
235.000	129.923
236.000	129.921
237.000	129.920
238.000	129.918
239.000	129.917

240.000	129.915		
241.000	129.914		
242.000	129.912		
243.000	129.911		
244.000	129.909		
245.000	129.908		
246.000	129.907		
247.000	129.905		
248.000	129.904		
249.000	129.902		
250.000	129.901		
251.000	129.900		
252.000	129.899		
253.000	129.897		
254.000	129.896		
255.000	129.893		
256.000	129.891		
257.000	129.892		
258.000	129.892		
259.000	129.890		
260.000	129.889		
261.000	129.888		
262.000	129.887		
263.000	129.886		
264.000	129.885		
265.000	129.884		
266.000	129.883		
267.000	129.882		
268.000	129.881		
269.000	129.880		
270.000	129.879		
271.000	129.878		
272.000	129.877		
273.000	129.876		
274.000	129.875		
275.000	129.875		
276.000	129.874		
277.000	129.873		
278.000	129.872		
279.000	129.871		
280.000	129.871		
281.000	129.869		
282.000	129.869		
283.000	129.866		
284.000	129.867		
285.000	129.866		
286.000	129.866		
287.000	129.865		
288.000	129.864		
289.000	129.863		
290.000	129.863		
291.000	129.862		
292.000	129.861		
293.000	129.861		
294.000	129.859		
295.000	129.859		
296.000	129.859		
297.000	129.858		
298.000	129.857		
299.000	129.857		
300.000	129.856		
300.000	129.856		

Name: PCS0095d  
 Time (hrs) Stage (ft) Node: NBD102 Type: Stage

0.000	139.200		
1.000	139.200		
2.000	139.200		
3.000	139.200		
4.000	139.200		

5.001	139.200		
6.000	139.200		
7.000	139.200		
8.000	139.200		
9.000	139.200		
10.000	139.200		
11.000	139.200		
12.000	139.200		
13.000	139.200		
14.001	139.200		
15.001	139.200		
16.000	139.200		
17.000	139.200		
18.000	139.200		
19.000	139.200		
20.000	139.200		
21.000	139.200		
22.000	139.200		
23.000	139.200		
24.001	139.200		
25.000	139.200		
26.000	139.200		
27.000	139.200		
28.000	139.200		
29.000	139.200		
30.000	139.200		
31.000	139.200		
32.001	139.200		
33.001	139.200		
34.000	139.200		
35.000	139.200		
36.000	139.200		
37.000	139.200		
38.000	139.200		
39.000	139.200		
40.000	139.200		
41.000	139.200		
42.000	139.200		
43.000	139.200		
44.000	139.200		
45.000	139.200		
46.000	139.200		
47.000	139.200		
48.000	139.200		
49.000	139.200		
50.000	139.200		
51.000	139.200		
52.000	139.200		
53.000	139.200		
54.000	139.200		
55.000	139.200		
56.000	139.200		
57.000	139.200		
58.000	139.204		
59.000	139.678		
60.000	140.526		
61.000	140.941		
62.000	141.119		
63.000	141.194		
64.000	141.219		
65.000	141.222		
66.000	141.212		
67.000	141.194		
68.000	141.174		
69.000	141.143		
70.000	141.109		
71.000	141.071		
72.000	141.031		
73.000	140.993		
74.000	140.959		
75.000	140.928		
76.000	140.898		
77.000	140.867		

Name: PCS0095d  
 Time (hrs) Stage (ft) Node: NBD102 Type: Stage

0.000	139.200		
1.000	139.200		
2.000	139.200		
3.000	139.200		
4.000	139.200		

78.000	140.836
79.000	140.805
80.000	140.773
81.000	140.740
82.000	140.707
83.000	140.671
84.000	140.636
85.000	140.601
86.000	140.565
87.000	140.530
88.000	140.493
89.000	140.457
90.000	140.419
91.000	140.380
92.000	140.339
93.000	140.297
94.000	140.253
95.000	140.202
96.000	140.148
97.000	140.073
98.000	139.967
99.000	139.848
100.000	139.724
101.000	139.599
102.000	139.477
103.000	139.353
104.000	139.229
105.000	139.100
106.000	138.970
107.000	138.820
108.000	138.670
109.000	138.500
110.000	138.320
111.000	138.140
112.000	137.960
113.000	137.780
114.000	137.600
115.000	137.420
116.000	137.240
117.000	137.060
118.000	136.880
119.000	136.700
120.000	136.520
121.000	136.340
122.000	136.160
123.000	135.980
124.000	135.800
125.000	135.620
126.000	135.440
127.000	135.260
128.000	135.080
129.000	134.900
130.000	134.720
131.000	134.540
132.000	134.360
133.000	134.180
134.000	134.000
135.000	133.820
136.000	133.640
137.000	133.460
138.000	133.280
139.000	133.100
140.000	132.920
141.000	132.740
142.000	132.560
143.000	132.380
144.000	132.200
145.000	132.020
146.000	131.840
147.000	131.660
148.000	131.480
149.000	131.300
150.000	131.120

151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200
201.000	139.200
202.000	139.200
203.000	139.200
204.000	139.200
205.000	139.200
206.000	139.200
207.000	139.200
208.000	139.200
209.000	139.200
210.000	139.200
211.000	139.200
212.000	139.200
213.000	139.200
214.000	139.200
215.000	139.200
216.000	139.200
217.000	139.200
218.000	139.200
219.000	139.200
220.000	139.200
221.000	139.200
222.000	139.200
223.000	139.200

224,000	139,200
225,000	139,200
226,000	139,200
227,000	139,200
228,000	139,200
229,000	139,200
230,000	139,200
231,000	139,200
232,000	139,200
233,000	139,200
234,000	139,200
235,000	139,200
236,000	139,200
237,000	139,200
238,000	139,200
239,000	139,200
240,000	139,200
241,000	139,200
242,000	139,200
243,000	139,200
244,000	139,200
245,000	139,200
246,000	139,200
247,000	139,200
248,000	139,200
249,000	139,200
250,000	139,200
251,000	139,200
252,000	139,200
253,000	139,200
254,000	139,200
255,000	139,200
256,000	139,200
257,000	139,200
258,000	139,200
259,000	139,200
260,000	139,200
261,000	139,200
262,000	139,200
263,000	139,200
264,000	139,200
265,000	139,200
266,000	139,200
267,000	139,200
268,000	139,200
269,000	139,200
270,000	139,200
271,000	139,200
272,000	139,200
273,000	139,200
274,000	139,200
275,000	139,200
276,000	139,200
277,000	139,200
278,000	139,200
279,000	139,200
280,000	139,200
281,000	139,200
282,000	139,200
283,000	139,200
284,000	139,200
285,000	139,200
286,000	139,200
287,000	139,200
288,000	139,200
289,000	139,200
290,000	139,200
291,000	139,200
292,000	139,200
293,000	139,200
294,000	139,200
295,000	139,200
296,000	139,200

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297,000	139,200
298,000	139,200
299,000	139,200
300,000	139,200
301,000	139,200

Time (hrs)	Stage (ft)	Node: NR2112	Type: Stage
0.000	130.100		
1.000	130.100		
2.000	130.101		
3.000	130.102		
4.000	130.103		
5.000	130.104		
6.000	130.105		
7.000	130.106		
8.000	130.107		
9.000	130.108		
10.000	130.109		
11.000	130.110		
12.000	130.111		
13.000	130.112		
14.000	130.113		
15.000	130.114		
16.000	130.115		
17.000	130.116		
18.000	130.117		
19.000	130.118		
20.000	130.119		
21.000	130.120		
22.000	130.121		
23.000	130.122		
24.000	130.123		
25.000	130.124		
26.000	130.125		
27.000	130.126		
28.000	130.127		
29.000	130.128		
30.000	130.129		
31.000	130.130		
32.000	130.131		
33.000	130.132		
34.000	130.133		
35.000	130.134		
36.000	130.135		
37.000	130.136		
38.000	130.137		
39.000	130.138		
40.000	130.139		
41.000	130.140		
42.000	130.141		
43.000	130.142		
44.000	130.143		
45.000	130.144		
46.000	130.145		
47.000	130.146		
48.000	130.147		
49.000	130.148		
50.000	130.149		
51.000	130.150		
52.000	130.151		
53.000	130.152		
54.000	130.153		
55.000	130.154		
56.000	130.155		
57.000	130.156		
58.000	130.157		
59.000	130.158		
60.000	130.159		
61.000	130.160		

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62.000	131.955
63.000	132.020
64.000	132.107
65.000	132.161
66.000	132.186
67.000	132.196
68.000	132.198
69.000	132.183
70.000	132.167
71.000	132.150
72.000	132.133
73.000	132.121
74.000	132.112
75.000	132.105
76.000	132.091
77.000	132.084
78.000	132.078
80.000	132.072
81.000	132.066
82.000	132.059
83.000	132.053
84.000	132.048
85.000	132.042
86.000	132.037
87.000	132.032
88.000	132.028
89.000	132.024
90.000	132.019
91.000	132.015
92.000	132.011
93.000	132.007
94.000	132.004
95.000	132.000
96.000	132.000
97.000	131.993
98.000	131.980
99.000	131.964
100.000	131.946
101.000	131.926
102.000	131.903
103.000	131.891
104.000	131.871
105.000	131.851
106.000	131.831
107.000	131.811
108.000	131.791
109.000	131.772
110.000	131.752
111.000	131.734
112.000	131.716
113.000	131.698
114.000	131.682
115.000	131.670
116.000	131.658
117.000	131.647
118.000	131.640
119.000	131.637
120.000	131.639
121.000	131.651
122.000	131.676
123.000	131.706
124.000	131.742
125.000	131.782
126.000	131.823
127.000	131.867
128.000	131.907
129.000	131.941
130.000	131.975
131.000	132.007
132.000	132.040
133.000	132.072
134.000	132.104

135.000	132.137
136.000	132.170
137.000	132.204
138.000	132.238
139.000	132.272
140.000	132.306
141.000	132.341
142.000	132.379
143.000	132.419
144.000	132.462
145.000	132.506
146.000	132.546
147.000	132.579
148.000	132.607
149.000	132.630
150.000	132.650
151.000	132.668
152.000	132.681
153.000	132.693
154.000	132.703
155.000	132.711
156.000	132.717
157.000	132.721
158.000	132.722
159.000	132.723
160.000	132.718
161.000	132.711
162.000	132.702
163.000	132.696
164.000	132.690
165.000	132.680
166.000	132.670
167.000	132.660
168.000	132.650
169.000	132.640
170.000	132.630
171.000	132.622
172.000	132.613
173.000	132.602
174.000	132.594
175.000	132.584
176.000	132.574
177.000	132.564
178.000	132.554
179.000	132.544
180.000	132.534
181.000	132.524
182.000	132.514
183.000	132.504
184.000	132.494
185.000	132.484
186.000	132.474
187.000	132.464
188.000	132.454
189.000	132.444
190.000	132.434
191.000	132.424
192.000	132.414
193.000	132.404
194.000	132.394
195.000	132.384
196.000	132.374
197.000	132.364
198.000	132.354
199.000	132.344
200.000	132.334
201.000	132.324
202.000	132.314
203.000	132.304
204.000	132.294
205.000	132.284
206.000	132.274
207.000	132.264



208.000	131.637
209.000	131.614
210.000	131.590
211.000	131.566
212.000	131.542
213.000	131.518
214.000	131.494
215.000	131.470
216.000	131.446
217.000	131.422
218.000	131.398
219.000	131.374
220.000	131.350
221.000	131.326
222.000	131.302
223.000	131.278
224.000	131.254
225.000	131.230
226.000	131.206
227.000	131.182
228.000	131.158
229.000	131.134
230.000	131.110
231.000	131.086
232.000	131.062
233.000	131.038
234.000	131.014
235.000	130.990
236.000	130.966
237.000	130.942
238.000	130.918
239.000	130.894
240.000	130.870
241.000	130.846
242.000	130.822
243.000	130.798
244.000	130.774
245.000	130.750
246.000	130.726
247.000	130.702
248.000	130.678
249.000	130.654
250.000	130.630
251.000	130.606
252.000	130.582
253.000	130.558
254.000	130.534
255.000	130.510
256.000	130.486
257.000	130.462
258.000	130.438
259.000	130.414
260.000	130.390
261.000	130.366
262.000	130.342
263.000	130.318
264.000	130.294
265.000	130.270
266.000	130.246
267.000	130.222
268.000	130.198
269.000	130.174
270.000	130.150
271.000	130.126
272.000	130.102
273.000	130.078
274.000	130.054
275.000	130.030
276.000	130.006
277.000	129.982
278.000	129.958
279.000	129.934
280.000	129.910

281.000	131.271
282.000	131.247
283.000	131.223
284.000	131.199
285.000	131.175
286.000	131.151
287.000	131.127
288.000	131.103
289.000	131.079
290.000	131.055
291.000	131.031
292.000	131.007
293.000	130.983
294.000	130.959
295.000	130.935
296.000	130.911
297.000	130.887
298.000	130.863
299.000	130.839
300.000	130.815

Name: PC50Y5d Node: NB2124 Type: Stage

Time (hrs)	Stage (ft)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.001	131.710
6.000	131.710
7.000	131.710
8.000	131.713
9.000	131.719
10.000	131.725
11.000	131.731
12.000	131.738
13.000	131.744
14.001	131.750
15.001	131.756
16.000	131.762
17.000	131.768
18.000	131.775
19.000	131.781
20.000	131.787
21.000	131.793
22.000	131.800
23.000	131.806
24.000	131.812
25.000	131.818
26.000	131.824
27.000	131.830
28.000	131.836
29.000	131.842
30.000	131.848
31.000	131.854
32.001	131.860
33.001	131.866
34.000	131.872
35.000	131.878
36.000	131.884
37.000	131.890
38.000	131.896
39.000	131.902
40.000	131.908
41.000	131.914
42.000	131.920
43.000	131.926
44.000	131.932
45.000	131.938

46.000	132.189
47.000	132.204
48.000	132.218
49.000	132.223
50.000	132.228
51.000	132.233
52.000	132.238
53.000	132.243
54.000	132.248
55.000	132.253
56.000	132.258
57.000	132.263
58.000	132.268
59.000	132.273
60.000	132.278
61.000	132.283
62.000	132.288
63.000	132.293
64.000	132.298
65.000	132.303
66.000	132.308
67.000	132.313
68.000	132.318
69.000	132.323
70.000	132.328
71.000	132.333
72.000	132.338
73.000	132.343
74.000	132.348
75.000	132.353
76.000	132.358
77.000	132.363
78.000	132.368
79.000	132.373
80.000	132.378
81.000	132.383
82.000	132.388
83.000	132.393
84.000	132.398
85.000	132.403
86.000	132.408
87.000	132.413
88.000	132.418
89.000	132.423
90.000	132.428
91.000	132.433
92.000	132.438
93.000	132.443
94.000	132.448
95.000	132.453
96.000	132.458
97.000	132.463
98.000	132.468
99.000	132.473
100.000	132.478
101.000	132.483
102.000	132.488
103.000	132.493
104.000	132.498
105.000	132.503
106.000	132.508
107.000	132.513
108.000	132.518
109.000	132.523
110.000	132.528
111.000	132.533
112.000	132.538
113.000	132.543
114.000	132.548
115.000	132.553
116.000	132.558
117.000	132.563
118.000	132.568

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119.000	132.538
120.000	132.529
121.000	132.516
122.000	132.501
123.000	132.487
124.000	132.473
125.000	132.460
126.000	132.447
127.000	132.435
128.000	132.424
129.000	132.413
130.000	132.402
131.000	132.393
132.000	132.383
133.000	132.374
134.000	132.366
135.000	132.358
136.000	132.351
137.000	132.344
138.000	132.339
139.000	132.334
140.000	132.330
141.000	132.326
142.000	132.322
143.000	132.318
144.000	132.314
145.000	132.309
146.000	132.306
147.000	132.302
148.000	132.299
149.000	132.295
150.000	132.292
151.000	132.289
152.000	132.286
153.000	132.283
154.000	132.280
155.000	132.277
156.000	132.274
157.000	132.271
158.000	132.268
159.000	132.265
160.000	132.262
161.000	132.259
162.000	132.256
163.000	132.253
164.000	132.250
165.000	132.247
166.000	132.244
167.000	132.241
168.000	132.238
169.000	132.235
170.000	132.232
171.000	132.229
172.000	132.226
173.000	132.223
174.000	132.220
175.000	132.217
176.000	132.214
177.000	132.211
178.000	132.208
179.000	132.205
180.000	132.202
181.000	132.199
182.000	132.196
183.000	132.193
184.000	132.190
185.000	132.187
186.000	132.184
187.000	132.181
188.000	132.178
189.000	132.175
190.000	132.172
191.000	132.169

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192.000	132.384
193.000	132.375
194.000	132.366
195.000	132.358
196.000	132.350
197.000	132.341
198.000	132.333
199.000	132.325
200.000	132.317
201.000	132.310
202.000	132.302
203.000	132.295
204.000	132.288
205.000	132.282
206.000	132.275
207.000	132.269
208.000	132.262
209.000	132.257
210.000	132.251
211.000	132.245
212.000	132.240
213.000	132.234
214.000	132.229
215.000	132.224
216.000	132.219
217.000	132.214
218.000	132.209
219.000	132.204
220.000	132.200
221.000	132.195
222.000	132.191
223.000	132.187
224.000	132.182
225.000	132.178
226.000	132.174
227.000	132.170
228.000	132.167
229.000	132.163
230.000	132.159
231.000	132.156
232.000	132.152
233.000	132.148
234.000	132.145
235.000	132.142
236.000	132.138
237.000	132.135
238.000	132.132
239.000	132.129
240.000	132.126
241.000	132.123
242.000	132.120
243.000	132.117
244.000	132.114
245.000	132.112
246.000	132.109
247.000	132.106
248.000	132.103
249.000	132.101
250.000	132.098
251.000	132.096
252.000	132.093
253.000	132.091
254.000	132.088
255.000	132.086
256.000	132.084
257.000	132.081
258.000	132.079
259.000	132.077
260.000	132.075
261.000	132.073
262.000	132.070
263.000	132.068
264.000	132.066

265.000	132.064
266.000	132.062
267.000	132.060
268.000	132.058
269.000	132.056
270.000	132.054
271.000	132.053
272.000	132.051
273.000	132.049
274.000	132.047
275.000	132.045
276.000	132.043
277.000	132.042
278.000	132.040
279.000	132.038
280.000	132.037
281.000	132.036
282.000	132.033
283.000	132.032
284.000	132.030
285.000	132.029
286.000	132.027
287.000	132.026
288.000	132.024
289.000	132.023
290.000	132.021
291.000	132.020
292.000	132.019
293.000	132.018
294.000	132.015
295.000	132.014
296.000	132.013
297.000	132.011
298.000	132.010
299.000	132.008
300.000	132.007

Name: FC500y5d	Node: NB2130	Type: Stage
Time (hrs)	Stage (ft)	
0.000	129.600	
1.000	129.600	
2.000	129.602	
3.000	129.606	
4.000	129.612	
5.001	129.620	
6.000	129.628	
7.000	129.635	
8.000	129.642	
9.000	129.644	
10.000	129.664	
11.000	129.674	
12.000	129.683	
13.000	129.693	
14.001	129.702	
15.001	129.711	
16.000	129.720	
17.000	129.729	
18.000	128.738	
19.000	128.748	
20.000	128.758	
21.000	128.768	
22.000	129.778	
23.000	129.789	
24.001	129.799	
25.000	129.814	
26.000	129.840	
27.000	129.871	
28.000	129.902	
29.000	129.934	

50.000	129.966
51.000	129.998
52.001	130.029
53.001	130.059
54.000	130.089
35.000	130.120
36.000	130.150
37.000	130.179
38.000	130.209
39.000	130.238
40.000	130.267
41.000	130.295
42.000	130.323
43.000	130.351
44.000	130.380
45.000	130.408
46.000	130.437
47.000	130.467
48.000	130.496
49.000	130.519
50.000	130.528
51.000	130.533
52.000	130.540
53.000	130.546
54.000	130.576
55.000	130.608
56.000	130.651
57.000	130.713
58.000	130.773
59.000	130.947
60.000	131.216
61.000	131.588
62.000	131.916
63.000	132.100
64.000	132.163
65.000	132.186
66.000	132.201
67.000	132.209
68.000	132.210
69.000	132.232
70.000	132.243
71.000	132.180
72.000	132.163
73.000	132.147
74.000	132.136
75.000	132.128
76.000	132.121
77.000	132.115
78.000	132.109
79.000	132.103
80.000	132.098
81.000	132.092
82.000	132.087
83.000	132.082
84.000	132.077
85.000	132.073
86.000	132.068
87.000	132.065
88.000	132.061
89.000	132.057
90.000	132.054
91.000	132.051
92.000	132.048
93.000	132.045
94.000	132.042
95.000	132.039
96.000	132.034
97.000	132.024
98.000	132.011
99.000	131.998
100.000	131.986
101.000	131.986
102.000	131.975

103.000	131.966
104.000	131.957
105.000	131.950
106.000	131.943
107.000	131.938
108.000	131.935
109.000	131.931
110.000	131.927
111.000	131.924
112.000	131.921
113.000	131.919
114.000	131.918
115.000	131.916
116.000	131.914
117.000	131.913
118.000	131.911
119.000	131.910
120.000	131.910
121.000	131.908
122.000	131.905
123.000	131.903
124.000	131.900
125.000	131.897
126.000	131.895
127.000	131.894
128.000	131.892
129.000	131.892
130.000	131.892
131.000	131.892
132.000	132.022
133.000	132.057
134.000	132.092
135.000	132.126
136.000	132.161
137.000	132.194
138.000	132.229
139.000	132.263
140.000	132.298
141.000	132.332
142.000	132.370
143.000	132.400
144.000	132.452
145.000	132.497
146.000	132.538
147.000	132.572
148.000	132.601
149.000	132.624
150.000	132.644
151.000	132.661
152.000	132.676
153.000	132.689
154.000	132.697
155.000	132.702
156.000	132.713
157.000	132.717
158.000	132.719
159.000	132.719
160.000	132.716
161.000	132.709
162.000	132.695
163.000	132.678
164.000	132.660
165.000	132.641
166.000	132.621
167.000	132.601
168.000	132.581
169.000	132.563
170.000	132.545
171.000	132.527
172.000	132.508
173.000	132.488
174.000	132.468
175.000	132.448

176.000	132.427
177.000	132.405
178.000	132.383
179.000	132.360
180.000	132.338
181.000	132.316
182.000	132.291
183.000	132.266
184.000	132.242
185.000	132.222
186.000	132.198
187.000	132.175
188.000	132.153
189.000	132.130
190.000	132.108
191.000	132.086
192.000	132.064
193.000	132.043
194.000	132.026
195.000	132.007
196.000	131.990
197.000	131.974
198.000	131.959
199.000	131.947
200.000	131.936
201.000	131.927
202.000	131.919
203.000	131.912
204.000	131.905
205.000	131.903
206.000	131.898
207.000	131.895
208.000	131.892
209.000	131.889
210.000	131.886
211.000	131.884
212.000	131.882
213.000	131.880
214.000	131.878
215.000	131.876
216.000	131.874
217.000	131.873
218.000	131.872
219.000	131.871
220.000	131.870
221.000	131.869
222.000	131.869
223.000	131.868
224.000	131.867
225.000	131.866
226.000	131.866
227.000	131.865
228.000	131.865
229.000	131.865
230.000	131.864
231.000	131.864
232.000	131.863
233.000	131.863
234.000	131.862
235.000	131.862
236.000	131.861
237.000	131.861
238.000	131.860
239.000	131.860
240.000	131.859
241.000	131.859
242.000	131.859
243.000	131.858
244.000	131.858
245.000	131.858
246.000	131.857
247.000	131.857
248.000	131.857

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249.000	131.856
250.000	131.856
251.000	131.856
252.000	131.855
253.000	131.855
254.000	131.855
255.000	131.854
256.000	131.854
257.000	131.854
258.000	131.854
259.000	131.853
260.000	131.853
261.000	131.853
262.000	131.853
263.000	131.852
264.000	131.852
265.000	131.851
266.000	131.851
267.000	131.851
268.000	131.851
269.000	131.851
270.000	131.850
271.000	131.850
272.000	131.850
273.000	131.850
274.000	131.849
275.000	131.849
276.000	131.848
277.000	131.848
278.000	131.848
279.000	131.848
280.000	131.848
281.000	131.847
282.000	131.847
283.000	131.847
284.000	131.847
285.000	131.846
286.000	131.846
287.000	131.846
288.000	131.845
289.000	131.845
290.000	131.845
291.000	131.845
292.000	131.844
293.000	131.844
294.000	131.844
295.000	131.844
296.000	131.843
297.000	131.843
298.000	131.843
299.000	131.842
300.000	131.842
301.000	131.842

Name: P10Y1d	Node: NB0043	Type: Stage
Time (hrs)	Stage (Ft)	
0.000	143.090	
1.000	143.090	
2.000	143.090	
3.000	143.090	
4.000	143.090	
5.001	143.090	
6.000	143.090	
7.000	143.090	
8.000	143.090	
9.000	143.090	
10.000	143.090	
11.000	143.090	
12.000	143.198	
13.001	143.434	

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14,000	143.408
15,000	143.361
16,000	143.313
17,000	143.265
18,000	143.217
19,000	143.172
20,000	143.128
21,000	143.090
22,000	143.090
23,000	143.090
24,000	143.090
25,000	143.090
26,000	143.090
27,000	143.090
28,000	143.090
29,000	143.090
30,000	143.090
31,000	143.090
32,000	143.090
33,000	143.090
34,000	143.090
35,000	143.090
36,000	143.090
37,000	143.090
38,000	143.090
39,000	143.090
40,000	143.090
41,000	143.090
42,000	143.090
43,000	143.090
44,000	143.090
45,000	143.090
46,000	143.090
47,000	143.090
48,000	143.090
49,000	143.090
50,000	143.090
51,000	143.090
52,000	143.090
53,000	143.090
54,000	143.090
55,000	143.090
56,000	143.090
57,000	143.090
58,000	143.090
59,000	143.090
60,000	143.090
61,000	143.090
62,000	143.090
63,000	143.090
64,000	143.090
65,000	143.090
66,000	143.090
67,000	143.090
68,000	143.090
69,000	143.090
70,000	143.090
71,000	143.090
72,000	143.090
73,000	143.090
74,000	143.090
75,000	143.090
76,000	143.090
77,000	143.090
78,000	143.090
79,000	143.090
80,000	143.090
81,000	143.090
82,000	143.090
83,000	143.090
84,000	143.090
85,000	143.090
86,000	143.090

87,000	143.090
88,000	143.090
89,000	143.090
90,000	143.090
91,000	143.090
92,000	143.090
93,000	143.090
94,000	143.090
95,000	143.090
96,000	143.090
97,000	143.090
98,000	143.090
99,000	143.090
100,000	143.090
101,000	143.090
102,000	143.090
103,000	143.090
104,000	143.090
105,000	143.090
106,000	143.090
107,000	143.090
108,000	143.090
109,000	143.090
110,000	143.090
111,000	143.090
112,000	143.090
113,000	143.090
114,000	143.090
115,000	143.090
116,000	143.090
117,000	143.090
118,000	143.090
119,000	143.090
120,000	143.090
121,000	143.090
122,000	143.090
123,000	143.090
124,000	143.090
125,000	143.090
126,000	143.090
127,000	143.090
128,000	143.090
129,000	143.090
130,000	143.090
131,000	143.090
132,000	143.090
133,000	143.090
134,000	143.090
135,000	143.090
136,000	143.090
137,000	143.090
138,000	143.090
139,000	143.090
140,000	143.090
141,000	143.090
142,000	143.090
143,000	143.090
144,000	143.090
145,000	143.090
146,000	143.090
147,000	143.090
148,000	143.090
149,000	143.090
150,000	143.090
151,000	143.090
152,000	143.090
153,000	143.090
154,000	143.090
155,000	143.090
156,000	143.090
157,000	143.090
158,000	143.090
159,000	143.090

160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Name: P10Yd1 Node: NB0050 Type: Stage

Time (hrs)	Stage (Ft)
0.000	129.420
1.000	129.420
2.000	129.421
3.000	129.426
4.000	129.442
5.001	129.452
6.000	129.452
7.000	129.464
8.000	129.478
9.000	129.494
10.000	129.514
11.000	129.539
12.000	129.587
13.001	129.733
14.000	129.860
15.000	129.922
16.000	129.926
17.000	129.978
18.000	129.991
19.000	130.000
20.000	130.008
21.000	130.015
22.000	130.020
23.000	130.024
24.000	130.027

25.000	130.028
26.000	130.025
27.000	130.020
28.000	130.015
29.000	130.010
30.000	130.004
31.000	129.998
32.000	129.993
33.000	129.988
34.000	129.983
35.000	129.978
36.000	129.973
37.000	129.968
38.000	129.963
39.000	129.959
40.000	129.954
41.000	129.949
42.000	129.945
43.000	129.941
44.000	129.937
45.000	129.933
46.000	129.928
47.000	129.924
48.000	129.920
49.000	129.916
50.000	129.913
51.000	129.909
52.000	129.905
53.000	129.901
54.000	129.898
55.000	129.894
56.000	129.891
57.000	129.887
58.000	129.884
59.000	129.881
60.000	129.877
61.000	129.874
62.000	129.871
63.000	129.868
64.000	129.864
65.000	129.859
66.000	129.855
67.000	129.851
68.000	129.847
69.000	129.844
70.000	129.841
71.000	129.839
72.000	129.836
73.000	129.833
74.000	129.830
75.000	129.827
76.000	129.824
77.000	129.821
78.000	129.818
79.000	129.815
80.000	129.812
81.000	129.809
82.000	129.806
83.000	129.803
84.000	129.800
85.000	129.797
86.000	129.794
87.000	129.791
88.000	129.788
89.000	129.785
90.000	129.783
91.000	129.780
92.000	129.777
93.000	129.774
94.000	129.771
95.000	129.768
96.000	129.765
97.000	129.763

98.000	129.781
99.000	129.779
100.000	129.777
101.000	129.775
102.000	129.773
103.000	129.771
104.000	129.770
105.000	129.768
106.000	129.766
107.000	129.764
108.000	129.762
109.000	129.761
110.000	129.759
111.000	129.757
112.000	129.756
113.000	129.754
114.000	129.752
115.000	129.751
116.000	129.749
117.000	129.747
118.000	129.746
119.000	129.744
120.000	129.743
121.000	129.741
122.000	129.740
123.000	129.738
124.000	129.737
125.000	129.735
126.000	129.734
127.000	129.732
128.000	129.731
129.000	129.730
130.000	129.728
131.000	129.727
132.000	129.726
133.000	129.724
134.000	129.723
135.000	129.722
136.000	129.720
137.000	129.719
138.000	129.718
139.000	129.716
140.000	129.715
141.000	129.714
142.000	129.713
143.000	129.711
144.000	129.710
145.000	129.709
146.000	129.708
147.000	129.707
148.000	129.706
149.000	129.704
150.000	129.703
151.000	129.702
152.000	129.701
153.000	129.700
154.000	129.699
155.000	129.698
156.000	129.697
157.000	129.695
158.000	129.694
159.000	129.693
160.000	129.692
161.000	129.691
162.000	129.690
163.000	129.689
164.000	129.688
165.000	129.687
166.000	129.686
167.000	129.685
168.000	129.684
169.000	129.683
170.000	129.682

171.000	129.681
172.000	129.680
173.000	129.680
174.000	129.679
175.000	129.678
176.000	129.677
177.000	129.676
178.000	129.675
179.000	129.674
180.000	129.673
181.000	129.672
182.000	129.671
183.000	129.671
184.000	129.670
185.000	129.669
186.000	129.668
187.000	129.667
188.000	129.666
189.000	129.666
190.000	129.665
191.000	129.664
192.000	129.663
193.000	129.663
194.000	129.662
195.000	129.661
196.000	129.660
197.000	129.659
198.000	129.659
199.000	129.657
200.000	129.657

Name: PClOy1d	Node: NB0102	Type: Stage
Time (hrs)	Stage (Ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.001	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.201	
13.001	139.500	
14.000	139.200	
15.000	139.200	
16.000	139.200	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.000	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	
28.000	139.200	
29.000	139.200	
30.000	139.200	
31.000	139.200	
32.000	139.200	
33.000	139.200	
34.000	139.200	
35.000	139.200	



36,000	139,200
37,000	139,200
38,000	139,200
39,000	139,200
40,000	139,200
41,000	139,200
42,000	139,200
43,000	139,200
44,000	139,200
45,000	139,200
46,000	139,200
47,000	139,200
48,000	139,200
49,000	139,200
50,000	139,200
51,000	139,200
52,000	139,200
53,000	139,200
54,000	139,200
55,000	139,200
56,000	139,200
57,000	139,200
58,000	139,200
59,000	139,200
60,000	139,200
61,000	139,200
62,000	139,200
63,000	139,200
64,000	139,200
65,000	139,200
66,000	139,200
67,000	139,200
68,000	139,200
69,000	139,200
70,000	139,200
71,000	139,200
72,000	139,200
73,000	139,200
74,000	139,200
75,000	139,200
76,000	139,200
77,000	139,200
78,000	139,200
79,000	139,200
80,000	139,200
81,000	139,200
82,000	139,200
83,000	139,200
84,000	139,200
85,000	139,200
86,000	139,200
87,000	139,200
88,000	139,200
89,000	139,200
90,000	139,200
91,000	139,200
92,000	139,200
93,000	139,200
94,000	139,200
95,000	139,200
96,000	139,200
97,000	139,200
98,000	139,200
99,000	139,200
100,000	139,200
101,000	139,200
102,000	139,200
103,000	139,200
104,000	139,200
105,000	139,200
106,000	139,200
107,000	139,200
108,000	139,200

109,000	139,200
110,000	139,200
111,000	139,200
112,000	139,200
113,000	139,200
114,000	139,200
115,000	139,200
116,000	139,200
117,000	139,200
118,000	139,200
119,000	139,200
120,000	139,200
121,000	139,200
122,000	139,200
123,000	139,200
124,000	139,200
125,000	139,200
126,000	139,200
127,000	139,200
128,000	139,200
129,000	139,200
130,000	139,200
131,000	139,200
132,000	139,200
133,000	139,200
134,000	139,200
135,000	139,200
136,000	139,200
137,000	139,200
138,000	139,200
139,000	139,200
140,000	139,200
141,000	139,200
142,000	139,200
143,000	139,200
144,000	139,200
145,000	139,200
146,000	139,200
147,000	139,200
148,000	139,200
149,000	139,200
150,000	139,200
151,000	139,200
152,000	139,200
153,000	139,200
154,000	139,200
155,000	139,200
156,000	139,200
157,000	139,200
158,000	139,200
159,000	139,200
160,000	139,200
161,000	139,200
162,000	139,200
163,000	139,200
164,000	139,200
165,000	139,200
166,000	139,200
167,000	139,200
168,000	139,200
169,000	139,200
170,000	139,200
171,000	139,200
172,000	139,200
173,000	139,200
174,000	139,200
175,000	139,200
176,000	139,200
177,000	139,200
178,000	139,200
179,000	139,200
180,000	139,200
181,000	139,200

182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PclOy1d

Node: NB2112

Type: Stage

Time (hrs)	Stage (ft)
0.000	130.100
1.000	130.100
2.000	130.100
3.000	130.105
4.000	130.109
5.001	130.114
6.000	130.122
7.000	130.133
8.000	130.148
9.000	130.168
10.000	130.195
11.000	130.235
12.000	130.282
13.000	130.342
14.000	130.419
15.000	130.517
16.000	130.647
17.000	130.803
18.000	130.991
19.000	131.023
20.000	131.052
21.000	131.078
22.000	131.100
23.000	131.121
24.000	131.139
25.000	131.157
26.000	131.174
27.000	131.189
28.000	131.160
29.000	131.161
30.000	131.161
31.000	131.160
32.000	131.158
33.000	131.156
34.000	131.157
35.000	131.155
36.000	131.153
37.000	131.152
38.000	131.149
39.000	131.146
40.000	131.144
41.000	131.142
42.000	131.139
43.000	131.137
44.000	131.135
45.000	131.133
46.000	131.130

47.000	131.128
48.000	131.126
49.000	131.124
50.000	131.122
51.000	131.120
52.000	131.118
53.000	131.116
54.000	131.114
55.000	131.112
56.000	131.110
57.000	131.108
58.000	131.106
59.000	131.104
60.000	131.103
61.000	131.101
62.000	131.099
63.000	131.097
64.000	131.095
65.000	131.094
66.000	131.092
67.000	131.090
68.000	131.089
69.000	131.087
70.000	131.085
71.000	131.084
72.000	131.082
73.000	131.080
74.000	131.077
75.000	131.075
76.000	131.076
77.000	131.074
78.000	131.073
79.000	131.071
80.000	131.070
81.000	131.068
82.000	131.067
83.000	131.065
84.000	131.064
85.000	131.063
86.000	131.061
87.000	131.060
88.000	131.058
89.000	131.057
90.000	131.056
91.000	131.054
92.000	131.053
93.000	131.052
94.000	131.050
95.000	131.049
96.000	131.048
97.000	131.046
98.000	131.044
99.000	131.043
100.000	131.041
101.000	131.040
102.000	131.039
103.000	131.038
104.000	131.037
105.000	131.035
106.000	131.034
107.000	131.033
108.000	131.032
109.000	131.030
110.000	131.028
111.000	131.027
112.000	131.026
113.000	131.025
114.000	131.024
115.000	131.023
116.000	131.022
117.000	131.021
118.000	131.021
119.000	131.021

120.000	131.020
121.000	131.019
122.000	131.018
123.000	131.017
124.000	131.016
125.000	131.015
126.000	131.014
127.000	131.013
128.000	131.012
129.000	131.011
130.000	131.010
131.000	131.009
132.000	131.008
133.000	131.007
134.000	131.006
135.000	131.005
136.000	131.004
137.000	131.003
138.000	131.002
139.000	131.001
140.000	131.000
141.000	131.000
142.000	131.000
143.000	130.999
144.000	130.998
145.000	130.997
146.000	130.996
147.000	130.995
148.000	130.994
149.000	130.993
150.000	130.992
151.000	130.991
152.000	130.991
153.000	130.991
154.000	130.990
155.000	130.989
156.000	130.988
157.000	130.988
158.000	130.987
159.000	130.986
160.000	130.985
161.000	130.984
162.000	130.983
163.000	130.983
164.000	130.982
165.000	130.982
166.000	130.981
167.000	130.981
168.000	130.980
169.000	130.979
170.000	130.979
171.000	130.978
172.000	130.977
173.000	130.977
174.000	130.976
175.000	130.975
176.000	130.975
177.000	130.974
178.000	130.973
179.000	130.973
180.000	130.972
181.000	130.972
182.000	130.971
183.000	130.971
184.000	130.970
185.000	130.969
186.000	130.969
187.000	130.968
188.000	130.967
189.000	130.967
190.000	130.966
191.000	130.966
192.000	130.965

193.000	130.965
194.000	130.964
195.000	130.963
196.000	130.963
197.000	130.962
198.000	130.962
199.000	130.961
200.000	130.961
200.000	130.961

Time (hrs)	Stage (ft)	Node: NB214	Type: Stage
0.000	131.710		
1.000	131.710		
2.000	131.710		
3.000	131.710		
4.000	131.710		
5.001	131.712		
6.000	131.723		
7.000	131.737		
8.000	131.753		
9.000	131.772		
10.000	131.796		
11.000	131.830		
12.000	131.871		
13.000	131.921		
14.000	132.000		
15.000	132.216		
16.000	132.256		
17.000	132.268		
18.000	132.277		
19.000	132.283		
20.000	132.289		
21.000	132.292		
22.000	132.295		
23.000	132.298		
24.000	132.299		
25.000	132.299		
26.000	132.288		
27.000	132.282		
28.000	132.275		
29.000	132.269		
30.000	132.263		
31.000	132.257		
32.000	132.251		
33.000	132.245		
34.000	132.240		
35.000	132.234		
36.000	132.228		
37.000	132.222		
38.000	132.219		
39.000	132.214		
40.000	132.209		
41.000	132.204		
42.000	132.200		
43.000	132.195		
44.000	132.191		
45.000	132.187		
46.000	132.182		
47.000	132.178		
48.000	132.174		
49.000	132.170		
50.000	132.167		
51.000	132.163		
52.000	132.159		
53.000	132.156		
54.000	132.152		
55.000	132.149		
56.000	132.145		
57.000	132.142		

58.000	132.139
59.000	132.135
60.000	132.132
61.000	132.129
62.000	132.125
63.000	132.122
64.000	132.117
65.000	132.114
66.000	132.112
67.000	132.109
68.000	132.106
69.000	132.103
70.000	132.101
71.000	132.098
72.000	132.096
73.000	132.093
74.000	132.091
75.000	132.088
76.000	132.086
77.000	132.084
78.000	132.081
79.000	132.079
80.000	132.077
81.000	132.075
82.000	132.073
83.000	132.070
84.000	132.068
85.000	132.066
86.000	132.064
87.000	132.062
88.000	132.060
89.000	132.058
90.000	132.056
91.000	132.054
92.000	132.053
93.000	132.051
94.000	132.049
95.000	132.047
96.000	132.045
97.000	132.043
98.000	132.042
99.000	132.040
100.000	132.038
101.000	132.037
102.000	132.035
103.000	132.033
104.000	132.032
105.000	132.030
106.000	132.029
107.000	132.027
108.000	132.026
109.000	132.025
110.000	132.023
111.000	132.021
112.000	132.020
113.000	132.018
114.000	132.017
115.000	132.015
116.000	132.014
117.000	132.013
118.000	132.011
119.000	132.010
120.000	132.009
121.000	132.007
122.000	132.006
123.000	132.005
124.000	132.003
125.000	132.002
126.000	132.001
127.000	132.000
128.000	132.000
129.000	131.998
130.000	131.997

131.000	131.996
132.000	131.995
133.000	131.994
134.000	131.992
135.000	131.991
136.000	131.990
137.000	131.989
138.000	131.988
139.000	131.987
140.000	131.986
141.000	131.985
142.000	131.983
143.000	131.982
144.000	131.981
145.000	131.980
146.000	131.979
147.000	131.977
148.000	131.976
149.000	131.974
150.000	131.974
151.000	131.974
152.000	131.973
153.000	131.972
154.000	131.971
155.000	131.970
156.000	131.969
157.000	131.969
158.000	131.968
159.000	131.968
160.000	131.966
161.000	131.965
162.000	131.964
163.000	131.963
164.000	131.962
165.000	131.961
166.000	131.961
167.000	131.960
168.000	131.959
169.000	131.959
170.000	131.957
171.000	131.956
172.000	131.955
173.000	131.955
174.000	131.954
175.000	131.953
176.000	131.952
177.000	131.951
178.000	131.951
179.000	131.950
180.000	131.949
181.000	131.948
182.000	131.948
183.000	131.945
184.000	131.946
185.000	131.945
186.000	131.945
187.000	131.944
188.000	131.943
189.000	131.942
190.000	131.942
191.000	131.941
192.000	131.940
193.000	131.940
194.000	131.938
195.000	131.938
196.000	131.938
197.000	131.937
198.000	131.936
199.000	131.936
200.000	131.935
200.000	131.935

Name: P10Y1d	Node: NB2130	Type: Stage
Time(hrs)	Stage(ft)	
1.000	129.610	
2.000	129.601	
3.000	129.601	
4.000	129.623	
5.001	129.636	
6.000	129.653	
7.000	129.673	
8.000	129.695	
9.000	129.722	
10.000	129.755	
11.000	129.801	
12.000	129.838	
13.001	130.389	
14.000	130.499	
15.000	130.563	
16.000	130.563	
17.000	130.597	
18.000	130.622	
19.000	130.642	
20.000	130.658	
21.000	130.673	
22.000	130.685	
23.000	130.696	
24.000	130.706	
25.000	130.711	
26.000	130.710	
27.000	130.707	
28.000	130.702	
29.000	130.698	
30.000	130.693	
31.000	130.689	
32.000	130.686	
33.000	130.682	
34.000	130.679	
35.000	130.676	
36.000	130.672	
37.000	130.670	
38.000	130.669	
39.000	130.669	
40.000	130.669	
41.000	130.669	
42.000	130.669	
43.000	130.670	
44.000	130.671	
45.000	130.671	
46.000	130.672	
47.000	130.672	
48.000	130.672	
49.000	130.675	
50.000	130.675	
51.000	130.676	
52.000	130.677	
53.000	130.678	
54.000	130.678	
55.000	130.679	
56.000	130.680	
57.000	130.681	
58.000	130.682	
59.000	130.682	
60.000	130.682	
61.000	130.684	
62.000	130.684	
63.000	130.685	
64.000	130.686	
65.000	130.686	
66.000	130.687	
67.000	130.688	
68.000	130.688	

Deberry Engineers, Inc.  
 01/23/2023

69.000	130.689	
70.000	130.690	
71.000	130.690	
72.000	130.691	
73.000	130.692	
74.000	130.692	
75.000	130.693	
76.000	130.693	
77.000	130.694	
78.000	130.694	
79.000	130.695	
80.000	130.696	
81.000	130.696	
82.000	130.697	
83.000	130.697	
84.000	130.698	
85.000	130.698	
86.000	130.699	
87.000	130.699	
88.000	130.700	
89.000	130.700	
90.000	130.701	
91.000	130.701	
92.000	130.702	
93.000	130.702	
94.000	130.703	
95.000	130.703	
96.000	130.704	
97.000	130.704	
98.000	130.705	
99.000	130.705	
100.000	130.706	
101.000	130.706	
102.000	130.706	
103.000	130.707	
104.000	130.707	
105.000	130.708	
106.000	130.708	
107.000	130.709	
108.000	130.709	
109.000	130.710	
110.000	130.710	
111.000	130.711	
112.000	130.711	
113.000	130.711	
114.000	130.711	
115.000	130.712	
116.000	130.712	
117.000	130.713	
118.000	130.713	
119.000	130.713	
120.000	130.714	
121.000	130.714	
122.000	130.714	
123.000	130.715	
124.000	130.715	
125.000	130.715	
126.000	130.716	
127.000	130.716	
128.000	130.716	
129.000	130.717	
130.000	130.717	
131.000	130.718	
132.000	130.718	
133.000	130.718	
134.000	130.718	
135.000	130.719	
136.000	130.719	
137.000	130.719	
138.000	130.720	
139.000	130.720	
140.000	130.720	
141.000	130.721	

Deberry Engineers, Inc.  
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142.000	130.721		
143.000	130.721		
144.000	130.722		
145.000	130.722		
146.000	130.722		
147.000	130.722		
148.000	130.723		
149.000	130.723		
150.000	130.724		
151.000	130.724		
152.000	130.724		
153.000	130.724		
154.000	130.724		
155.000	130.725		
156.000	130.725		
157.000	130.725		
158.000	130.725		
159.000	130.726		
160.000	130.726		
161.000	130.726		
162.000	130.726		
163.000	130.727		
164.000	130.727		
165.000	130.727		
166.000	130.727		
167.000	130.728		
168.000	130.728		
169.000	130.728		
170.000	130.728		
171.000	130.729		
172.000	130.729		
173.000	130.729		
174.000	130.729		
175.000	130.730		
176.000	130.730		
177.000	130.730		
178.000	130.730		
179.000	130.731		
180.000	130.731		
181.000	130.731		
182.000	130.731		
183.000	130.731		
184.000	130.732		
185.000	130.732		
186.000	130.732		
187.000	130.732		
188.000	130.732		
189.000	130.733		
190.000	130.733		
191.000	130.733		
192.000	130.733		
193.000	130.733		
194.000	130.733		
195.000	130.734		
196.000	130.734		
197.000	130.734		
198.000	130.734		
199.000	130.735		
200.000	130.735		
200.000	130.735		

Deberry Engineers, Inc.  
 01/23/2023

7.000	143.090		
8.000	143.090		
9.000	143.090		
10.000	143.090		
11.000	143.090		
12.000	143.215		
13.000	143.472		
14.000	143.453		
15.000	143.411		
16.000	143.366		
17.000	143.322		
18.000	143.278		
19.000	143.234		
20.000	143.193		
21.000	143.150		
22.000	143.110		
23.000	143.070		
24.000	143.030		
25.000	143.090		
26.000	143.090		
27.000	143.090		
28.000	143.090		
29.000	143.090		
30.000	143.090		
31.000	143.090		
32.000	143.090		
33.000	143.090		
34.000	143.090		
35.000	143.090		
36.000	143.090		
37.000	143.090		
38.000	143.090		
39.000	143.090		
40.000	143.090		
41.000	143.090		
42.000	143.090		
43.000	143.090		
44.000	143.090		
45.000	143.090		
46.000	143.090		
47.000	143.090		
48.000	143.090		
49.000	143.090		
50.000	143.090		
51.000	143.090		
52.000	143.090		
53.000	143.090		
54.000	143.090		
55.000	143.090		
56.000	143.090		
57.000	143.090		
58.000	143.090		
59.000	143.090		
60.000	143.090		
61.000	143.090		
62.000	143.090		
63.000	143.090		
64.000	143.090		
65.000	143.090		
66.000	143.090		
67.000	143.090		
68.000	143.090		
69.000	143.090		
70.000	143.090		
71.000	143.090		
72.000	143.090		
73.000	143.090		
74.000	143.090		
75.000	143.090		
76.000	143.090		
77.000	143.090		
78.000	143.090		
79.000	143.090		

Deberry Engineers, Inc.  
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80.000	143.090
81.000	143.090
82.000	143.090
83.000	143.090
84.000	143.090
85.000	143.090
86.000	143.090
87.000	143.090
88.000	143.090
89.000	143.090
90.000	143.090
91.000	143.090
92.000	143.090
93.000	143.090
94.000	143.090
95.000	143.090
96.000	143.090
97.000	143.090
98.000	143.090
99.000	143.090
100.000	143.090
101.000	143.090
102.000	143.090
103.000	143.090
104.000	143.090
105.000	143.090
106.000	143.090
107.000	143.090
108.000	143.090
109.000	143.090
110.000	143.090
111.000	143.090
112.000	143.090
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090

153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

Name: PC25Y1d	Node: NB0050	Type: Stage
Time (hrs)	Stage (ft)	
0.000	129.420	
1.000	129.420	
2.000	129.421	
3.000	129.427	
4.000	129.435	
5.001	129.444	
6.000	129.456	
7.000	128.469	
8.000	128.484	
9.000	128.492	
10.000	128.522	
11.000	129.550	
12.000	129.600	
13.000	129.780	
14.000	129.895	
15.000	129.962	
16.000	130.001	
17.000	130.021	
18.000	130.035	

19.000	130.045
20.000	130.053
21.000	130.059
22.000	130.064
23.000	130.068
24.000	130.071
25.000	130.071
26.000	130.067
27.000	130.062
28.000	130.056
29.000	130.049
30.000	130.043
31.000	130.037
32.000	130.031
33.000	130.025
34.000	130.019
35.000	130.013
36.000	130.008
37.000	130.002
38.000	129.997
39.000	129.992
40.000	129.986
41.000	129.981
42.000	129.976
43.000	129.971
44.000	129.967
45.000	129.962
46.000	129.957
47.000	129.953
48.000	129.948
49.000	129.944
50.000	129.940
51.000	129.935
52.000	129.931
53.000	129.927
54.000	129.923
55.000	129.919
56.000	129.915
57.000	129.911
58.000	129.907
59.000	129.903
60.000	129.900
61.000	129.896
62.000	129.893
63.000	129.889
64.000	129.886
65.000	129.883
66.000	129.879
67.000	129.876
68.000	129.873
69.000	129.870
70.000	129.866
71.000	129.863
72.000	129.860
73.000	129.857
74.000	129.854
75.000	129.851
76.000	129.849
77.000	129.846
78.000	129.843
79.000	129.840
80.000	129.838
81.000	129.835
82.000	129.832
83.000	129.829
84.000	129.827
85.000	129.825
86.000	129.822
87.000	129.820
88.000	129.817
89.000	129.815
90.000	129.812
91.000	129.810

92.000	129.808
93.000	129.805
94.000	129.801
95.000	129.801
96.000	129.798
97.000	129.797
98.000	129.794
99.000	129.792
100.000	129.790
101.000	129.788
102.000	129.786
103.000	129.784
104.000	129.782
105.000	129.780
106.000	129.778
107.000	129.776
108.000	129.774
109.000	129.773
110.000	129.771
111.000	129.769
112.000	129.767
113.000	129.765
114.000	129.763
115.000	129.762
116.000	129.760
117.000	129.758
118.000	129.757
119.000	129.755
120.000	129.753
121.000	129.752
122.000	129.750
123.000	129.748
124.000	129.747
125.000	129.745
126.000	129.744
127.000	129.742
128.000	129.741
129.000	129.739
130.000	129.738
131.000	129.736
132.000	129.735
133.000	129.733
134.000	129.732
135.000	129.730
136.000	129.729
137.000	129.728
138.000	129.726
139.000	129.725
140.000	129.724
141.000	129.722
142.000	129.721
143.000	129.720
144.000	129.718
145.000	129.717
146.000	129.716
147.000	129.715
148.000	129.713
149.000	129.712
150.000	129.711
151.000	129.710
152.000	129.709
153.000	129.707
154.000	129.706
155.000	129.704
156.000	129.703
157.000	129.703
158.000	129.702
159.000	129.700
160.000	129.699
161.000	129.699
162.000	129.697
163.000	129.696
164.000	129.695



165.000	129.694		
166.000	129.693		
167.000	129.692		
168.000	129.691		
169.000	129.689		
170.000	129.689		
171.000	129.688		
172.000	129.687		
173.000	129.686		
174.000	129.685		
175.000	129.684		
176.000	129.683		
177.000	129.682		
178.000	129.681		
179.000	129.680		
180.000	129.679		
181.000	129.678		
182.000	129.677		
183.000	129.676		
184.000	129.675		
185.000	129.675		
186.000	129.674		
187.000	129.673		
188.000	129.672		
189.000	129.671		
190.000	129.670		
191.000	129.669		
192.000	129.669		
193.000	129.668		
194.000	129.667		
195.000	129.666		
196.000	129.665		
197.000	129.664		
198.000	129.664		
199.000	129.663		
200.000	129.662		

Name: PC25Y1d Node: NB010Z Type: Stage

Time (hrs)	Stage (ft)
0.000	139.200
1.000	139.200
2.000	139.200
3.000	139.200
4.000	139.200
5.001	139.200
6.000	139.200
7.000	139.200
8.000	139.200
9.000	139.200
10.000	139.200
11.000	139.200
12.000	139.201
13.000	139.619
14.000	139.200
15.000	139.200
16.000	139.200
17.000	139.200
18.000	139.200
19.000	139.200
20.000	139.200
21.000	139.200
22.000	139.200
23.000	139.200
24.000	139.200
25.000	139.200
26.000	139.200
27.000	139.200
28.000	139.200
29.000	139.200
30.000	139.200

31.000	139.200
32.000	139.200
33.000	139.200
34.000	139.200
35.000	139.200
36.000	139.200
37.000	139.200
38.000	139.200
39.000	139.200
40.000	139.200
41.000	139.200
42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.200
61.000	139.200
62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200
77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200

104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200

177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200
188.000	139.200
189.000	139.200
190.000	139.200
191.000	139.200
192.000	139.200
193.000	139.200
194.000	139.200
195.000	139.200
196.000	139.200
197.000	139.200
198.000	139.200
199.000	139.200
200.000	139.200

Name: PC25Y4D Node: NB211Z Type: Stage

Time (hrs)	Stage (ft)
0.000	130.100
1.000	130.100
2.000	130.102
3.000	130.105
4.000	130.110
5.001	130.115
6.000	130.125
7.000	130.138
8.000	130.154
9.000	130.175
10.000	130.200
11.000	130.252
12.000	130.348
13.000	130.647
14.000	130.816
15.000	130.917
16.000	130.983
17.000	131.033
18.000	131.075
19.000	131.110
20.000	131.140
21.000	131.167
22.000	131.192
23.000	131.207
24.000	131.223
25.000	131.232
26.000	131.233
27.000	131.231
28.000	131.227
29.000	131.223
30.000	131.219
31.000	131.214
32.000	131.210
33.000	131.206
34.000	131.202
35.000	131.198
36.000	131.194
37.000	131.191
38.000	131.187
39.000	131.184
40.000	131.180
41.000	131.177
42.000	131.174

43.000	131.171
44.000	131.168
45.000	131.165
46.000	131.162
47.000	131.159
48.000	131.157
49.000	131.154
50.000	131.151
51.000	131.149
52.000	131.146
53.000	131.144
54.000	131.141
55.000	131.139
56.000	131.137
57.000	131.134
58.000	131.132
59.000	131.129
60.000	131.128
61.000	131.125
62.000	131.123
63.000	131.121
64.000	131.119
65.000	131.117
66.000	131.115
67.000	131.113
68.000	131.111
69.000	131.109
70.000	131.107
71.000	131.105
72.000	131.102
73.000	131.100
74.000	131.098
75.000	131.096
76.000	131.094
77.000	131.093
78.000	131.091
79.000	131.089
80.000	131.088
81.000	131.086
82.000	131.085
83.000	131.083
84.000	131.081
85.000	131.080
86.000	131.078
87.000	131.077
88.000	131.075
89.000	131.073
90.000	131.072
91.000	131.070
92.000	131.069
93.000	131.068
94.000	131.066
95.000	131.065
96.000	131.063
97.000	131.062
98.000	131.060
99.000	131.059
100.000	131.058
101.000	131.056
102.000	131.055
103.000	131.053
104.000	131.052
105.000	131.050
106.000	131.049
107.000	131.048
108.000	131.047
109.000	131.046
110.000	131.044
111.000	131.043
112.000	131.042
113.000	131.041
114.000	131.039
115.000	131.039

116.000	131.038
117.000	131.037
118.000	131.036
119.000	131.035
120.000	131.033
121.000	131.032
122.000	131.031
123.000	131.030
124.000	131.029
125.000	131.028
126.000	131.027
127.000	131.026
128.000	131.025
129.000	131.024
130.000	131.022
131.000	131.021
132.000	131.020
133.000	131.019
134.000	131.018
135.000	131.017
136.000	131.016
137.000	131.015
138.000	131.014
139.000	131.013
140.000	131.012
141.000	131.011
142.000	131.011
143.000	131.010
144.000	131.010
145.000	131.008
146.000	131.007
147.000	131.006
148.000	131.005
149.000	131.004
150.000	131.003
151.000	131.002
152.000	131.002
153.000	131.001
154.000	131.000
155.000	131.000
156.000	130.999
157.000	130.997
158.000	130.997
159.000	130.996
160.000	130.995
161.000	130.994
162.000	130.993
163.000	130.993
164.000	130.992
165.000	130.991
166.000	130.990
167.000	130.989
168.000	130.988
169.000	130.988
170.000	130.987
171.000	130.987
172.000	130.986
173.000	130.985
174.000	130.984
175.000	130.984
176.000	130.983
177.000	130.982
178.000	130.982
179.000	130.981
180.000	130.980
181.000	130.979
182.000	130.979
183.000	130.978
184.000	130.978
185.000	130.977
186.000	130.976
187.000	130.976
188.000	130.975
189.000	130.975

189,000	130,974
190,000	130,974
191,000	130,973
192,000	130,972
193,000	130,972
194,000	130,971
195,000	130,971
196,000	130,970
197,000	130,969
198,000	130,969
199,000	130,968
200,000	130,968

Time(hrs)	Stage(Fe)	Node: NB214	Type: Stage
0.000	131.710		
1.000	131.710		
2.000	131.710		
3.000	131.710		
4.000	131.710		
5.001	131.714		
6.000	131.727		
7.000	131.742		
8.000	131.760		
9.000	131.782		
10.000	131.808		
11.000	131.842		
12.000	131.951		
13.000	132.193		
14.000	132.257		
15.000	132.282		
16.000	132.298		
17.000	132.310		
18.000	132.319		
19.000	132.325		
20.000	132.330		
21.000	132.332		
22.000	132.333		
23.000	132.337		
24.000	132.338		
25.000	132.333		
26.000	132.326		
27.000	132.318		
28.000	132.310		
29.000	132.303		
30.000	132.296		
31.000	132.289		
32.000	132.282		
33.000	132.276		
34.000	132.269		
35.000	132.263		
36.000	132.257		
37.000	132.251		
38.000	132.245		
39.000	132.240		
40.000	132.234		
41.000	132.229		
42.000	132.224		
43.000	132.219		
44.000	132.214		
45.000	132.209		
46.000	132.205		
47.000	132.200		
48.000	132.196		
49.000	132.191		
50.000	132.187		
51.000	132.183		
52.000	132.179		
53.000	132.175		
54.000	132.171		

55,000	132.167
56,000	132.163
57,000	132.159
58,000	132.156
59,000	132.153
60,000	132.149
61,000	132.145
62,000	132.142
63,000	132.139
64,000	132.135
65,000	132.132
66,000	132.129
67,000	132.126
68,000	132.123
69,000	132.120
70,000	132.117
71,000	132.112
72,000	132.109
73,000	132.106
74,000	132.104
75,000	132.101
76,000	132.101
77,000	132.098
78,000	132.096
79,000	132.093
80,000	132.091
81,000	132.089
82,000	132.086
83,000	132.084
84,000	132.082
85,000	132.079
86,000	132.077
87,000	132.075
88,000	132.073
89,000	132.071
90,000	132.068
91,000	132.066
92,000	132.064
93,000	132.062
94,000	132.060
95,000	132.058
96,000	132.056
97,000	132.055
98,000	132.053
99,000	132.051
100,000	132.049
101,000	132.047
102,000	132.045
103,000	132.044
104,000	132.042
105,000	132.040
106,000	132.038
107,000	132.035
108,000	132.033
109,000	132.034
110,000	132.032
111,000	132.030
112,000	132.029
113,000	132.027
114,000	132.026
115,000	132.024
116,000	132.023
117,000	132.021
118,000	132.020
119,000	132.018
120,000	132.017
121,000	132.015
122,000	132.014
123,000	132.013
124,000	132.011
125,000	132.010
126,000	132.009
127,000	132.007

128.000	132.006
129.000	132.005
130.000	132.003
131.000	132.002
132.000	132.001
133.000	132.000
134.000	131.999
135.000	131.997
136.000	131.996
137.000	131.995
138.000	131.994
139.000	131.992
140.000	131.991
141.000	131.990
142.000	131.989
143.000	131.988
144.000	131.987
145.000	131.986
146.000	131.985
147.000	131.984
148.000	131.982
149.000	131.981
150.000	131.980
151.000	131.979
152.000	131.978
153.000	131.977
154.000	131.976
155.000	131.975
156.000	131.974
157.000	131.973
158.000	131.972
159.000	131.971
160.000	131.970
161.000	131.970
162.000	131.969
163.000	131.968
164.000	131.967
165.000	131.966
166.000	131.965
167.000	131.964
168.000	131.963
169.000	131.962
170.000	131.961
171.000	131.961
172.000	131.960
173.000	131.959
174.000	131.958
175.000	131.957
176.000	131.956
177.000	131.956
178.000	131.955
179.000	131.954
180.000	131.953
181.000	131.952
182.000	131.951
183.000	131.951
184.000	131.950
185.000	131.949
186.000	131.948
187.000	131.948
188.000	131.947
189.000	131.946
190.000	131.945
191.000	131.944
192.000	131.944
193.000	131.943
194.000	131.943
195.000	131.942
196.000	131.941
197.000	131.940
198.000	131.940
199.000	131.939
200.000	131.938

Name: FC25Yd			
Time (hrs)	Stage (ft)	Node: NB2130	Type: Stage
0.000	129.600		
1.000	129.601		
2.000	129.604		
3.000	129.613		
4.000	129.625		
5.001	129.640		
6.000	129.659		
7.000	129.680		
8.000	129.704		
9.000	129.732		
10.000	129.763		
11.000	129.820		
12.000	129.914		
13.000	130.247		
14.000	130.453		
15.000	130.571		
16.000	130.639		
17.000	130.677		
18.000	130.703		
19.000	130.724		
20.000	130.742		
21.000	130.757		
22.000	130.771		
23.000	130.783		
24.000	130.795		
25.000	130.801		
26.000	130.801		
27.000	130.797		
28.000	130.793		
29.000	130.788		
30.000	130.784		
31.000	130.780		
32.000	130.776		
33.000	130.772		
34.000	130.768		
35.000	130.766		
36.000	130.765		
37.000	130.764		
38.000	130.762		
39.000	130.761		
40.000	130.761		
41.000	130.762		
42.000	130.762		
43.000	130.763		
44.000	130.764		
45.000	130.764		
46.000	130.765		
47.000	130.766		
48.000	130.767		
49.000	130.768		
50.000	130.769		
51.000	130.769		
52.000	130.770		
53.000	130.771		
54.000	130.772		
55.000	130.773		
56.000	130.773		
57.000	130.774		
58.000	130.775		
59.000	130.776		
60.000	130.776		
61.000	130.777		
62.000	130.778		
63.000	130.778		
64.000	130.779		
65.000	130.780		
66.000	130.780		

67.000	130.781
68.000	130.782
69.000	130.782
70.000	130.783
71.000	130.784
72.000	130.784
73.000	130.785
74.000	130.785
75.000	130.786
76.000	130.787
77.000	130.787
78.000	130.788
79.000	130.788
80.000	130.789
81.000	130.789
82.000	130.790
83.000	130.791
84.000	130.791
85.000	130.792
86.000	130.792
87.000	130.793
88.000	130.793
89.000	130.794
90.000	130.794
91.000	130.795
92.000	130.795
93.000	130.796
94.000	130.796
95.000	130.797
96.000	130.797
97.000	130.798
98.000	130.798
99.000	130.799
100.000	130.799
101.000	130.799
102.000	130.800
103.000	130.800
104.000	130.801
105.000	130.801
106.000	130.801
107.000	130.802
108.000	130.802
109.000	130.803
110.000	130.803
111.000	130.803
112.000	130.804
113.000	130.804
114.000	130.805
115.000	130.805
116.000	130.805
117.000	130.806
118.000	130.806
119.000	130.806
120.000	130.807
121.000	130.807
122.000	130.808
123.000	130.808
124.000	130.808
125.000	130.809
126.000	130.809
127.000	130.809
128.000	130.810
129.000	130.810
130.000	130.810
131.000	130.811
132.000	130.811
133.000	130.811
134.000	130.812
135.000	130.812
136.000	130.812
137.000	130.813
138.000	130.813
139.000	130.813

140.000	130.814
141.000	130.814
142.000	130.814
143.000	130.814
144.000	130.815
145.000	130.815
146.000	130.815
147.000	130.816
148.000	130.816
149.000	130.816
150.000	130.816
151.000	130.817
152.000	130.817
153.000	130.817
154.000	130.818
155.000	130.818
156.000	130.818
157.000	130.819
158.000	130.819
159.000	130.819
160.000	130.819
161.000	130.819
162.000	130.820
163.000	130.820
164.000	130.820
165.000	130.821
166.000	130.821
167.000	130.821
168.000	130.821
169.000	130.821
170.000	130.822
171.000	130.822
172.000	130.822
173.000	130.822
174.000	130.823
175.000	130.823
176.000	130.823
177.000	130.823
178.000	130.823
179.000	130.824
180.000	130.824
181.000	130.824
182.000	130.824
183.000	130.825
184.000	130.825
185.000	130.825
186.000	130.825
187.000	130.825
188.000	130.826
189.000	130.826
190.000	130.826
191.000	130.826
192.000	130.826
193.000	130.827
194.000	130.827
195.000	130.827
196.000	130.827
197.000	130.827
198.000	130.828
199.000	130.828
200.000	130.828

Name: FCS01d			
Time (hrs)	Stage (Ft)	Node: NB043	Type: Stage
0.000	143.090		
1.000	143.090		
2.000	143.090		
3.000	143.090		
4.000	143.090		
5.001	143.090		

6,000	143.090
7,000	143.090
8,000	143.090
9,000	143.090
10,000	143.090
11,000	143.090
12,000	143.247
13,000	143.542
14,000	143.533
15,000	143.498
16,000	143.460
17,000	143.420
18,000	143.381
19,000	143.342
20,000	143.304
21,000	143.266
22,000	143.228
23,000	143.190
24,000	143.152
25,000	143.114
26,000	143.090
27,000	143.090
28,000	143.090
29,000	143.090
30,000	143.090
31,000	143.090
32,000	143.090
33,000	143.090
34,000	143.090
35,000	143.090
36,000	143.090
37,000	143.090
38,000	143.090
39,000	143.090
40,000	143.090
41,000	143.090
42,000	143.090
43,000	143.090
44,000	143.090
45,000	143.090
46,000	143.090
47,000	143.090
48,000	143.090
49,000	143.090
50,000	143.090
51,000	143.090
52,000	143.090
53,000	143.090
54,000	143.090
55,000	143.090
56,000	143.090
57,000	143.090
58,000	143.090
59,000	143.090
60,000	143.090
61,000	143.090
62,000	143.090
63,000	143.090
64,000	143.090
65,000	143.090
66,000	143.090
67,000	143.090
68,000	143.090
69,000	143.090
70,000	143.090
71,000	143.090
72,000	143.090
73,000	143.090
74,000	143.090
75,000	143.090
76,000	143.090
77,000	143.090
78,000	143.090

79,000	143.090
80,000	143.090
81,000	143.090
82,000	143.090
83,000	143.090
84,000	143.090
85,000	143.090
86,000	143.090
87,000	143.090
88,000	143.090
89,000	143.090
90,000	143.090
91,000	143.090
92,000	143.090
93,000	143.090
94,000	143.090
95,000	143.090
96,000	143.090
97,000	143.090
98,000	143.090
99,000	143.090
100,000	143.090
101,000	143.090
102,000	143.090
103,000	143.090
104,000	143.090
105,000	143.090
106,000	143.090
107,000	143.090
108,000	143.090
109,000	143.090
110,000	143.090
111,000	143.090
112,000	143.090
113,000	143.090
114,000	143.090
115,000	143.090
116,000	143.090
117,000	143.090
118,000	143.090
119,000	143.090
120,000	143.090
121,000	143.090
122,000	143.090
123,000	143.090
124,000	143.090
125,000	143.090
126,000	143.090
127,000	143.090
128,000	143.090
129,000	143.090
130,000	143.090
131,000	143.090
132,000	143.090
133,000	143.090
134,000	143.090
135,000	143.090
136,000	143.090
137,000	143.090
138,000	143.090
139,000	143.090
140,000	143.090
141,000	143.090
142,000	143.090
143,000	143.090
144,000	143.090
145,000	143.090
146,000	143.090
147,000	143.090
148,000	143.090
149,000	143.090
150,000	143.090
151,000	143.090

Time (hrs)	Stage (ft)	Node: NBU050	Type: Stage
0.000	129.420		
1.000	129.420		
2.000	129.422		
3.000	129.423		
4.000	129.438		
5.001	129.449		
6.000	129.463		
7.000	129.473		
8.000	129.495		
9.000	129.515		
10.000	129.539		
11.000	129.570		
12.000	129.628		
13.000	129.834		
14.000	129.966		
15.000	130.042		
16.000	130.085		

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17.000	130.107		
18.000	130.122		
19.000	130.132		
20.000	130.146		
21.000	130.160		
22.000	130.154		
23.000	130.154		
24.000	130.156		
25.000	130.156		
26.000	130.150		
27.000	130.143		
28.000	130.135		
29.000	130.126		
30.000	130.118		
31.000	130.111		
32.000	130.102		
33.000	130.093		
34.000	130.088		
35.000	130.081		
36.000	130.074		
37.000	130.067		
38.000	130.060		
39.000	130.054		
40.000	130.047		
41.000	130.041		
42.000	130.035		
43.000	130.029		
44.000	130.022		
45.000	130.017		
46.000	130.011		
47.000	130.006		
48.000	130.000		
49.000	129.995		
50.000	129.990		
51.000	129.984		
52.000	129.979		
53.000	129.974		
54.000	129.970		
55.000	129.965		
56.000	129.960		
57.000	129.955		
58.000	129.951		
59.000	129.946		
60.000	129.942		
61.000	129.938		
62.000	129.933		
63.000	129.929		
64.000	129.925		
65.000	129.921		
66.000	129.917		
67.000	129.913		
68.000	129.910		
69.000	129.906		
70.000	129.902		
71.000	129.898		
72.000	129.895		
73.000	129.891		
74.000	129.888		
75.000	129.884		
76.000	129.881		
77.000	129.878		
78.000	129.875		
79.000	129.871		
80.000	129.868		
81.000	129.865		
82.000	129.862		
83.000	129.859		
84.000	129.856		
85.000	129.853		
86.000	129.850		
87.000	129.847		
88.000	129.844		
89.000	129.842		

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90.000	129.839
91.000	129.836
92.000	129.834
93.000	129.831
94.000	129.828
95.000	129.826
96.000	129.823
97.000	129.821
98.000	129.818
99.000	129.816
100.000	129.814
101.000	129.811
102.000	129.809
103.000	129.807
104.000	129.804
105.000	129.802
106.000	129.800
107.000	129.798
108.000	129.795
109.000	129.793
110.000	129.791
111.000	129.789
112.000	129.787
113.000	129.785
114.000	129.783
115.000	129.781
116.000	129.779
117.000	129.777
118.000	129.775
119.000	129.772
120.000	129.770
121.000	129.768
122.000	129.766
123.000	129.764
124.000	129.763
125.000	129.763
126.000	129.761
127.000	129.759
128.000	129.757
129.000	129.756
130.000	129.752
131.000	129.751
132.000	129.749
133.000	129.748
134.000	129.746
135.000	129.744
136.000	129.744
137.000	129.743
138.000	129.741
139.000	129.740
140.000	129.738
141.000	129.736
142.000	129.735
143.000	129.734
144.000	129.733
145.000	129.731
146.000	129.730
147.000	129.728
148.000	129.727
149.000	129.726
150.000	129.724
151.000	129.723
152.000	129.722
153.000	129.720
154.000	129.719
155.000	129.718
156.000	129.716
157.000	129.715
158.000	129.714
159.000	129.713
160.000	129.711
161.000	129.710
162.000	129.709

163.000	129.708
164.000	129.707
165.000	129.706
166.000	129.704
167.000	129.702
168.000	129.702
169.000	129.701
170.000	129.700
171.000	129.699
172.000	129.699
173.000	129.697
174.000	129.696
175.000	129.694
176.000	129.693
177.000	129.692
178.000	129.691
179.000	129.690
180.000	129.689
181.000	129.688
182.000	129.687
183.000	129.686
184.000	129.685
185.000	129.684
186.000	129.683
187.000	129.682
188.000	129.681
189.000	129.681
190.000	129.680
191.000	129.679
192.000	129.678
193.000	129.677
194.000	129.676
195.000	129.675
196.000	129.674
197.000	129.673
198.000	129.672
199.000	129.672
200.000	129.671
200.000	129.671

Name: PCS0y1d	Node: NB0102	Type: Stage
Time (hrs)	Stage (ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.001	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.214	
13.000	139.864	
14.000	139.200	
15.000	139.200	
16.000	139.200	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.000	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	

28.000	139.200
29.000	139.200
30.000	139.200
31.000	139.200
32.000	139.200
33.000	139.200
34.000	139.200
35.000	139.200
36.000	139.200
37.000	139.200
38.000	139.200
39.000	139.200
40.000	139.200
41.000	139.200
42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.200
61.000	139.200
62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200
77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200

101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200

174.000	139.200		
175.000	139.200		
176.000	139.200		
177.000	139.200		
178.000	139.200		
179.000	139.200		
180.000	139.200		
181.000	139.200		
182.000	139.200		
183.000	139.200		
184.000	139.200		
185.000	139.200		
186.000	139.200		
187.000	139.200		
188.000	139.200		
189.000	139.200		
190.000	139.200		
191.000	139.200		
192.000	139.200		
193.000	139.200		
194.000	139.200		
195.000	139.200		
196.000	139.200		
197.000	139.200		
198.000	139.200		
199.000	139.200		
200.000	139.200		

Name: P50y3d Node: NB212 Type: Stage

Time (hrs)	Stage (ft)		
0.000	130.100		
1.000	130.100		
2.000	130.102		
3.000	130.106		
4.000	130.112		
5.000	130.119		
6.000	130.126		
7.000	130.134		
8.000	130.146		
9.000	130.159		
10.000	130.233		
11.000	130.288		
12.000	130.399		
13.000	130.740		
14.000	130.941		
15.000	131.062		
16.000	131.140		
17.000	131.182		
18.000	131.198		
19.000	131.272		
20.000	131.297		
21.000	131.315		
22.000	131.324		
23.000	131.331		
24.000	131.334		
25.000	131.332		
26.000	131.324		
27.000	131.315		
28.000	131.305		
29.000	131.292		
30.000	131.288		
31.000	131.281		
32.000	131.273		
33.000	131.266		
34.000	131.260		
35.000	131.254		
36.000	131.248		
37.000	131.242		
38.000	131.236		

39.000	131.231		
40.000	131.226		
41.000	131.221		
42.000	131.217		
43.000	131.212		
44.000	131.208		
45.000	131.204		
46.000	131.200		
47.000	131.196		
48.000	131.193		
49.000	131.189		
50.000	131.185		
51.000	131.182		
52.000	131.179		
53.000	131.176		
54.000	131.172		
55.000	131.168		
56.000	131.166		
57.000	131.163		
58.000	131.161		
59.000	131.158		
60.000	131.155		
61.000	131.152		
62.000	131.150		
63.000	131.147		
64.000	131.145		
65.000	131.142		
66.000	131.140		
67.000	131.138		
68.000	131.135		
69.000	131.133		
70.000	131.131		
71.000	131.128		
72.000	131.126		
73.000	131.124		
74.000	131.122		
75.000	131.120		
76.000	131.118		
77.000	131.116		
78.000	131.114		
79.000	131.112		
80.000	131.110		
81.000	131.108		
82.000	131.106		
83.000	131.104		
84.000	131.102		
85.000	131.101		
86.000	131.099		
87.000	131.097		
88.000	131.095		
89.000	131.094		
90.000	131.092		
91.000	131.090		
92.000	131.088		
93.000	131.087		
94.000	131.085		
95.000	131.084		
96.000	131.082		
97.000	131.080		
98.000	131.079		
99.000	131.077		
100.000	131.076		
101.000	131.074		
102.000	131.073		
103.000	131.071		
104.000	131.070		
105.000	131.068		
106.000	131.067		
107.000	131.065		
108.000	131.064		
109.000	131.062		
110.000	131.061		
111.000	131.059		

112.000	131.058
113.000	131.057
114.000	131.055
115.000	131.054
116.000	131.053
117.000	131.051
118.000	131.050
119.000	131.049
120.000	131.047
121.000	131.046
122.000	131.045
123.000	131.044
124.000	131.042
125.000	131.041
126.000	131.040
127.000	131.039
128.000	131.037
129.000	131.036
130.000	131.035
131.000	131.034
132.000	131.033
133.000	131.032
134.000	131.030
135.000	131.029
136.000	131.028
137.000	131.027
138.000	131.026
139.000	131.025
140.000	131.023
141.000	131.023
142.000	131.022
143.000	131.021
144.000	131.020
145.000	131.019
146.000	131.018
147.000	131.017
148.000	131.016
149.000	131.015
150.000	131.014
151.000	131.012
152.000	131.012
153.000	131.011
154.000	131.010
155.000	131.009
156.000	131.008
157.000	131.007
158.000	131.006
159.000	131.005
160.000	131.004
161.000	131.004
162.000	131.003
163.000	131.002
164.000	131.001
165.000	131.000
166.000	130.999
167.000	130.998
168.000	130.998
169.000	130.997
170.000	130.996
171.000	130.995
172.000	130.994
173.000	130.994
174.000	130.993
175.000	130.992
176.000	130.991
177.000	130.990
178.000	130.989
179.000	130.989
180.000	130.988
181.000	130.987
182.000	130.987
183.000	130.986
184.000	130.985

185.000	130.985
186.000	130.984
187.000	130.983
188.000	130.982
189.000	130.982
190.000	130.981
191.000	130.980
192.000	130.980
193.000	130.979
194.000	130.978
195.000	130.978
196.000	130.977
197.000	130.976
198.000	130.976
199.000	130.975
200.000	130.974
201.000	130.974

Time (hrs)	Stage (ft)	Node: NB214	Type: Stage
0.000	131.710		
1.000	131.710		
2.000	131.710		
3.000	131.710		
4.000	131.710		
5.000	131.710		
6.000	131.753		
7.000	131.773		
8.000	131.797		
9.000	131.827		
10.000	131.868		
11.000	131.911		
12.000	132.266		
13.000	132.337		
14.000	132.364		
15.000	132.382		
16.000	132.401		
17.000	132.406		
18.000	132.410		
19.000	132.412		
20.000	132.413		
21.000	132.413		
22.000	132.413		
23.000	132.413		
24.000	132.413		
25.000	132.406		
26.000	132.396		
27.000	132.382		
28.000	132.376		
29.000	132.377		
30.000	132.357		
31.000	132.348		
32.000	132.340		
33.000	132.332		
34.000	132.324		
35.000	132.316		
36.000	132.308		
37.000	132.301		
38.000	132.294		
39.000	132.287		
40.000	132.279		
41.000	132.270		
42.000	132.261		
43.000	132.261		
44.000	132.255		
45.000	132.250		
46.000	132.244		
47.000	132.238		
48.000	132.233		
49.000	132.228		

50.000	132.223
51.000	132.218
52.000	132.213
53.000	132.208
54.000	132.203
55.000	132.199
56.000	132.194
57.000	132.190
58.000	132.186
59.000	132.182
60.000	132.178
61.000	132.174
62.000	132.170
63.000	132.166
64.000	132.162
65.000	132.158
66.000	132.154
67.000	132.151
68.000	132.148
69.000	132.144
70.000	132.141
71.000	132.138
72.000	132.135
73.000	132.132
74.000	132.128
75.000	132.125
76.000	132.122
77.000	132.119
78.000	132.117
79.000	132.114
80.000	132.111
81.000	132.108
82.000	132.106
83.000	132.103
84.000	132.100
85.000	132.098
86.000	132.095
87.000	132.093
88.000	132.090
89.000	132.088
90.000	132.086
91.000	132.083
92.000	132.081
93.000	132.079
94.000	132.076
95.000	132.074
96.000	132.072
97.000	132.070
98.000	132.068
99.000	132.066
100.000	132.064
101.000	132.062
102.000	132.060
103.000	132.058
104.000	132.056
105.000	132.054
106.000	132.052
107.000	132.050
108.000	132.049
109.000	132.047
110.000	132.045
111.000	132.043
112.000	132.041
113.000	132.039
114.000	132.038
115.000	132.036
116.000	132.035
117.000	132.033
118.000	132.031
119.000	132.030
120.000	132.028
121.000	132.027
122.000	132.025

123.000	132.024
124.000	132.022
125.000	132.021
126.000	132.019
127.000	132.018
128.000	132.016
129.000	132.015
130.000	132.014
131.000	132.012
132.000	132.011
133.000	132.010
134.000	132.008
135.000	132.007
136.000	132.006
137.000	132.004
138.000	132.003
139.000	132.001
140.000	131.999
141.000	131.999
142.000	131.998
143.000	131.997
144.000	131.996
145.000	131.994
146.000	131.993
147.000	131.992
148.000	131.991
149.000	131.990
150.000	131.988
151.000	131.987
152.000	131.987
153.000	131.985
154.000	131.984
155.000	131.983
156.000	131.982
157.000	131.981
158.000	131.980
159.000	131.979
160.000	131.978
161.000	131.977
162.000	131.976
163.000	131.975
164.000	131.974
165.000	131.973
166.000	131.972
167.000	131.972
168.000	131.971
169.000	131.970
170.000	131.969
171.000	131.968
172.000	131.967
173.000	131.967
174.000	131.966
175.000	131.965
176.000	131.964
177.000	131.963
178.000	131.962
179.000	131.961
180.000	131.960
181.000	131.959
182.000	131.958
183.000	131.957
184.000	131.956
185.000	131.955
186.000	131.954
187.000	131.953
188.000	131.953
189.000	131.952
190.000	131.951
191.000	131.951
192.000	131.950
193.000	131.949
194.000	131.948
195.000	131.947

Proposed Pease Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

196.000	131.947
197.000	131.946
198.000	131.945
199.000	131.944
200.000	131.944
200.000	131.944

Time (hrs)	Stage (Ft)	Node: NB2130	Type: Stage
0.000	129.600		
1.000	129.601		
2.000	129.602		
3.000	129.616		
4.000	129.618		
5.001	129.648		
6.000	129.670		
7.000	129.694		
8.000	129.722		
9.000	129.756		
10.000	129.800		
11.000	129.857		
12.000	129.965		
13.000	130.345		
14.000	130.580		
15.000	130.714		
16.000	130.748		
17.000	130.834		
18.000	130.865		
19.000	130.890		
20.000	130.912		
21.000	130.931		
22.000	130.948		
23.000	130.964		
24.000	130.978		
25.000	130.987		
26.000	130.987		
27.000	130.984		
28.000	130.981		
29.000	130.975		
30.000	130.971		
31.000	130.967		
32.000	130.964		
33.000	130.961		
34.000	130.958		
35.000	130.955		
36.000	130.953		
37.000	130.951		
38.000	130.950		
39.000	130.949		
40.000	130.948		
41.000	130.949		
42.000	130.949		
43.000	130.950		
44.000	130.951		
45.000	130.952		
46.000	130.952		
47.000	130.953		
48.000	130.954		
49.000	130.955		
50.000	130.956		
51.000	130.957		
52.000	130.958		
53.000	130.959		
54.000	130.960		
55.000	130.960		
56.000	130.961		
57.000	130.962		
58.000	130.963		
59.000	130.963		
60.000	130.963		

Deberry Engineers, Inc.  
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Proposed Pease Creek Model (Basins 1-4)  
 CR 557 Widening  
 Complete Input Report

61.000	130.964
62.000	130.965
63.000	130.965
64.000	130.966
65.000	130.967
66.000	130.968
67.000	130.969
68.000	130.969
69.000	130.970
70.000	130.970
71.000	130.970
72.000	130.971
73.000	130.972
74.000	130.972
75.000	130.973
76.000	130.973
77.000	130.974
78.000	130.975
79.000	130.976
80.000	130.976
81.000	130.976
82.000	130.977
83.000	130.977
84.000	130.978
85.000	130.978
86.000	130.979
87.000	130.979
88.000	130.980
89.000	130.980
90.000	130.981
91.000	130.981
92.000	130.982
93.000	130.982
94.000	130.983
95.000	130.983
96.000	130.984
97.000	130.984
98.000	130.985
99.000	130.985
100.000	130.986
101.000	130.986
102.000	130.986
103.000	130.987
104.000	130.987
105.000	130.988
106.000	130.988
107.000	130.988
108.000	130.989
109.000	130.989
110.000	130.990
111.000	130.990
112.000	130.991
113.000	130.991
114.000	130.991
115.000	130.991
116.000	130.992
117.000	130.992
118.000	130.993
119.000	130.993
120.000	130.993
121.000	130.994
122.000	130.994
123.000	130.994
124.000	130.995
125.000	130.995
126.000	130.995
127.000	130.996
128.000	130.996
129.000	130.996
130.000	130.997
131.000	130.997
132.000	130.997
133.000	130.998

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134.000	130.998		
135.000	130.998		
136.000	130.999		
137.000	130.999		
138.000	131.000		
139.000	131.000		
140.000	131.000		
141.000	131.000		
142.000	131.000		
143.000	131.001		
144.000	131.001		
145.000	131.001		
146.000	131.002		
147.000	131.002		
148.000	131.002		
149.000	131.002		
150.000	131.003		
151.000	131.003		
152.000	131.003		
153.000	131.004		
154.000	131.004		
155.000	131.004		
156.000	131.004		
157.000	131.005		
158.000	131.005		
159.000	131.005		
160.000	131.005		
161.000	131.006		
162.000	131.006		
163.000	131.006		
164.000	131.006		
165.000	131.007		
166.000	131.007		
167.000	131.007		
168.000	131.007		
169.000	131.008		
170.000	131.008		
171.000	131.008		
172.000	131.008		
173.000	131.008		
174.000	131.009		
175.000	131.009		
176.000	131.009		
177.000	131.009		
178.000	131.010		
179.000	131.010		
180.000	131.010		
181.000	131.010		
182.000	131.010		
183.000	131.011		
184.000	131.011		
185.000	131.011		
186.000	131.011		
187.000	131.011		
188.000	131.012		
189.000	131.012		
190.000	131.012		
191.000	131.012		
192.000	131.012		
193.000	131.013		
194.000	131.013		
195.000	131.013		
196.000	131.013		
197.000	131.012		
198.000	131.014		
199.000	131.014		
200.000	131.014		

Name: PCl00Y5d Node: NB0043

Time (hrs) Stage (ft) Type: Stage

Deberry Engineers, Inc.  
 01/23/2023

0.000	143.090		
1.000	143.090		
2.000	143.090		
3.000	143.090		
4.000	143.090		
5.001	143.090		
6.000	143.090		
7.000	143.090		
8.000	143.090		
9.000	143.090		
10.000	143.090		
11.000	143.090		
12.000	143.090		
13.000	143.090		
14.001	143.090		
15.000	143.090		
16.000	143.090		
17.000	143.090		
18.000	143.090		
19.000	143.090		
20.000	143.090		
21.000	143.090		
22.000	143.090		
23.000	143.090		
24.001	143.090		
25.000	143.090		
26.000	143.090		
27.000	143.090		
28.000	143.090		
29.000	143.090		
30.000	143.090		
31.000	143.090		
32.000	143.090		
33.000	143.090		
34.001	143.090		
35.000	143.090		
36.000	143.090		
37.001	143.090		
38.000	143.090		
39.000	143.090		
40.000	143.090		
41.000	143.090		
42.000	143.090		
43.000	143.090		
44.000	143.090		
45.000	143.090		
46.000	143.090		
47.000	143.090		
48.000	143.090		
49.000	143.090		
50.000	143.090		
51.000	143.090		
52.000	143.090		
53.000	143.090		
54.000	143.090		
55.000	143.090		
56.000	143.103		
57.000	143.132		
58.000	143.193		
59.000	143.308		
60.000	143.528		
61.000	143.798		
62.000	143.791		
63.000	143.813		
64.000	143.823		
65.000	143.820		
66.000	143.809		
67.000	143.794		
68.000	143.772		
69.000	143.744		
70.000	143.715		
71.000	143.715		

Name: PCl00Y5d Node: NB0043

Time (hrs) Stage (ft) Type: Stage

Deberry Engineers, Inc.  
 01/23/2023

72.000	143.686
73.000	143.663
74.000	143.646
75.000	143.632
76.000	143.620
77.000	143.605
78.000	143.592
79.000	143.580
80.000	143.568
81.000	143.557
82.000	143.546
83.000	143.534
84.000	143.525
85.000	143.515
86.000	143.506
87.000	143.496
88.000	143.488
89.000	143.479
90.000	143.471
91.000	143.463
92.000	143.456
93.000	143.448
94.000	143.441
95.000	143.434
96.000	143.426
97.000	143.419
98.000	143.386
99.000	143.382
100.000	143.382
101.000	143.317
102.000	143.297
103.000	143.276
104.000	143.255
105.000	143.234
106.000	143.213
107.000	143.195
108.000	143.176
109.000	143.156
110.000	143.135
111.000	143.114
112.000	143.093
113.000	143.090
114.000	143.090
115.000	143.090
116.000	143.090
117.000	143.090
118.000	143.090
119.000	143.090
120.000	143.090
121.000	143.090
122.000	143.090
123.000	143.090
124.000	143.090
125.000	143.090
126.000	143.090
127.000	143.090
128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090

145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090
201.000	143.090
202.000	143.090
203.000	143.090
204.000	143.090
205.000	143.090
206.000	143.090
207.000	143.090
208.000	143.090
209.000	143.090
210.000	143.090
211.000	143.090
212.000	143.090
213.000	143.090
214.000	143.090
215.000	143.090
216.000	143.090
217.000	143.090



218.000	143.090
219.000	143.090
220.000	143.090
221.000	143.090
222.000	143.090
223.000	143.090
224.000	143.090
225.000	143.090
226.000	143.090
227.000	143.090
228.000	143.090
229.000	143.090
230.000	143.090
231.000	143.090
232.000	143.090
233.000	143.090
234.000	143.090
235.000	143.090
236.000	143.090
237.000	143.090
238.000	143.090
239.000	143.090
240.000	143.090
241.000	143.090
242.000	143.090
243.000	143.090
244.000	143.090
245.000	143.090
246.000	143.090
247.000	143.090
248.000	143.090
249.000	143.090
250.000	143.090
251.000	143.090
252.000	143.090
253.000	143.090
254.000	143.090
255.000	143.090
256.000	143.090
257.000	143.090
258.000	143.090
259.000	143.090
260.000	143.090
261.000	143.090
262.000	143.090
263.000	143.090
264.000	143.090
265.000	143.090
266.000	143.090
267.000	143.090
268.000	143.090
269.000	143.090
270.000	143.090
271.000	143.090
272.000	143.090
273.000	143.090
274.000	143.090
275.000	143.090
276.000	143.090
277.000	143.090
278.000	143.090
279.000	143.090
280.000	143.090
281.000	143.090
282.000	143.090
283.000	143.090
284.000	143.090
285.000	143.090
286.000	143.090
287.000	143.090
288.000	143.090
289.000	143.090
290.000	143.090

291.000	143.090
292.000	143.090
293.000	143.090
294.000	143.090
295.000	143.090
296.000	143.090
297.000	143.090
298.000	143.090
299.000	143.090
300.000	143.090

Name: FCI0Y5d	Node: NB0050	Type: Stage
Time (hrs)	Stage (ft)	
1.000	129.420	
2.000	129.420	
3.000	129.421	
4.000	129.424	
5.001	129.428	
6.000	129.432	
7.000	129.436	
8.000	129.441	
9.000	129.446	
10.000	129.450	
11.000	129.452	
12.000	129.455	
13.000	129.465	
14.001	129.470	
15.001	129.474	
16.000	129.479	
17.000	129.484	
18.000	129.489	
19.000	129.494	
20.000	129.499	
21.000	129.504	
22.000	129.509	
23.000	129.514	
24.000	129.518	
25.000	129.526	
26.000	129.538	
27.000	129.552	
28.000	129.567	
29.000	129.582	
30.000	129.596	
31.000	129.612	
32.000	129.626	
33.000	129.641	
34.001	129.655	
35.000	129.669	
36.000	129.684	
37.001	129.698	
38.000	129.712	
39.000	129.726	
40.000	129.740	
41.000	129.753	
42.000	129.767	
43.000	129.780	
44.000	129.793	
45.000	129.806	
46.000	129.819	
47.000	129.831	
48.000	129.844	
49.000	129.857	
50.000	129.870	
51.000	129.883	
52.000	129.896	
53.000	129.909	
54.000	129.922	
55.000	129.935	
56.000	129.948	

57.000	129.934
58.000	129.973
59.000	130.035
60.000	130.131
61.000	130.243
62.000	130.445
63.000	130.532
64.000	130.583
65.000	130.612
66.000	130.628
67.000	130.636
68.000	130.640
69.000	130.639
70.000	130.633
71.000	130.624
72.000	130.614
73.000	130.603
74.000	130.595
75.000	130.588
76.000	130.583
77.000	130.578
78.000	130.573
79.000	130.568
80.000	130.563
81.000	130.558
82.000	130.553
83.000	130.548
84.000	130.543
85.000	130.538
86.000	130.534
87.000	130.529
88.000	130.525
89.000	130.520
90.000	130.516
91.000	130.512
92.000	130.507
93.000	130.503
94.000	130.499
95.000	130.495
96.000	130.492
97.000	130.488
98.000	130.476
99.000	130.466
100.000	130.454
101.000	130.442
102.000	130.430
103.000	130.419
104.000	130.407
105.000	130.396
106.000	130.384
107.000	130.373
108.000	130.362
109.000	130.352
110.000	130.340
111.000	130.329
112.000	130.318
113.000	130.307
114.000	130.297
115.000	130.287
116.000	130.277
117.000	130.268
118.000	130.258
119.000	130.249
120.000	130.240
121.000	130.231
122.000	130.222
123.000	130.213
124.000	130.204
125.000	130.195
126.000	130.186
127.000	130.177
128.000	130.169
129.000	130.161

130.000	130.153
131.000	130.146
132.000	130.138
133.000	130.131
134.000	130.124
135.000	130.117
136.000	130.110
137.000	130.103
138.000	130.097
139.000	130.091
140.000	130.085
141.000	130.078
142.000	130.073
143.000	130.067
144.000	130.061
145.000	130.056
146.000	130.050
147.000	130.045
148.000	130.040
149.000	130.035
150.000	130.030
151.000	130.025
152.000	130.020
153.000	130.016
154.000	130.011
155.000	130.007
156.000	130.002
157.000	129.996
158.000	129.990
159.000	129.984
160.000	129.978
161.000	129.972
162.000	129.966
163.000	129.960
164.000	129.954
165.000	129.948
166.000	129.942
167.000	129.936
168.000	129.930
169.000	129.924
170.000	129.918
171.000	129.912
172.000	129.906
173.000	129.900
174.000	129.894
175.000	129.888
176.000	129.882
177.000	129.876
178.000	129.870
179.000	129.864
180.000	129.858
181.000	129.852
182.000	129.846
183.000	129.840
184.000	129.834
185.000	129.828
186.000	129.822
187.000	129.816
188.000	129.810
189.000	129.804
190.000	129.798
191.000	129.792
192.000	129.786
193.000	129.780
194.000	129.774
195.000	129.768
196.000	129.762
197.000	129.756
198.000	129.750
199.000	129.744
200.000	129.738
201.000	129.732
202.000	129.726

203.000	129.866
204.000	129.864
205.000	129.862
206.000	129.860
207.000	129.858
208.000	129.857
209.000	129.855
210.000	129.852
211.000	129.850
212.000	129.848
213.000	129.846
214.000	129.844
215.000	129.843
216.000	129.842
217.000	129.840
218.000	129.839
219.000	129.837
220.000	129.836
221.000	129.834
222.000	129.833
223.000	129.831
224.000	129.830
225.000	129.828
226.000	129.827
227.000	129.826
228.000	129.824
229.000	129.822
230.000	129.822
231.000	129.820
232.000	129.819
233.000	129.818
234.000	129.817
235.000	129.815
236.000	129.814
237.000	129.813
238.000	129.812
239.000	129.811
240.000	129.810
241.000	129.809
242.000	129.808
243.000	129.806
244.000	129.806
245.000	129.804
246.000	129.803
247.000	129.802
248.000	129.801
249.000	129.801
250.000	129.800
251.000	129.799
252.000	129.798
253.000	129.797
254.000	129.795
255.000	129.795
256.000	129.794
257.000	129.793
258.000	129.792
259.000	129.791
260.000	129.791
261.000	129.789
262.000	129.789
263.000	129.788
264.000	129.787
265.000	129.786
266.000	129.785
267.000	129.784
268.000	129.783
269.000	129.783
270.000	129.782
271.000	129.781
272.000	129.780
273.000	129.779
274.000	129.779
275.000	129.778

276.000	129.777
277.000	129.776
278.000	129.776
279.000	129.775
280.000	129.774
281.000	129.774
282.000	129.773
283.000	129.772
284.000	129.772
285.000	129.771
286.000	129.770
287.000	129.770
288.000	129.769
289.000	129.768
290.000	129.768
291.000	129.767
292.000	129.766
293.000	129.766
294.000	129.765
295.000	129.764
296.000	129.764
297.000	129.763
298.000	129.763
299.000	129.762
300.000	129.762

Name: FCI005d	Node: NB010Z	Type: Stage
Time (hrs)	Stage (ft)	
0.000	139.200	
1.000	139.200	
2.000	139.200	
3.000	139.200	
4.000	139.200	
5.001	139.200	
6.000	139.200	
7.000	139.200	
8.000	139.200	
9.000	139.200	
10.000	139.200	
11.000	139.200	
12.000	139.200	
13.000	139.200	
14.001	139.200	
15.001	139.200	
16.000	139.200	
17.000	139.200	
18.000	139.200	
19.000	139.200	
20.000	139.200	
21.000	139.200	
22.000	139.200	
23.000	139.200	
24.001	139.200	
25.000	139.200	
26.000	139.200	
27.000	139.200	
28.000	139.200	
29.000	139.200	
30.000	139.200	
31.000	139.200	
32.000	139.200	
33.000	139.200	
34.001	139.200	
35.000	139.200	
36.000	139.200	
37.001	139.200	
38.000	139.200	
39.000	139.200	
40.000	139.200	
41.000	139.200	

42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.899
60.000	139.899
61.000	140.590
62.000	140.813
63.000	140.885
64.000	140.899
65.000	140.887
66.000	140.859
67.000	140.820
68.000	140.773
69.000	140.714
70.000	140.648
71.000	140.554
72.000	140.455
73.000	140.348
74.000	140.230
75.000	140.097
76.000	139.968
77.000	139.841
78.000	139.716
79.000	139.592
80.000	139.469
81.000	139.345
82.000	139.220
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200

115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200
150.000	139.200
151.000	139.200
152.000	139.200
153.000	139.200
154.000	139.200
155.000	139.200
156.000	139.200
157.000	139.200
158.000	139.200
159.000	139.200
160.000	139.200
161.000	139.200
162.000	139.200
163.000	139.200
164.000	139.200
165.000	139.200
166.000	139.200
167.000	139.200
168.000	139.200
169.000	139.200
170.000	139.200
171.000	139.200
172.000	139.200
173.000	139.200
174.000	139.200
175.000	139.200
176.000	139.200
177.000	139.200
178.000	139.200
179.000	139.200
180.000	139.200
181.000	139.200
182.000	139.200
183.000	139.200
184.000	139.200
185.000	139.200
186.000	139.200
187.000	139.200

188,000	139,200
189,000	139,200
190,000	139,200
191,000	139,200
192,000	139,200
193,000	139,200
194,000	139,200
195,000	139,200
196,000	139,200
197,000	139,200
198,000	139,200
199,000	139,200
200,000	139,200
201,000	139,200
202,000	139,200
203,000	139,200
204,000	139,200
205,000	139,200
206,000	139,200
207,000	139,200
208,000	139,200
209,000	139,200
210,000	139,200
211,000	139,200
212,000	139,200
213,000	139,200
214,000	139,200
215,000	139,200
216,000	139,200
217,000	139,200
218,000	139,200
219,000	139,200
220,000	139,200
221,000	139,200
222,000	139,200
223,000	139,200
224,000	139,200
225,000	139,200
226,000	139,200
227,000	139,200
228,000	139,200
229,000	139,200
230,000	139,200
231,000	139,200
232,000	139,200
233,000	139,200
234,000	139,200
235,000	139,200
236,000	139,200
237,000	139,200
238,000	139,200
239,000	139,200
240,000	139,200
241,000	139,200
242,000	139,200
243,000	139,200
244,000	139,200
245,000	139,200
246,000	139,200
247,000	139,200
248,000	139,200
249,000	139,200
250,000	139,200
251,000	139,200
252,000	139,200
253,000	139,200
254,000	139,200
255,000	139,200
256,000	139,200
257,000	139,200
258,000	139,200
259,000	139,200
260,000	139,200

261,000	139,200
262,000	139,200
263,000	139,200
264,000	139,200
265,000	139,200
266,000	139,200
267,000	139,200
268,000	139,200
269,000	139,200
270,000	139,200
271,000	139,200
272,000	139,200
273,000	139,200
274,000	139,200
275,000	139,200
276,000	139,200
277,000	139,200
278,000	139,200
279,000	139,200
280,000	139,200
281,000	139,200
282,000	139,200
283,000	139,200
284,000	139,200
285,000	139,200
286,000	139,200
287,000	139,200
288,000	139,200
289,000	139,200
290,000	139,200
291,000	139,200
292,000	139,200
293,000	139,200
294,000	139,200
295,000	139,200
296,000	139,200
297,000	139,200
298,000	139,200
299,000	139,200
300,000	139,200

Name: PCL00Y5d Node: NB2112 Type: Stage

Time (hrs)	Stage (ft)
0.000	130.100
1.000	130.100
2.000	130.100
3.000	130.101
4.000	130.102
5.000	130.102
6.000	130.110
7.000	130.112
8.000	130.112
9.000	130.115
10.000	130.118
11.000	130.123
12.000	130.128
13.000	130.133
14.001	130.139
15.001	130.145
16.000	130.151
17.000	130.156
18.000	130.162
19.000	130.174
20.000	130.182
21.000	130.191
22.000	130.200
23.000	130.209
24.001	130.219
25.000	130.232
26.000	130.251

27.000	130.274
28.000	130.297
29.000	130.320
30.000	130.345
31.000	130.369
32.000	130.389
33.000	130.412
34.000	130.435
35.000	130.459
36.000	130.483
37.000	130.506
38.000	130.530
39.000	130.555
40.000	130.579
41.000	130.603
42.000	130.628
43.000	130.652
44.000	130.677
45.000	130.702
46.000	130.727
47.000	130.752
48.000	130.778
49.000	130.798
50.000	130.810
51.000	130.820
52.000	130.832
53.000	130.849
54.000	130.872
55.000	130.892
56.000	130.940
57.000	130.992
58.000	131.067
59.000	131.188
60.000	131.405
61.000	131.635
62.000	131.763
63.000	131.807
64.000	131.804
65.000	131.787
66.000	131.762
67.000	131.732
68.000	131.739
69.000	131.722
70.000	131.702
71.000	131.679
72.000	131.655
73.000	131.634
74.000	131.618
75.000	131.605
76.000	131.594
77.000	131.582
78.000	131.576
79.000	131.569
80.000	131.562
81.000	131.555
82.000	131.550
83.000	131.545
84.000	131.540
85.000	131.536
86.000	131.533
87.000	131.530
88.000	131.527
89.000	131.525
90.000	131.521
91.000	131.521
92.000	131.520
93.000	131.519
94.000	131.518
95.000	131.517
96.000	131.516
97.000	131.512
98.000	131.503
99.000	131.492

100.000	131.481
101.000	131.470
102.000	131.459
103.000	131.450
104.000	131.440
105.000	131.431
106.000	131.423
107.000	131.415
108.000	131.408
109.000	131.401
110.000	131.395
111.000	131.389
112.000	131.383
113.000	131.378
114.000	131.374
115.000	131.369
116.000	131.360
117.000	131.357
118.000	131.354
119.000	131.354
120.000	131.352
121.000	131.351
122.000	131.351
123.000	131.351
124.000	131.406
125.000	131.437
126.000	131.473
127.000	131.515
128.000	131.560
129.000	131.660
130.000	131.711
131.000	131.764
132.000	131.817
133.000	131.866
134.000	131.908
135.000	131.948
136.000	131.985
137.000	132.020
138.000	132.054
139.000	132.085
140.000	132.115
141.000	132.146
142.000	132.176
143.000	132.206
144.000	132.236
145.000	132.266
146.000	132.296
147.000	132.326
148.000	132.356
149.000	132.386
150.000	132.416
151.000	132.446
152.000	132.476
153.000	132.506
154.000	132.536
155.000	132.566
156.000	132.596
157.000	132.626
158.000	132.656
159.000	132.686
160.000	132.716
161.000	132.746
162.000	132.776
163.000	132.806
164.000	132.836
165.000	132.866
166.000	132.896
167.000	132.926
168.000	132.956
169.000	132.986
170.000	133.016
171.000	133.046
172.000	133.076

173.000	132.409
174.000	132.384
175.000	132.359
176.000	132.334
177.000	132.309
178.000	132.284
179.000	132.259
180.000	132.234
181.000	132.209
182.000	132.179
183.000	132.155
184.000	132.130
185.000	132.105
186.000	132.080
187.000	132.055
188.000	132.030
190.000	131.980
191.000	131.955
192.000	131.930
193.000	131.906
194.000	131.881
195.000	131.855
196.000	131.830
197.000	131.804
198.000	131.777
199.000	131.751
200.000	131.725
202.000	131.672
203.000	131.648
204.000	131.623
205.000	131.599
206.000	131.575
207.000	131.553
208.000	131.531
209.000	131.510
210.000	131.490
211.000	131.472
212.000	131.456
213.000	131.440
214.000	131.427
215.000	131.414
216.000	131.403
217.000	131.393
218.000	131.383
219.000	131.375
220.000	131.367
221.000	131.359
222.000	131.352
223.000	131.346
224.000	131.340
225.000	131.334
226.000	131.330
227.000	131.325
228.000	131.320
229.000	131.316
230.000	131.312
231.000	131.309
232.000	131.305
233.000	131.302
234.000	131.299
235.000	131.296
236.000	131.293
237.000	131.290
238.000	131.288
239.000	131.286
240.000	131.283
241.000	131.281
242.000	131.279
243.000	131.277
244.000	131.275
245.000	131.274

246.000	131.272
247.000	131.270
248.000	131.269
249.000	131.267
250.000	131.266
251.000	131.266
252.000	131.263
253.000	131.262
254.000	131.261
255.000	131.259
256.000	131.258
257.000	131.257
258.000	131.256
259.000	131.255
260.000	131.254
261.000	131.253
262.000	131.251
263.000	131.250
264.000	131.250
265.000	131.250
266.000	131.249
267.000	131.248
268.000	131.247
269.000	131.246
270.000	131.246
271.000	131.245
272.000	131.244
273.000	131.244
274.000	131.243
275.000	131.242
276.000	131.241
277.000	131.241
278.000	131.240
279.000	131.239
280.000	131.239
281.000	131.238
282.000	131.237
283.000	131.237
284.000	131.236
285.000	131.236
286.000	131.235
287.000	131.235
288.000	131.234
289.000	131.233
290.000	131.233
291.000	131.232
292.000	131.232
293.000	131.231
294.000	131.231
295.000	131.230
296.000	131.230
297.000	131.229
298.000	131.228
299.000	131.228
300.000	131.228

Name: PCl00y5d	Node: NB2124	Type: Stage
Time (hrs)	Stage (ft)	
0.000	131.710	
1.000	131.710	
2.000	131.710	
3.000	131.710	
4.000	131.710	
5.001	131.710	
6.000	131.710	
7.000	131.710	
8.000	131.710	
9.000	131.711	
10.000	131.715	
11.000	131.720	

12.000	131.726
13.000	131.731
14.001	131.736
15.001	131.740
16.000	131.744
17.000	131.751
18.000	131.756
19.000	131.762
20.000	131.767
21.000	131.772
22.000	131.777
23.000	131.783
24.001	131.788
25.000	131.799
26.000	131.815
27.000	131.831
28.000	131.847
29.000	131.862
30.000	131.878
31.000	131.894
32.000	131.910
33.000	131.925
34.001	131.940
35.000	131.956
36.000	131.971
37.001	131.985
38.000	132.000
39.000	132.015
40.000	132.029
41.000	132.043
42.000	132.057
43.000	132.071
44.000	132.085
45.000	132.098
46.000	132.111
47.000	132.124
48.000	132.137
49.000	132.142
50.000	132.144
51.000	132.148
52.000	132.153
53.000	132.155
54.000	132.165
55.000	132.181
56.000	132.204
57.000	132.237
58.000	132.286
59.000	132.371
60.000	132.537
61.000	132.701
62.000	132.788
63.000	132.832
64.000	132.832
65.000	132.823
66.000	132.817
67.000	132.801
68.000	132.782
69.000	132.761
70.000	132.737
71.000	132.713
72.000	132.690
73.000	132.671
74.000	132.660
75.000	132.650
76.000	132.641
77.000	132.632
78.000	132.621
79.000	132.611
80.000	132.600
81.000	132.589
82.000	132.578
83.000	132.567
84.000	132.556

85.000	132.553
86.000	132.559
87.000	132.564
88.000	132.570
89.000	132.576
90.000	132.581
91.000	132.587
92.000	132.593
93.000	132.599
94.000	132.606
95.000	132.612
96.000	132.618
97.000	132.624
98.000	132.630
99.000	132.636
100.000	132.642
101.000	132.648
102.000	132.654
103.000	132.660
104.000	132.666
105.000	132.672
106.000	132.678
107.000	132.684
108.000	132.690
109.000	132.696
110.000	132.702
111.000	132.708
112.000	132.714
113.000	132.720
114.000	132.726
115.000	132.732
116.000	132.738
117.000	132.744
118.000	132.750
119.000	132.756
120.000	132.762
121.000	132.768
122.000	132.774
123.000	132.780
124.000	132.786
125.000	132.792
126.000	132.798
127.000	132.804
128.000	132.810
129.000	132.816
130.000	132.822
131.000	132.828
132.000	132.834
133.000	132.840
134.000	132.846
135.000	132.852
136.000	132.858
137.000	132.864
138.000	132.870
139.000	132.876
140.000	132.882
141.000	132.888
142.000	132.894
143.000	132.900
144.000	132.906
145.000	132.912
146.000	132.918
147.000	132.924
148.000	132.930
149.000	132.936
150.000	132.942
151.000	132.948
152.000	132.954
153.000	132.960
154.000	132.966
155.000	132.972
156.000	132.978
157.000	132.984



158.000	132.417
159.000	132.432
160.000	132.447
161.000	132.461
162.000	132.475
163.000	132.488
164.000	132.499
165.000	132.509
166.000	132.517
167.000	132.522
168.000	132.523
169.000	132.521
170.000	132.517
171.000	132.511
172.000	132.504
173.000	132.497
174.000	132.489
175.000	132.480
176.000	132.471
177.000	132.462
178.000	132.452
179.000	132.443
180.000	132.434
181.000	132.425
182.000	132.415
183.000	132.406
184.000	132.397
185.000	132.388
186.000	132.379
187.000	132.371
188.000	132.362
189.000	132.354
190.000	132.346
191.000	132.338
192.000	132.330
193.000	132.322
194.000	132.315
195.000	132.307
196.000	132.300
197.000	132.292
198.000	132.284
199.000	132.277
200.000	132.273
201.000	132.267
202.000	132.261
203.000	132.255
204.000	132.249
205.000	132.243
206.000	132.238
207.000	132.232
208.000	132.227
209.000	132.222
210.000	132.217
211.000	132.212
212.000	132.207
213.000	132.203
214.000	132.198
215.000	132.194
216.000	132.190
217.000	132.185
218.000	132.181
219.000	132.177
220.000	132.173
221.000	132.169
222.000	132.165
223.000	132.162
224.000	132.158
225.000	132.154
226.000	132.151
227.000	132.147
228.000	132.144
229.000	132.141
230.000	132.137

231.000	132.134
232.000	132.131
233.000	132.128
234.000	132.125
235.000	132.122
236.000	132.119
237.000	132.116
238.000	132.113
239.000	132.111
240.000	132.108
241.000	132.105
242.000	132.103
243.000	132.100
244.000	132.097
245.000	132.095
246.000	132.092
247.000	132.089
248.000	132.088
249.000	132.085
250.000	132.083
251.000	132.081
252.000	132.078
253.000	132.076
254.000	132.074
255.000	132.072
256.000	132.070
257.000	132.068
258.000	132.066
259.000	132.064
260.000	132.062
261.000	132.060
262.000	132.058
263.000	132.056
264.000	132.054
265.000	132.052
266.000	132.050
267.000	132.048
268.000	132.046
269.000	132.044
270.000	132.043
271.000	132.041
272.000	132.039
273.000	132.038
274.000	132.036
275.000	132.035
276.000	132.033
277.000	132.031
278.000	132.030
279.000	132.028
280.000	132.027
281.000	132.025
282.000	132.024
283.000	132.024
284.000	132.021
285.000	132.019
286.000	132.018
287.000	132.016
288.000	132.015
289.000	132.013
290.000	132.012
291.000	132.011
292.000	132.009
293.000	132.008
294.000	132.006
295.000	132.005
296.000	132.004
297.000	132.003
298.000	132.002
299.000	132.000
300.000	131.999

Time (hrs)	Stage (ft)
0.000	129.600
1.000	129.600
2.000	129.601
3.000	129.604
4.000	129.609
5.001	129.615
6.000	129.622
7.000	129.629
8.000	129.636
9.000	129.643
10.000	129.651
11.000	129.659
12.000	129.667
13.000	129.673
14.001	129.683
15.001	129.690
16.000	129.698
17.000	129.706
18.000	129.713
19.000	129.721
20.000	129.729
21.000	129.737
22.000	129.745
23.000	129.753
24.001	129.761
25.001	129.771
26.000	129.776
27.000	129.782
28.000	129.821
29.000	129.874
30.000	129.901
31.000	129.928
32.000	129.954
33.000	129.980
34.001	130.005
35.000	130.031
36.000	130.058
37.000	130.084
38.000	130.106
39.000	130.131
40.000	130.155
41.000	130.179
42.000	130.203
43.000	130.226
44.000	130.250
45.000	130.274
46.000	130.297
47.000	130.320
48.000	130.343
49.000	130.368
50.000	130.372
51.000	130.377
52.000	130.389
53.000	130.408
54.000	130.434
55.000	130.470
56.000	130.521
57.000	130.592
58.000	130.711
59.000	130.872
60.000	131.227
61.000	131.505
62.000	131.686
63.000	131.805
64.000	131.868
65.000	131.901
66.000	131.915
67.000	131.920
68.000	131.916
69.000	131.916

Deberry Engineers, Inc.  
 01/23/2023

70.000	131.907
71.000	131.895
72.000	131.882
73.000	131.875
74.000	131.872
75.000	131.876
76.000	131.880
77.000	131.884
78.000	131.888
79.000	131.892
80.000	131.896
81.000	131.899
82.000	131.902
83.000	131.905
84.000	131.907
85.000	131.910
86.000	131.912
87.000	131.915
88.000	131.917
89.000	131.919
90.000	131.921
91.000	131.923
92.000	131.924
93.000	131.926
94.000	131.927
95.000	131.929
96.000	131.929
97.000	131.928
98.000	131.926
99.000	131.914
100.000	131.905
101.000	131.898
102.000	131.892
103.000	131.888
104.000	131.883
105.000	131.879
106.000	131.876
107.000	131.873
108.000	131.871
109.000	131.869
110.000	131.867
111.000	131.865
112.000	131.863
113.000	131.862
114.000	131.861
115.000	131.860
116.000	131.859
117.000	131.858
118.000	131.858
119.000	131.858
120.000	131.857
121.000	131.856
122.000	131.855
123.000	131.852
124.000	131.851
125.000	131.849
126.000	131.847
127.000	131.847
128.000	131.844
129.000	131.843
130.000	131.842
131.000	131.841
132.000	131.841
133.000	131.840
134.000	131.839
135.000	131.901
136.000	131.936
137.000	131.976
138.000	132.018
139.000	132.061
140.000	132.102
141.000	132.140
142.000	132.178

Deberry Engineers, Inc.  
 01/23/2023

143.000	132.218
144.000	132.262
145.000	132.310
146.000	132.356
147.000	132.402
148.000	132.449
149.000	132.496
150.000	132.543
151.000	132.589
152.000	132.636
153.000	132.682
154.000	132.729
155.000	132.776
156.000	132.822
157.000	132.869
158.000	132.915
159.000	132.962
160.000	133.008
161.000	133.055
162.000	133.101
163.000	133.148
164.000	133.194
165.000	133.241
166.000	133.287
167.000	133.334
168.000	133.380
169.000	133.427
170.000	133.473
171.000	133.520
172.000	133.566
173.000	133.613
174.000	133.659
175.000	133.706
176.000	133.752
177.000	133.799
178.000	133.845
179.000	133.892
180.000	133.938
181.000	133.985
182.000	134.031
183.000	134.078
184.000	134.124
185.000	134.171
186.000	134.217
187.000	134.264
188.000	134.310
189.000	134.357
190.000	134.403
191.000	134.450
192.000	134.496
193.000	134.543
194.000	134.589
195.000	134.636
196.000	134.682
197.000	134.729
198.000	134.775
199.000	134.822
200.000	134.868
201.000	134.915
202.000	134.961
203.000	135.008
204.000	135.054
205.000	135.101
206.000	135.147
207.000	135.194
208.000	135.240
209.000	135.287
210.000	135.333
211.000	135.380
212.000	135.426
213.000	135.473
214.000	135.519
215.000	135.566

216.000	131.844
217.000	131.891
218.000	131.937
219.000	131.984
220.000	132.030
221.000	132.077
222.000	132.123
223.000	132.170
224.000	132.216
225.000	132.263
226.000	132.309
227.000	132.356
228.000	132.402
229.000	132.449
230.000	132.495
231.000	132.542
232.000	132.588
233.000	132.635
234.000	132.681
235.000	132.728
236.000	132.774
237.000	132.821
238.000	132.867
239.000	132.914
240.000	132.960
241.000	133.007
242.000	133.053
243.000	133.100
244.000	133.146
245.000	133.193
246.000	133.239
247.000	133.286
248.000	133.332
249.000	133.379
250.000	133.425
251.000	133.472
252.000	133.518
253.000	133.565
254.000	133.611
255.000	133.658
256.000	133.704
257.000	133.751
258.000	133.797
259.000	133.844
260.000	133.890
261.000	133.937
262.000	133.983
263.000	134.030
264.000	134.076
265.000	134.123
266.000	134.169
267.000	134.216
268.000	134.262
269.000	134.309
270.000	134.355
271.000	134.402
272.000	134.448
273.000	134.495
274.000	134.541
275.000	134.588
276.000	134.634
277.000	134.681
278.000	134.727
279.000	134.774
280.000	134.820
281.000	134.867
282.000	134.913
283.000	134.960
284.000	135.006
285.000	135.053
286.000	135.099
287.000	135.146
288.000	135.192

289,000	131.818
290,000	131.818
291,000	131.817
292,000	131.817
293,000	131.817
294,000	131.816
295,000	131.816
296,000	131.816
297,000	131.816
298,000	131.815
299,000	131.815
300,000	131.815

Name: PCZYld Node: NB0043 Type: Stage

Time(hrs)	Stage(ft)
0.000	143.090
1.000	143.090
2.000	143.090
3.000	143.090
4.000	143.090
5.001	143.090
6.000	143.090
7.000	143.090
8.000	143.090
9.000	143.090
10.000	143.090
11.000	143.090
12.000	143.145
13.000	143.279
14.000	143.197
15.000	143.118
16.001	143.090
17.000	143.090
18.000	143.090
19.000	143.090
20.000	143.090
21.000	143.090
22.000	143.090
23.000	143.090
24.000	143.090
25.000	143.090
26.000	143.090
27.000	143.090
28.000	143.090
29.000	143.090
30.000	143.090
31.000	143.090
32.000	143.090
33.000	143.090
34.000	143.090
35.000	143.090
36.000	143.090
37.000	143.090
38.000	143.090
39.000	143.090
40.000	143.090
41.000	143.090
42.000	143.090
43.000	143.090
44.000	143.090
45.000	143.090
46.000	143.090
47.000	143.090
48.000	143.090
49.000	143.090
50.000	143.090
51.000	143.090
52.000	143.090
53.000	143.090
54.000	143.090

55,000	143.090
56,000	143.090
57,000	143.090
58,000	143.090
59,000	143.090
60,000	143.090
61,000	143.090
62,000	143.090
63,000	143.090
64,000	143.090
65,000	143.090
66,000	143.090
67,000	143.090
68,000	143.090
69,000	143.090
70,000	143.090
71,000	143.090
72,000	143.090
73,000	143.090
74,000	143.090
75,000	143.090
76,000	143.090
77,000	143.090
78,000	143.090
79,000	143.090
80,000	143.090
81,000	143.090
82,000	143.090
83,000	143.090
84,000	143.090
85,000	143.090
86,000	143.090
87,000	143.090
88,000	143.090
89,000	143.090
90,000	143.090
91,000	143.090
92,000	143.090
93,000	143.090
94,000	143.090
95,000	143.090
96,000	143.090
97,000	143.090
98,000	143.090
99,000	143.090
100,000	143.090
101,000	143.090
102,000	143.090
103,000	143.090
104,000	143.090
105,000	143.090
106,000	143.090
107,000	143.090
108,000	143.090
109,000	143.090
110,000	143.090
111,000	143.090
112,000	143.090
113,000	143.090
114,000	143.090
115,000	143.090
116,000	143.090
117,000	143.090
118,000	143.090
119,000	143.090
120,000	143.090
121,000	143.090
122,000	143.090
123,000	143.090
124,000	143.090
125,000	143.090
126,000	143.090
127,000	143.090

128.000	143.090
129.000	143.090
130.000	143.090
131.000	143.090
132.000	143.090
133.000	143.090
134.000	143.090
135.000	143.090
136.000	143.090
137.000	143.090
138.000	143.090
139.000	143.090
140.000	143.090
141.000	143.090
142.000	143.090
143.000	143.090
144.000	143.090
145.000	143.090
146.000	143.090
147.000	143.090
148.000	143.090
149.000	143.090
150.000	143.090
151.000	143.090
152.000	143.090
153.000	143.090
154.000	143.090
155.000	143.090
156.000	143.090
157.000	143.090
158.000	143.090
159.000	143.090
160.000	143.090
161.000	143.090
162.000	143.090
163.000	143.090
164.000	143.090
165.000	143.090
166.000	143.090
167.000	143.090
168.000	143.090
169.000	143.090
170.000	143.090
171.000	143.090
172.000	143.090
173.000	143.090
174.000	143.090
175.000	143.090
176.000	143.090
177.000	143.090
178.000	143.090
179.000	143.090
180.000	143.090
181.000	143.090
182.000	143.090
183.000	143.090
184.000	143.090
185.000	143.090
186.000	143.090
187.000	143.090
188.000	143.090
189.000	143.090
190.000	143.090
191.000	143.090
192.000	143.090
193.000	143.090
194.000	143.090
195.000	143.090
196.000	143.090
197.000	143.090
198.000	143.090
199.000	143.090
200.000	143.090

200.000	143.090	
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Name: PcyZyd	Node: NB0050	Type: Stage
Time (hrs)	Stage (Ft)	
0.000	129.420	
1.000	129.420	
2.000	129.420	
3.000	129.422	
4.000	129.426	
5.001	129.432	
6.000	129.439	
7.000	129.447	
8.000	129.456	
9.000	129.465	
10.000	129.481	
11.000	129.499	
12.000	129.531	
13.000	129.647	
14.000	129.721	
15.000	129.764	
16.001	129.790	
17.000	129.804	
18.000	129.814	
19.000	129.821	
20.000	129.825	
21.000	129.828	
22.000	129.838	
23.000	129.842	
24.000	129.845	
25.000	129.847	
26.000	129.846	
27.000	129.844	
28.000	129.842	
29.000	129.839	
30.000	129.836	
31.000	129.834	
32.000	129.832	
33.000	129.829	
34.000	129.826	
35.000	129.824	
36.000	129.821	
37.000	129.819	
38.000	129.817	
39.000	129.814	
40.000	129.812	
41.000	129.810	
42.000	129.807	
43.000	129.805	
44.000	129.803	
45.000	129.801	
46.000	129.798	
47.000	129.796	
48.000	129.794	
49.000	129.792	
50.000	129.790	
51.000	129.788	
52.000	129.786	
53.000	129.784	
54.000	129.782	
55.000	129.780	
56.000	129.778	
57.000	129.776	
58.000	129.774	
59.000	129.773	
60.000	129.771	
61.000	129.769	
62.000	129.767	
63.000	129.765	
64.000	129.764	
65.000	129.762	

66.000	129.760
67.000	129.758
68.000	129.757
69.000	129.755
70.000	129.752
71.000	129.750
72.000	129.749
73.000	129.747
74.000	129.745
75.000	129.744
76.000	129.742
77.000	129.741
78.000	129.739
79.000	129.738
80.000	129.736
81.000	129.735
82.000	129.732
83.000	129.732
84.000	129.731
85.000	129.729
86.000	129.728
87.000	129.727
88.000	129.725
89.000	129.724
90.000	129.723
91.000	129.721
92.000	129.720
93.000	129.719
94.000	129.717
95.000	129.716
96.000	129.715
97.000	129.714
98.000	129.712
99.000	129.711
100.000	129.710
101.000	129.709
102.000	129.708
103.000	129.706
104.000	129.705
105.000	129.703
106.000	129.702
107.000	129.701
108.000	129.700
109.000	129.699
110.000	129.698
111.000	129.696
112.000	129.695
113.000	129.694
114.000	129.693
115.000	129.692
116.000	129.691
117.000	129.689
118.000	129.688
119.000	129.687
120.000	129.686
121.000	129.684
122.000	129.683
123.000	129.682
124.000	129.681
125.000	129.679
126.000	129.678
127.000	129.677
128.000	129.676
129.000	129.675
130.000	129.674
131.000	129.673
132.000	129.672
133.000	129.671
134.000	129.670
135.000	129.669
136.000	129.668
137.000	129.667
138.000	129.666
139.000	129.665
140.000	129.664
141.000	129.663
142.000	129.662
143.000	129.661
144.000	129.660
145.000	129.659
146.000	129.658
147.000	129.657
148.000	129.656
149.000	129.655
150.000	129.654
151.000	129.653
152.000	129.652
153.000	129.651
154.000	129.650
155.000	129.649
156.000	129.648
157.000	129.647
158.000	129.646
159.000	129.645
160.000	129.644
161.000	129.643
162.000	129.642
163.000	129.641
164.000	129.640
165.000	129.639
166.000	129.638
167.000	129.637
168.000	129.636
169.000	129.635
170.000	129.634
171.000	129.633
172.000	129.632
173.000	129.631
174.000	129.630
175.000	129.629
176.000	129.628
177.000	129.627
178.000	129.626
179.000	129.625
180.000	129.624
181.000	129.623
182.000	129.622
183.000	129.621
184.000	129.620
185.000	129.619
186.000	129.618
187.000	129.617
188.000	129.616
189.000	129.615
190.000	129.614
191.000	129.613
192.000	129.612
193.000	129.611
194.000	129.610
195.000	129.609
196.000	129.608
197.000	129.607
198.000	129.606
199.000	129.605
200.000	129.604

139.000	129.671
140.000	129.671
141.000	129.670
142.000	129.669
143.000	129.668
144.000	129.667
145.000	129.666
146.000	129.666
147.000	129.665
148.000	129.664
149.000	129.663
150.000	129.662
151.000	129.662
152.000	129.661
153.000	129.660
154.000	129.659
155.000	129.658
156.000	129.657
157.000	129.657
158.000	129.656
159.000	129.656
160.000	129.655
161.000	129.654
162.000	129.653
163.000	129.653
164.000	129.652
165.000	129.651
166.000	129.651
167.000	129.650
168.000	129.649
169.000	129.648
170.000	129.648
171.000	129.647
172.000	129.646
173.000	129.646
174.000	129.645
175.000	129.644
176.000	129.644
177.000	129.643
178.000	129.642
179.000	129.642
180.000	129.641
181.000	129.641
182.000	129.640
183.000	129.639
184.000	129.639
185.000	129.638
186.000	129.637
187.000	129.637
188.000	129.636
189.000	129.635
190.000	129.635
191.000	129.634
192.000	129.634
193.000	129.633
194.000	129.633
195.000	129.632
196.000	129.632
197.000	129.631
198.000	129.630
199.000	129.630
200.000	129.629

Name:	PC2Y1d	Node:	NB0102	Type:	Stage
Time (hrs)					
0.000	139.200				
1.000	139.200				
2.000	139.200				
3.000	139.200				

4.000	139.200
5.001	139.200
6.000	139.200
7.000	139.200
8.000	139.200
9.000	139.200
10.000	139.200
11.000	139.200
12.000	139.201
13.000	139.200
14.000	139.200
15.000	139.200
16.001	139.200
17.000	139.200
18.000	139.200
19.000	139.200
20.000	139.200
21.000	139.200
22.000	139.200
23.000	139.200
24.000	139.200
25.000	139.200
26.000	139.200
27.000	139.200
28.000	139.200
29.000	139.200
30.000	139.200
31.000	139.200
32.000	139.200
33.000	139.200
34.000	139.200
35.000	139.200
36.000	139.200
37.000	139.200
38.000	139.200
39.000	139.200
40.000	139.200
41.000	139.200
42.000	139.200
43.000	139.200
44.000	139.200
45.000	139.200
46.000	139.200
47.000	139.200
48.000	139.200
49.000	139.200
50.000	139.200
51.000	139.200
52.000	139.200
53.000	139.200
54.000	139.200
55.000	139.200
56.000	139.200
57.000	139.200
58.000	139.200
59.000	139.200
60.000	139.200
61.000	139.200
62.000	139.200
63.000	139.200
64.000	139.200
65.000	139.200
66.000	139.200
67.000	139.200
68.000	139.200
69.000	139.200
70.000	139.200
71.000	139.200
72.000	139.200
73.000	139.200
74.000	139.200
75.000	139.200
76.000	139.200

Deberry Engineers, Inc.  
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77.000	139.200
78.000	139.200
79.000	139.200
80.000	139.200
81.000	139.200
82.000	139.200
83.000	139.200
84.000	139.200
85.000	139.200
86.000	139.200
87.000	139.200
88.000	139.200
89.000	139.200
90.000	139.200
91.000	139.200
92.000	139.200
93.000	139.200
94.000	139.200
95.000	139.200
96.000	139.200
97.000	139.200
98.000	139.200
99.000	139.200
100.000	139.200
101.000	139.200
102.000	139.200
103.000	139.200
104.000	139.200
105.000	139.200
106.000	139.200
107.000	139.200
108.000	139.200
109.000	139.200
110.000	139.200
111.000	139.200
112.000	139.200
113.000	139.200
114.000	139.200
115.000	139.200
116.000	139.200
117.000	139.200
118.000	139.200
119.000	139.200
120.000	139.200
121.000	139.200
122.000	139.200
123.000	139.200
124.000	139.200
125.000	139.200
126.000	139.200
127.000	139.200
128.000	139.200
129.000	139.200
130.000	139.200
131.000	139.200
132.000	139.200
133.000	139.200
134.000	139.200
135.000	139.200
136.000	139.200
137.000	139.200
138.000	139.200
139.000	139.200
140.000	139.200
141.000	139.200
142.000	139.200
143.000	139.200
144.000	139.200
145.000	139.200
146.000	139.200
147.000	139.200
148.000	139.200
149.000	139.200

Deberry Engineers, Inc.  
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150.000	139.200		
151.000	139.200		
152.000	139.200		
153.000	139.200		
154.000	139.200		
155.000	139.200		
156.000	139.200		
157.000	139.200		
158.000	139.200		
159.000	139.200		
160.000	139.200		
161.000	139.200		
162.000	139.200		
163.000	139.200		
164.000	139.200		
165.000	139.200		
166.000	139.200		
167.000	139.200		
168.000	139.200		
169.000	139.200		
170.000	139.200		
171.000	139.200		
172.000	139.200		
173.000	139.200		
174.000	139.200		
175.000	139.200		
176.000	139.200		
177.000	139.200		
178.000	139.200		
179.000	139.200		
180.000	139.200		
181.000	139.200		
182.000	139.200		
183.000	139.200		
184.000	139.200		
185.000	139.200		
186.000	139.200		
187.000	139.200		
188.000	139.200		
189.000	139.200		
190.000	139.200		
191.000	139.200		
192.000	139.200		
193.000	139.200		
194.000	139.200		
195.000	139.200		
196.000	139.200		
197.000	139.200		
198.000	139.200		
199.000	139.200		
200.000	139.200		

Deberry Engineers, Inc.  
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15.000	130.593		
16.001	130.629		
17.000	130.656		
18.000	130.679		
19.000	130.699		
20.000	130.717		
21.000	130.734		
22.000	130.749		
23.000	130.763		
24.000	130.776		
25.000	130.786		
26.000	130.792		
27.000	130.797		
28.000	130.801		
29.000	130.804		
30.000	130.807		
31.000	130.810		
32.000	130.812		
33.000	130.815		
34.000	130.817		
35.000	130.819		
36.000	130.821		
37.000	130.822		
38.000	130.824		
39.000	130.826		
40.000	130.827		
41.000	130.828		
42.000	130.830		
43.000	130.831		
44.000	130.832		
45.000	130.833		
46.000	130.834		
47.000	130.835		
48.000	130.836		
49.000	130.837		
50.000	130.838		
51.000	130.839		
52.000	130.839		
53.000	130.840		
54.000	130.841		
55.000	130.841		
56.000	130.842		
57.000	130.843		
58.000	130.844		
59.000	130.844		
60.000	130.845		
61.000	130.845		
62.000	130.846		
63.000	130.846		
64.000	130.847		
65.000	130.847		
66.000	130.848		
67.000	130.848		
68.000	130.848		
69.000	130.849		
70.000	130.849		
71.000	130.849		
72.000	130.850		
73.000	130.850		
74.000	130.851		
75.000	130.851		
76.000	130.851		
77.000	130.852		
78.000	130.852		
79.000	130.852		
80.000	130.852		
81.000	130.853		
82.000	130.853		
83.000	130.853		
84.000	130.853		
85.000	130.854		
86.000	130.854		
87.000	130.854		

Deberry Engineers, Inc.  
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88.000	130.854
89.000	130.855
90.000	130.855
91.000	130.855
92.000	130.855
93.000	130.855
94.000	130.856
95.000	130.856
96.000	130.856
97.000	130.856
98.000	130.856
99.000	130.856
100.000	130.857
101.000	130.857
102.000	130.857
103.000	130.857
104.000	130.857
105.000	130.857
106.000	130.857
107.000	130.858
108.000	130.858
109.000	130.858
110.000	130.858
111.000	130.858
112.000	130.858
113.000	130.858
114.000	130.858
115.000	130.858
116.000	130.858
117.000	130.859
118.000	130.859
119.000	130.859
120.000	130.859
121.000	130.859
122.000	130.859
123.000	130.859
124.000	130.859
125.000	130.859
126.000	130.859
127.000	130.859
128.000	130.860
129.000	130.860
130.000	130.860
131.000	130.860
132.000	130.860
133.000	130.860
134.000	130.860
135.000	130.860
136.000	130.860
137.000	130.860
138.000	130.860
139.000	130.860
140.000	130.860
141.000	130.860
142.000	130.860
143.000	130.860
144.000	130.860
145.000	130.860
146.000	130.860
147.000	130.860
148.000	130.861
149.000	130.861
150.000	130.861
151.000	130.861
152.000	130.861
153.000	130.861
154.000	130.861
155.000	130.861
156.000	130.861
157.000	130.861
158.000	130.861
159.000	130.861
160.000	130.861

161.000	130.861
162.000	130.861
163.000	130.861
164.000	130.861
165.000	130.861
166.000	130.861
167.000	130.861
168.000	130.861
169.000	130.861
170.000	130.861
171.000	130.861
172.000	130.861
173.000	130.861
174.000	130.861
175.000	130.861
176.000	130.861
177.000	130.861
178.000	130.861
179.000	130.861
180.000	130.861
181.000	130.861
182.000	130.861
183.000	130.861
184.000	130.861
185.000	130.861
186.000	130.861
187.000	130.861
188.000	130.861
189.000	130.861
190.000	130.861
191.000	130.861
192.000	130.861
193.000	130.861
194.000	130.861
195.000	130.861
196.000	130.861
197.000	130.861
198.000	130.861
199.000	130.861
200.000	130.861

Name: Pcr2y1d Node: NB2124 Type: Stage

Time (hrs)	Stage (ft)
0.000	131.710
1.000	131.710
2.000	131.710
3.000	131.710
4.000	131.710
5.000	131.710
6.000	131.710
7.000	131.715
8.000	131.726
9.000	131.739
10.000	131.756
11.000	131.779
12.000	131.849
13.000	132.008
14.000	132.051
15.000	132.069
16.000	132.082
17.000	132.101
18.000	132.107
19.000	132.113
20.000	132.117
21.000	132.121
22.000	132.125
23.000	132.128
24.000	132.127

26.000	132.124
27.000	132.121
28.000	132.118
29.000	132.116
30.000	132.116
31.000	132.110
32.000	132.107
33.000	132.105
34.000	132.102
35.000	132.099
36.000	132.097
37.000	132.094
38.000	132.092
39.000	132.089
40.000	132.087
41.000	132.082
42.000	132.082
43.000	132.080
44.000	132.078
45.000	132.076
46.000	132.074
47.000	132.071
48.000	132.069
49.000	132.067
50.000	132.065
51.000	132.063
52.000	132.061
53.000	132.059
54.000	132.057
55.000	132.055
56.000	132.053
57.000	132.051
58.000	132.050
59.000	132.048
60.000	132.046
61.000	132.044
62.000	132.043
63.000	132.041
64.000	132.039
65.000	132.037
66.000	132.036
67.000	132.034
68.000	132.033
69.000	132.031
70.000	132.029
71.000	132.028
72.000	132.026
73.000	132.025
74.000	132.023
75.000	132.022
76.000	132.020
77.000	132.017
78.000	132.017
79.000	132.016
80.000	132.015
81.000	132.013
82.000	132.012
83.000	132.010
84.000	132.009
85.000	132.008
86.000	132.006
87.000	132.005
88.000	132.004
89.000	132.001
90.000	132.001
91.000	132.000
92.000	131.999
93.000	131.998
94.000	131.996
95.000	131.995
96.000	131.994
97.000	131.993
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99.000	131.991
100.000	131.989
101.000	131.988
102.000	131.987
103.000	131.986
104.000	131.985
105.000	131.984
106.000	131.983
107.000	131.982
108.000	131.981
109.000	131.980
110.000	131.979
111.000	131.978
112.000	131.977
113.000	131.976
114.000	131.975
115.000	131.974
116.000	131.973
117.000	131.972
118.000	131.971
119.000	131.970
120.000	131.969
121.000	131.968
122.000	131.967
123.000	131.966
124.000	131.965
125.000	131.964
126.000	131.964
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141.000	131.950
142.000	131.949
143.000	131.949
144.000	131.948
145.000	131.948
146.000	131.947
147.000	131.946
148.000	131.946
149.000	131.945
150.000	131.944
151.000	131.944
152.000	131.943
153.000	131.942
154.000	131.941
155.000	131.941
156.000	131.940
157.000	131.939
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159.000	131.938
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162.000	131.936
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190.000	131.919
191.000	131.918
192.000	131.918
193.000	131.917
194.000	131.917
195.000	131.916
196.000	131.916
197.000	131.915
198.000	131.915
199.000	131.914
200.000	131.914

Name: PCZY1d Node: NB2130 Type: Stage

Time (hrs)	Stage (Ft)
0.000	129.600
1.000	129.600
2.000	129.602
3.000	129.606
4.000	129.613
5.001	129.622
6.000	129.633
7.000	129.645
8.000	129.660
9.000	129.678
10.000	129.700
11.000	129.729
12.000	129.789
13.000	130.005
14.000	130.139
15.000	130.246
16.000	130.341
17.000	130.283
18.000	130.299
19.000	130.313
20.000	130.323
21.000	130.333
22.000	130.340
23.000	130.346
24.000	130.354
25.000	130.357
26.000	130.356
27.000	130.352
28.000	130.342
29.000	130.345
30.000	130.341
31.000	130.337
32.000	130.334
33.000	130.331
34.000	130.328
35.000	130.325
36.000	130.323

37.000	130.320
38.000	130.318
39.000	130.317
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196.000	130.374
197.000	130.375
198.000	130.375
199.000	130.375
200.000	130.375
200.000	130.375

Proposed Peace River Model (Basins 1-4)  
 CR 557 Widening  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
EQU1B1A	B	PC100y1d	12.48	17.21	-0.092	14.05	152.34	14.17	152.10
EQU1B1A	B	PC100y5d	61.27	19.07	-0.093	61.59	153.58	61.99	152.80
EQU1B1A	B	PC10y1d	13.00	10.70	-0.135	14.94	151.17	15.01	151.14
EQU1B1A	B	PC25y1d	12.89	12.58	-0.132	14.69	151.40	14.78	151.35
EQU1B1A	B	PC2y1d	13.30	3.96	0.129	21.50	150.37	21.52	150.37
EQU1B1A	B	PC500y5d	60.90	21.06	-0.093	62.12	154.61	62.48	153.78
EQU1B1A	B	PC50y1d	12.66	15.61	-0.096	14.36	151.87	14.50	151.76
OCS-1	B	PC100y1d	14.17	10.80	0.030	14.17	152.10	200.00	131.13
OCS-1	B	PC100y5d	61.99	19.36	0.049	61.99	152.80	184.91	131.85
OCS-1	B	PC10y1d	15.01	3.89	0.019	15.01	151.14	200.00	130.87
OCS-1	B	PC25y1d	14.78	5.02	0.025	14.78	151.35	200.00	130.92
OCS-1	B	PC2y1d	21.52	0.72	0.001	21.52	150.37	200.00	130.66
OCS-1	B	PC500y5d	62.48	19.79	-0.068	62.48	153.78	188.70	132.18
OCS-1	B	PC50y1d	14.50	7.46	0.028	14.50	151.76	200.00	131.03
OCS-2	B	PC100y1d	13.24	17.59	0.060	13.36	134.20	200.00	131.13
OCS-2	B	PC100y5d	61.48	17.91	0.060	61.81	134.82	184.91	131.85
OCS-2	B	PC10y1d	13.51	9.76	0.060	13.51	133.51	200.00	130.87
OCS-2	B	PC25y1d	13.44	11.56	0.060	13.44	133.64	200.00	130.92
OCS-2	B	PC2y1d	13.98	3.71	0.060	13.98	132.97	200.00	130.66
OCS-2	B	PC500y5d	61.59	18.85	0.060	62.20	135.46	188.70	132.18
OCS-2	B	PC50y1d	13.24	15.65	0.060	13.29	133.89	200.00	131.03
OCS-3	B	PC100y1d	12.79	27.33	0.080	12.79	134.07	200.00	131.42
OCS-3	B	PC100y5d	60.77	21.24	0.065	60.77	133.94	180.45	132.22
OCS-3	B	PC10y1d	12.85	18.05	0.065	12.85	133.88	14.24	130.75
OCS-3	B	PC25y1d	12.83	19.95	0.072	12.83	133.92	14.16	130.84
OCS-3	B	PC2y1d	12.98	10.44	0.065	12.98	133.70	14.44	130.43
OCS-3	B	PC500y5d	60.71	25.82	0.065	60.71	134.03	168.59	132.56
OCS-3	B	PC50y1d	12.80	23.74	0.086	12.80	133.99	200.00	131.01
OCS-4	B	PC100y1d	13.10	23.24	0.060	13.10	134.47	200.00	131.42
OCS-4	B	PC100y5d	61.21	24.04	0.043	61.21	134.49	180.37	132.22
OCS-4	B	PC10y1d	13.27	12.98	0.046	13.27	134.06	200.00	130.73
OCS-4	B	PC25y1d	13.22	14.98	0.052	13.22	134.14	200.00	130.83
OCS-4	B	PC2y1d	13.65	5.73	0.043	13.65	133.69	200.00	130.38
OCS-4	B	PC500y5d	61.24	29.54	0.043	61.24	134.72	170.43	132.55
OCS-4	B	PC50y1d	13.15	19.07	0.053	13.15	134.31	200.00	131.01
RB0002A	B	PC100y1d	0.00	0.00	0.000	25.50	140.57	22.98	138.19
RB0002A	B	PC100y5d	94.08	0.06	0.001	94.08	141.09	67.98	138.46
RB0002A	B	PC10y1d	0.00	0.00	0.000	25.50	140.32	19.87	137.98
RB0002A	B	PC25y1d	0.00	0.00	0.000	25.50	140.37	20.30	138.02
RB0002A	B	PC2y1d	0.00	0.00	0.000	25.50	140.11	18.05	137.82
RB0002A	B	PC500y5d	64.09	0.28	0.006	64.09	141.09	68.71	138.71
RB0002A	B	PC50y1d	0.00	0.00	0.000	25.50	140.46	21.17	138.10
RB0003A	B	PC100y1d	0.00	0.00	0.000	12.88	142.27	22.98	138.19
RB0003A	B	PC100y5d	0.00	0.00	0.000	66.13	142.80	67.98	138.46
RB0003A	B	PC10y1d	0.00	0.00	0.000	12.73	141.75	19.87	137.98

Proposed Peace River Model (Basins 1-4)  
 CR 557 Widening  
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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0003A	B	PC25y1d	0.00	0.00	0.000	12.76	141.85	20.30	138.02
RB0003A	B	PC2y1d	0.00	0.00	0.000	12.08	141.60	18.05	137.82
RB0003A	B	PC500y5d	0.00	0.00	0.000	64.71	143.75	68.71	138.71
RB0003A	B	PC50y1d	0.00	0.00	0.000	12.82	142.04	21.17	138.10
RB0003B	B	PC100y1d	11.82	3.17	1.155	12.88	142.27	0.00	50.00
RB0003B	B	PC100y5d	60.13	1.27	-0.017	66.13	142.80	0.00	50.00
RB0003B	B	PC10y1d	12.00	5.15	4.785	12.73	141.75	0.00	50.00
RB0003B	B	PC25y1d	12.07	4.22	0.777	12.76	141.85	0.00	50.00
RB0003B	B	PC2y1d	12.08	2.76	-0.550	12.08	141.60	0.00	50.00
RB0003B	B	PC500y5d	61.22	2.08	-0.200	64.71	143.75	0.00	50.00
RB0003B	B	PC50y1d	11.94	3.96	1.569	12.82	142.04	0.00	50.00
RB0004A	B	PC100y1d	12.10	2.89	0.017	12.10	139.11	22.98	138.19
RB0004A	B	PC100y5d	60.02	1.29	0.004	60.02	139.10	67.98	138.46
RB0004A	B	PC10y1d	12.10	1.96	0.011	12.10	139.10	19.87	137.98
RB0004A	B	PC25y1d	12.10	2.12	0.012	12.10	139.11	20.30	138.02
RB0004A	B	PC2y1d	12.10	1.36	0.008	12.10	139.10	18.05	137.82
RB0004A	B	PC500y5d	60.02	1.55	0.005	60.02	139.10	68.71	138.71
RB0004A	B	PC50y1d	12.10	2.42	0.014	12.10	139.11	21.17	138.10
RB0006A	B	PC100y1d	12.10	4.16	0.025	12.10	139.11	22.98	138.19
RB0006A	B	PC100y5d	60.02	1.84	0.006	60.02	139.10	67.98	138.46
RB0006A	B	PC10y1d	12.10	2.80	0.016	12.10	139.11	19.87	137.98
RB0006A	B	PC25y1d	12.10	3.02	0.017	12.10	139.11	20.30	138.02
RB0006A	B	PC2y1d	12.10	1.94	0.011	12.10	139.10	18.05	137.82
RB0006A	B	PC500y5d	60.01	2.21	0.007	60.01	139.10	68.71	138.71
RB0006A	B	PC50y1d	12.09	3.45	0.020	12.09	139.11	21.17	138.10
RB0007A	B	PC100y1d	12.09	4.14	0.024	12.09	139.11	22.98	138.19
RB0007A	B	PC100y5d	60.01	1.88	0.006	60.01	139.10	67.98	138.46
RB0007A	B	PC10y1d	12.09	2.86	0.016	12.09	139.11	19.87	137.98
RB0007A	B	PC25y1d	12.09	3.08	0.018	12.09	139.11	20.30	138.02
RB0007A	B	PC2y1d	12.10	1.98	0.011	12.10	139.11	18.05	137.82
RB0007A	B	PC500y5d	60.01	2.26	0.007	60.01	139.11	68.71	138.71
RB0007A	B	PC50y1d	12.09	3.52	0.020	12.09	139.11	21.17	138.10
RB0008A	B	PC100y1d	0.00	0.00	0.000	12.86	138.56	22.98	138.19
RB0008A	B	PC100y5d	0.00	0.00	0.000	65.38	138.35	67.98	138.46
RB0008A	B	PC10y1d	0.00	0.00	0.000	12.62	138.27	19.87	137.98
RB0008A	B	PC25y1d	0.00	0.00	0.000	12.70	138.30	20.30	138.02
RB0008A	B	PC2y1d	0.00	0.00	0.000	12.39	138.13	18.05	137.82
RB0008A	B	PC500y5d	0.00	0.00	0.000	64.34	140.31	68.71	138.71
RB0008A	B	PC50y1d	0.00	0.00	0.000	12.76	138.39	21.17	138.10
RB0008B	B	PC100y1d	0.00	0.00	0.000	12.86	138.56	22.98	138.19
RB0008B	B	PC100y5d	0.00	0.00	0.000	65.38	138.35	67.98	138.46
RB0008B	B	PC10y1d	0.00	0.00	0.000	12.62	138.27	19.87	137.98
RB0008B	B	PC25y1d	0.00	0.00	0.000	12.70	138.30	20.30	138.02
RB0008B	B	PC2y1d	0.00	0.00	0.000	12.39	138.13	18.05	137.82
RB0008B	B	PC500y5d	0.00	0.00	0.000	64.34	140.31	68.71	138.71

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0008B	B	PC50y1d	0.00	0.00	0.000	12.76	138.39	21.17	138.10
RB0008C	B	PC100y1d	0.00	0.00	0.000	12.86	138.56	12.25	148.11
RB0008C	B	PC100y5d	0.00	0.00	0.000	65.38	138.35	60.00	148.09
RB0008C	B	PC10y1d	0.00	0.00	0.000	12.62	138.27	12.08	148.09
RB0008C	B	PC25y1d	0.00	0.00	0.000	12.70	138.30	12.08	148.09
RB0008C	B	PC2y1d	0.00	0.00	0.000	12.39	138.13	12.08	148.09
RB0008C	B	PC500y5d	0.00	0.00	0.000	64.34	140.31	62.17	148.24
RB0008C	B	PC50y1d	0.00	0.00	0.000	12.76	138.39	12.08	148.09
RB0008D	B	PC100y1d	12.34	0.51	-0.360	12.86	138.56	0.00	50.00
RB0008D	B	PC100y5d	60.12	0.45	-0.105	65.38	138.35	0.00	50.00
RB0008D	B	PC10y1d	12.36	0.50	-0.331	12.62	138.27	0.00	50.00
RB0008D	B	PC25y1d	12.40	0.50	-0.381	12.70	138.30	0.00	50.00
RB0008D	B	PC2y1d	11.91	0.50	-0.147	12.39	138.13	0.00	50.00
RB0008D	B	PC500y5d	64.34	0.67	-0.068	64.34	140.31	0.00	50.00
RB0008D	B	PC50y1d	12.46	0.50	-0.344	12.76	138.39	0.00	50.00
RB0009A	B	PC100y1d	12.09	4.53	0.026	12.09	139.12	22.98	138.19
RB0009A	B	PC100y5d	60.01	2.10	0.007	60.01	139.11	67.98	138.46
RB0009A	B	PC10y1d	12.09	3.20	0.018	12.09	139.11	19.87	137.98
RB0009A	B	PC25y1d	12.09	3.45	0.020	12.09	139.12	20.30	138.02
RB0009A	B	PC2y1d	12.10	2.21	0.013	12.10	139.11	18.05	137.82
RB0009A	B	PC500y5d	61.01	2.66	0.008	61.01	139.11	68.71	138.71
RB0009A	B	PC50y1d	12.09	3.94	0.022	12.09	139.12	21.17	138.10
RB0010A	B	PC100y1d	0.00	0.00	0.000	23.94	131.17	26.33	137.59
RB0010A	B	PC100y5d	0.00	0.00	0.000	185.06	131.85	122.33	138.70
RB0010A	B	PC10y1d	0.00	0.00	0.000	199.99	130.87	26.33	136.72
RB0010A	B	PC25y1d	0.00	0.00	0.000	24.35	130.93	26.33	136.97
RB0010A	B	PC2y1d	0.00	0.00	0.000	199.99	130.66	0.00	136.40
RB0010A	B	PC500y5d	0.00	0.00	-0.000	188.81	132.18	97.30	139.38
RB0010A	B	PC50y1d	0.00	0.00	0.000	24.20	131.05	26.33	137.37
RB0010B	B	PC100y1d	14.99	9.71	-1.497	23.94	131.17	200.00	131.13
RB0010B	B	PC100y5d	61.63	13.27	-1.497	185.06	131.85	184.91	131.85
RB0010B	B	PC10y1d	14.74	5.72	-1.497	199.99	130.87	200.00	130.87
RB0010B	B	PC25y1d	14.78	6.44	-1.497	24.35	130.93	200.00	130.92
RB0010B	B	PC2y1d	14.69	2.59	-1.497	199.99	130.66	200.00	130.66
RB0010B	B	PC500y5d	60.91	13.51	-1.497	188.81	132.18	188.70	132.18
RB0010B	B	PC50y1d	14.98	8.09	-1.497	24.20	131.05	200.00	131.03
RB0012A	B	PC100y1d	0.00	0.00	0.000	12.25	148.11	22.98	138.19
RB0012A	B	PC100y5d	0.00	0.00	0.000	60.00	148.09	67.98	138.46
RB0012A	B	PC10y1d	0.00	0.00	0.000	12.08	148.09	19.87	137.98
RB0012A	B	PC25y1d	0.00	0.00	0.000	12.08	148.09	20.30	138.02
RB0012A	B	PC2y1d	0.00	0.00	0.000	12.08	148.09	18.05	137.82
RB0012A	B	PC500y5d	0.00	0.00	0.000	62.17	148.24	68.71	138.71
RB0012A	B	PC50y1d	0.00	0.00	0.000	12.08	148.09	21.17	138.10
RB0012B	B	PC100y1d	0.00	0.00	0.000	12.25	148.11	200.00	131.13

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0012B	B	PC100y5d	0.00	0.00	0.000	60.00	148.09	184.91	131.85
RB0012B	B	PC10y1d	0.00	0.00	0.000	12.08	148.09	200.00	130.87
RB0012B	B	PC25y1d	0.00	0.00	0.000	12.08	148.09	200.00	130.92
RB0012B	B	PC2y1d	0.00	0.00	0.000	12.08	148.09	200.00	130.66
RB0012B	B	PC500y5d	0.00	0.00	0.000	62.17	148.24	188.70	132.18
RB0012B	B	PC50y1d	0.00	0.00	0.000	12.08	148.09	200.00	131.03
RB0012C	B	PC100y1d	0.00	0.00	0.000	12.25	148.11	25.58	142.38
RB0012C	B	PC100y5d	0.00	0.00	0.000	60.00	148.09	65.14	142.96
RB0012C	B	PC10y1d	0.00	0.00	0.000	12.08	148.09	25.58	141.95
RB0012C	B	PC25y1d	0.00	0.00	0.000	12.08	148.09	25.58	142.02
RB0012C	B	PC2y1d	0.00	0.00	0.000	12.08	148.09	25.58	141.66
RB0012C	B	PC500y5d	0.00	0.00	0.000	62.17	148.24	62.06	143.19
RB0012C	B	PC50y1d	0.00	0.00	0.000	12.08	148.09	25.58	142.16
RB0012D	B	PC100y1d	11.98	6.71	-1.860	12.25	148.11	0.00	50.00
RB0012D	B	PC100y5d	60.00	3.27	-0.699	60.00	148.09	0.00	50.00
RB0012D	B	PC10y1d	12.08	5.01	0.028	12.08	148.09	0.00	50.00
RB0012D	B	PC25y1d	12.08	5.40	0.030	12.08	148.09	0.00	50.00
RB0012D	B	PC2y1d	12.08	3.47	0.019	12.08	148.09	0.00	50.00
RB0012D	B	PC500y5d	59.43	3.31	-0.528	62.17	148.24	0.00	50.00
RB0012D	B	PC50y1d	12.08	6.17	-0.592	12.08	148.09	0.00	50.00
RB0020A	B	PC100y1d	22.98	7.84	0.021	22.98	138.19	200.00	131.13
RB0020A	B	PC100y5d	67.98	8.23	0.002	67.98	138.46	184.91	131.85
RB0020A	B	PC10y1d	19.87	7.44	0.016	19.87	137.98	200.00	130.87
RB0020A	B	PC25y1d	20.30	7.53	0.017	20.30	138.02	200.00	130.92
RB0020A	B	PC2y1d	18.05	6.14	0.009	18.05	137.82	200.00	130.66
RB0020A	B	PC500y5d	68.71	8.55	0.002	68.71	138.71	188.70	132.18
RB0020A	B	PC50y1d	21.17	7.69	0.020	21.17	138.10	200.00	131.03
RB0020B	B	PC100y1d	0.00	0.00	0.000	22.98	138.19	25.50	139.32
RB0020B	B	PC100y5d	0.00	0.00	0.000	67.98	138.46	121.50	139.95
RB0020B	B	PC10y1d	0.00	0.00	0.000	19.87	137.98	25.50	138.96
RB0020B	B	PC25y1d	0.00	0.00	0.000	20.30	138.02	25.50	139.02
RB0020B	B	PC2y1d	0.00	0.00	0.000	18.05	137.82	25.50	138.72
RB0020B	B	PC500y5d	0.00	0.00	0.000	68.71	138.71	121.50	140.24
RB0020B	B	PC50y1d	0.00	0.00	0.000	21.17	138.10	25.50	139.14
RB0027A	B	PC100y1d	12.36	4.04	0.024	12.36	141.15	200.00	131.13
RB0027A	B	PC100y5d	60.21	1.88	0.003	60.21	141.05	184.91	131.85
RB0027A	B	PC10y1d	12.41	2.21	0.011	12.41	141.07	200.00	130.87
RB0027A	B	PC25y1d	12.40	2.40	0.012	12.40	141.08	200.00	130.92
RB0027A	B	PC2y1d	12.44	1.46	0.007	12.44	141.03	200.00	130.66
RB0027A	B	PC500y5d	60.20	2.27	0.004	60.20	141.07	188.70	132.18
RB0027A	B	PC50y1d	12.39	2.79	0.014	12.39	141.10	200.00	131.03
RB0027B	B	PC100y1d	0.00	0.00	0.000	12.36	141.15	200.00	131.13
RB0027B	B	PC100y5d	0.00	0.00	0.000	60.21	141.05	184.91	131.85
RB0027B	B	PC10y1d	0.00	0.00	0.000	12.41	141.07	200.00	130.87
RB0027B	B	PC25y1d	0.00	0.00	0.000	12.40	141.08	200.00	130.92



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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0027B	B	PC2y1d	0.00	0.00	0.000	12.44	141.03	200.00	130.66
RB0027B	B	PC500y5d	0.00	0.00	0.000	60.20	141.07	188.70	132.18
RB0027B	B	PC50y1d	0.00	0.00	0.000	12.39	141.10	200.00	131.03
RB0028A	B	PC100y1d	12.70	5.22	0.019	12.70	140.98	200.00	131.13
RB0028A	B	PC100y5d	60.87	3.18	0.005	60.87	140.90	184.91	131.85
RB0028A	B	PC10y1d	12.78	2.91	0.010	12.78	140.89	200.00	130.87
RB0028A	B	PC25y1d	12.77	3.17	0.011	12.77	140.90	200.00	130.92
RB0028A	B	PC2y1d	12.84	1.88	0.006	12.84	140.84	200.00	130.66
RB0028A	B	PC500y5d	60.78	3.88	0.006	60.78	140.93	188.70	132.18
RB0028A	B	PC50y1d	12.75	3.72	0.013	12.75	140.93	200.00	131.03
RB0028B	B	PC100y1d	0.00	0.00	0.000	12.70	140.98	200.00	131.13
RB0028B	B	PC100y5d	0.00	0.00	0.000	60.87	140.90	184.91	131.85
RB0028B	B	PC10y1d	0.00	0.00	0.000	12.78	140.89	200.00	130.87
RB0028B	B	PC25y1d	0.00	0.00	0.000	12.77	140.90	200.00	130.92
RB0028B	B	PC2y1d	0.00	0.00	0.000	12.84	140.84	200.00	130.66
RB0028B	B	PC500y5d	0.00	0.00	0.000	60.78	140.93	188.70	132.18
RB0028B	B	PC50y1d	0.00	0.00	0.000	12.75	140.93	200.00	131.03
RB0029A	B	PC100y1d	0.00	0.00	0.000	12.03	158.10	0.00	136.00
RB0029A	B	PC100y5d	0.00	0.00	0.000	60.08	158.10	0.00	136.00
RB0029A	B	PC10y1d	0.00	0.00	0.000	12.17	158.10	0.00	136.00
RB0029A	B	PC25y1d	0.00	0.00	0.000	12.17	158.10	0.00	136.00
RB0029A	B	PC2y1d	0.00	0.00	0.000	12.17	158.10	0.00	136.00
RB0029A	B	PC500y5d	0.00	0.00	0.000	60.08	158.10	0.00	136.00
RB0029A	B	PC50y1d	0.00	0.00	0.000	12.17	158.10	0.00	136.00
RB0029B	B	PC100y1d	12.17	0.49	0.003	12.03	158.10	0.00	50.00
RB0029B	B	PC100y5d	60.08	0.25	0.001	60.08	158.10	0.00	50.00
RB0029B	B	PC10y1d	12.17	0.35	0.002	12.17	158.10	0.00	50.00
RB0029B	B	PC25y1d	12.17	0.38	0.002	12.17	158.10	0.00	50.00
RB0029B	B	PC2y1d	12.17	0.25	0.001	12.17	158.10	0.00	50.00
RB0029B	B	PC500y5d	60.08	0.30	0.001	60.08	158.10	0.00	50.00
RB0029B	B	PC50y1d	12.17	0.44	0.002	12.17	158.10	0.00	50.00
RB0030A	B	PC100y1d	0.00	0.00	0.000	200.00	131.13	12.03	158.10
RB0030A	B	PC100y5d	0.00	0.00	0.000	184.92	131.85	60.08	158.10
RB0030A	B	PC10y1d	0.00	0.00	0.000	200.00	130.87	12.17	158.10
RB0030A	B	PC25y1d	0.00	0.00	0.000	200.00	130.92	12.17	158.10
RB0030A	B	PC2y1d	0.00	0.00	0.000	200.00	130.66	12.17	158.10
RB0030A	B	PC500y5d	0.00	0.00	0.000	188.71	132.18	60.08	158.10
RB0030A	B	PC50y1d	0.00	0.00	0.000	200.00	131.03	12.17	158.10
RB0031A	B	PC100y1d	12.43	6.67	0.035	12.43	141.65	200.00	131.13
RB0031A	B	PC100y5d	60.18	4.78	0.009	60.18	141.59	184.91	131.85
RB0031A	B	PC10y1d	12.44	3.15	0.020	12.44	141.52	200.00	130.87
RB0031A	B	PC25y1d	12.42	3.52	0.021	12.42	141.54	200.00	130.92
RB0031A	B	PC2y1d	12.67	1.55	0.012	12.67	141.45	200.00	130.66
RB0031A	B	PC500y5d	60.17	5.78	0.011	60.17	141.62	188.70	132.18
RB0031A	B	PC50y1d	12.48	4.57	0.023	12.48	141.58	200.00	131.03

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0031B	B	PC100y1d	0.00	0.00	0.000	12.43	141.65	200.00	131.13
RB0031B	B	PC100y5d	0.00	0.00	0.000	60.18	141.59	184.91	131.85
RB0031B	B	PC10y1d	0.00	0.00	0.000	12.44	141.52	200.00	130.87
RB0031B	B	PC25y1d	0.00	0.00	0.000	12.42	141.54	200.00	130.92
RB0031B	B	PC2y1d	0.00	0.00	0.000	12.67	141.45	200.00	130.66
RB0031B	B	PC500y5d	0.00	0.00	0.000	60.17	141.62	188.70	132.18
RB0031B	B	PC50y1d	0.00	0.00	0.000	12.48	141.58	200.00	131.03
RB0033A	B	PC100y1d	12.51	6.33	0.029	12.51	147.41	200.00	131.13
RB0033A	B	PC100y5d	60.39	3.32	0.005	60.39	147.30	184.91	131.85
RB0033A	B	PC10y1d	12.57	3.49	0.015	12.57	147.31	200.00	130.87
RB0033A	B	PC25y1d	12.56	3.80	0.016	12.56	147.32	200.00	130.92
RB0033A	B	PC2y1d	12.62	2.26	0.010	12.62	147.25	200.00	130.66
RB0033A	B	PC500y5d	60.36	4.03	0.007	60.36	147.33	188.70	132.18
RB0033A	B	PC50y1d	12.55	4.42	0.019	12.55	147.34	200.00	131.03
RB0033B	B	PC100y1d	0.00	0.00	0.000	12.51	147.41	12.43	141.65
RB0033B	B	PC100y5d	0.00	0.00	0.000	60.39	147.30	60.18	141.59
RB0033B	B	PC10y1d	0.00	0.00	0.000	12.57	147.31	12.44	141.52
RB0033B	B	PC25y1d	0.00	0.00	0.000	12.56	147.32	12.42	141.54
RB0033B	B	PC2y1d	0.00	0.00	0.000	12.62	147.25	12.67	141.45
RB0033B	B	PC500y5d	0.00	0.00	0.000	60.36	147.33	60.17	141.62
RB0033B	B	PC50y1d	0.00	0.00	0.000	12.55	147.34	12.48	141.58
RB0038A	B	PC100y1d	0.00	0.00	0.000	25.58	142.38	200.00	131.13
RB0038A	B	PC100y5d	65.14	1.92	0.005	65.14	142.96	184.91	131.85
RB0038A	B	PC10y1d	0.00	0.00	0.000	25.58	141.95	200.00	130.87
RB0038A	B	PC25y1d	0.00	0.00	0.000	25.58	142.02	200.00	130.92
RB0038A	B	PC2y1d	0.00	0.00	0.000	25.58	141.66	200.00	130.66
RB0038A	B	PC500y5d	62.06	8.22	0.037	62.06	143.19	188.70	132.18
RB0038A	B	PC50y1d	0.00	0.00	0.000	25.58	142.16	200.00	131.03
RB0038B	B	PC100y1d	0.00	0.00	0.000	25.58	142.38	200.00	131.13
RB0038B	B	PC100y5d	0.00	0.00	0.000	65.14	142.96	184.91	131.85
RB0038B	B	PC10y1d	0.00	0.00	0.000	25.58	141.95	200.00	130.87
RB0038B	B	PC25y1d	0.00	0.00	0.000	25.58	142.02	200.00	130.92
RB0038B	B	PC2y1d	0.00	0.00	0.000	25.58	141.66	200.00	130.66
RB0038B	B	PC500y5d	0.00	0.00	0.000	62.06	143.19	188.70	132.18
RB0038B	B	PC50y1d	0.00	0.00	0.000	25.58	142.16	200.00	131.03
RB0039A	B	PC100y1d	12.24	3.64	0.026	12.24	152.57	200.00	131.13
RB0039A	B	PC100y5d	60.12	1.48	0.003	60.12	152.47	184.91	131.85
RB0039A	B	PC10y1d	12.27	1.96	0.012	12.27	152.49	200.00	130.87
RB0039A	B	PC25y1d	12.26	2.13	0.012	12.26	152.50	200.00	130.92
RB0039A	B	PC2y1d	12.38	1.17	0.011	12.38	152.45	200.00	130.66
RB0039A	B	PC500y5d	61.16	2.85	0.008	61.16	152.54	188.70	132.18
RB0039A	B	PC50y1d	12.26	2.45	0.014	12.26	152.52	200.00	131.03
RB0040A	B	PC100y1d	0.00	0.00	0.000	200.00	131.13	23.94	131.17
RB0040A	B	PC100y5d	67.49	2.17	0.263	184.91	131.85	185.06	131.85

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0040A	B	PC10y1d	0.00	0.00	0.000	200.00	130.87	199.99	130.87
RB0040A	B	PC25y1d	0.00	0.00	0.000	200.00	130.92	24.35	130.93
RB0040A	B	PC2y1d	0.00	0.00	0.000	200.00	130.66	199.99	130.66
RB0040A	B	PC500y5d	65.68	4.69	-0.651	188.70	132.18	188.81	132.18
RB0040A	B	PC50y1d	0.00	0.00	0.000	200.00	131.03	24.20	131.05
RB0040B	B	PC100y1d	0.00	0.00	-0.283	200.00	131.13	12.23	133.43
RB0040B	B	PC100y5d	0.00	0.00	-0.039	184.91	131.85	60.13	133.31
RB0040B	B	PC10y1d	0.00	0.00	-0.184	200.00	130.87	12.40	133.34
RB0040B	B	PC25y1d	0.00	0.00	-0.212	200.00	130.92	12.35	133.36
RB0040B	B	PC2y1d	0.00	0.00	-0.063	200.00	130.66	12.81	133.18
RB0040B	B	PC500y5d	0.00	0.00	-0.051	188.70	132.18	60.11	133.35
RB0040B	B	PC50y1d	0.00	0.00	-0.272	200.00	131.03	12.27	133.40
RB0040C	B	PC100y1d	15.09	21.82	-4.686	200.00	131.13	200.00	131.13
RB0040C	B	PC100y5d	63.60	19.23	-12.737	184.91	131.85	184.92	131.85
RB0040C	B	PC10y1d	15.09	16.17	-2.539	200.00	130.87	200.00	130.87
RB0040C	B	PC25y1d	15.09	17.46	-2.931	200.00	130.92	200.00	130.92
RB0040C	B	PC2y1d	15.11	11.09	-1.214	200.00	130.66	200.00	130.66
RB0040C	B	PC500y5d	63.60	19.55	-17.426	188.70	132.18	188.71	132.18
RB0040C	B	PC50y1d	15.09	19.39	-3.769	200.00	131.03	200.00	131.03
RB0042A	B	PC100y1d	12.63	1.39	0.008	12.63	131.77	12.63	131.40
RB0042A	B	PC100y5d	184.95	1.73	0.002	184.95	131.85	184.95	131.45
RB0042A	B	PC10y1d	12.61	0.48	0.004	12.61	131.48	12.61	131.23
RB0042A	B	PC25y1d	12.62	0.63	0.005	12.62	131.54	12.62	131.26
RB0042A	B	PC2y1d	12.59	0.05	0.001	12.59	131.23	12.58	131.07
RB0042A	B	PC500y5d	188.76	3.41	0.003	188.76	132.18	188.76	131.64
RB0042A	B	PC50y1d	12.62	0.99	0.007	12.62	131.66	12.62	131.33
RB0042B	B	PC100y1d	12.63	19.35	-0.117	12.63	131.77	200.00	131.13
RB0042B	B	PC100y5d	60.48	14.54	-0.165	184.95	131.85	184.91	131.85
RB0042B	B	PC10y1d	12.61	14.83	-0.090	12.61	131.48	200.00	130.87
RB0042B	B	PC25y1d	12.62	15.75	-0.095	12.62	131.54	200.00	130.92
RB0042B	B	PC2y1d	12.58	10.93	-0.067	12.59	131.23	200.00	130.66
RB0042B	B	PC500y5d	60.46	17.16	-0.181	188.76	132.18	188.70	132.18
RB0042B	B	PC50y1d	12.62	17.57	-0.105	12.62	131.66	200.00	131.03
RB0042C	B	PC100y1d	0.00	0.00	0.000	12.63	131.77	200.00	131.13
RB0042C	B	PC100y5d	0.00	0.00	0.000	184.95	131.85	184.91	131.85
RB0042C	B	PC10y1d	0.00	0.00	0.000	12.61	131.48	200.00	130.87
RB0042C	B	PC25y1d	0.00	0.00	0.000	12.62	131.54	200.00	130.92
RB0042C	B	PC2y1d	0.00	0.00	0.000	12.59	131.23	200.00	130.66
RB0042C	B	PC500y5d	0.00	0.00	0.000	188.76	132.18	188.70	132.18
RB0042C	B	PC50y1d	0.00	0.00	0.000	12.62	131.66	200.00	131.03
RB0043A	B	PC100y1d	0.00	0.00	0.000	13.00	143.68	200.00	131.13
RB0043A	B	PC100y5d	0.00	0.00	0.000	65.00	143.82	184.91	131.85
RB0043A	B	PC10y1d	0.00	0.00	0.000	13.00	143.43	200.00	130.87
RB0043A	B	PC25y1d	0.00	0.00	0.000	13.00	143.47	200.00	130.92
RB0043A	B	PC2y1d	0.00	0.00	0.000	13.00	143.28	200.00	130.66

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB0043A	B	PC500y5d	0.00	0.00	0.000	65.00	144.13	188.70	132.18
RB0043A	B	PC50y1d	0.00	0.00	0.000	13.00	143.54	200.00	131.03
RB0105A	B	PC100y1d	0.00	0.00	0.000	13.00	140.43	200.00	131.13
RB0105A	B	PC100y5d	0.00	0.00	0.000	64.00	140.90	184.91	131.85
RB0105A	B	PC10y1d	0.00	0.00	0.000	13.00	139.50	200.00	130.87
RB0105A	B	PC25y1d	0.00	0.00	0.000	13.00	139.62	200.00	130.92
RB0105A	B	PC2y1d	0.00	0.00	0.000	12.00	139.20	200.00	130.66
RB0105A	B	PC500y5d	0.00	0.00	0.000	65.00	141.22	188.70	132.18
RB0105A	B	PC50y1d	0.00	0.00	0.000	13.00	139.86	200.00	131.03
RB2020A_CD03	B	PC100y1d	18.99	10.09	0.131	200.00	131.42	200.00	131.42
RB2020A_CD03	B	PC100y5d	64.40	20.59	0.119	180.37	132.22	180.29	132.22
RB2020A_CD03	B	PC10y1d	20.59	3.72	0.107	200.00	130.73	200.00	130.73
RB2020A_CD03	B	PC25y1d	20.22	4.99	0.126	200.00	130.83	200.00	130.83
RB2020A_CD03	B	PC2y1d	21.16	0.18	-0.057	200.00	130.38	200.00	130.38
RB2020A_CD03	B	PC500y5d	63.00	23.38	0.142	170.43	132.55	168.39	132.56
RB2020A_CD03	B	PC50y1d	19.52	7.51	0.106	200.00	131.01	200.00	131.01
RB2020B_CD03	B	PC100y1d	18.99	10.09	0.131	200.00	131.42	200.00	131.42
RB2020B_CD03	B	PC100y5d	64.40	20.59	0.119	180.37	132.22	180.29	132.22
RB2020B_CD03	B	PC10y1d	20.59	3.72	0.107	200.00	130.73	200.00	130.73
RB2020B_CD03	B	PC25y1d	20.22	4.99	0.126	200.00	130.83	200.00	130.83
RB2020B_CD03	B	PC2y1d	21.16	0.18	-0.057	200.00	130.38	200.00	130.38
RB2020B_CD03	B	PC500y5d	63.00	23.38	0.142	170.43	132.55	168.39	132.56
RB2020B_CD03	B	PC50y1d	19.52	7.51	0.106	200.00	131.01	200.00	131.01
RB2020C	B	PC100y1d	0.00	0.00	0.000	200.00	131.42	200.00	131.42
RB2020C	B	PC100y5d	0.00	0.00	0.000	180.37	132.22	180.29	132.22
RB2020C	B	PC10y1d	0.00	0.00	0.000	200.00	130.73	200.00	130.73
RB2020C	B	PC25y1d	0.00	0.00	0.000	200.00	130.83	200.00	130.83
RB2020C	B	PC2y1d	0.00	0.00	0.000	200.00	130.38	200.00	130.38
RB2020C	B	PC500y5d	0.00	0.00	0.000	170.43	132.55	168.39	132.56
RB2020C	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	200.00	131.01
RB2020D	B	PC100y1d	0.00	0.00	-0.075	200.00	131.42	14.11	132.03
RB2020D	B	PC100y5d	162.31	1.60	-0.400	180.37	132.22	180.38	132.22
RB2020D	B	PC10y1d	0.00	0.00	-0.009	200.00	130.73	16.90	131.92
RB2020D	B	PC25y1d	0.00	0.00	-0.016	200.00	130.83	15.78	131.94
RB2020D	B	PC2y1d	0.00	0.00	-0.000	200.00	130.38	25.87	131.83
RB2020D	B	PC500y5d	160.75	2.10	3.257	170.43	132.55	170.44	132.55
RB2020D	B	PC50y1d	0.00	0.00	-0.038	200.00	131.01	14.58	131.99
RB2022A	B	PC100y1d	12.34	1.39	0.012	12.34	132.76	200.00	131.42
RB2022A	B	PC100y5d	60.13	0.82	0.002	60.13	132.73	180.37	132.22
RB2022A	B	PC10y1d	12.59	0.70	0.006	12.59	132.72	200.00	130.73
RB2022A	B	PC25y1d	12.51	0.84	0.008	12.51	132.73	200.00	130.83
RB2022A	B	PC2y1d	13.20	0.18	0.001	13.20	132.67	200.00	130.38
RB2022A	B	PC500y5d	60.12	0.99	0.002	60.12	132.74	170.43	132.55
RB2022A	B	PC50y1d	12.41	1.12	0.010	12.41	132.75	200.00	131.01

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2030A	B	PC100y1d	12.00	1.69	-0.804	13.73	132.56	13.74	132.58
RB2030A	B	PC100y5d	24.67	0.46	0.567	61.75	132.58	61.75	132.60
RB2030A	B	PC10y1d	12.00	2.79	-0.751	14.19	132.48	14.17	132.49
RB2030A	B	PC25y1d	12.00	2.56	0.666	14.09	132.50	14.08	132.51
RB2030A	B	PC2y1d	12.01	3.17	0.641	14.64	132.40	14.63	132.41
RB2030A	B	PC500y5d	167.31	1.55	-1.552	61.58	132.61	61.59	132.65
RB2030A	B	PC50y1d	12.00	2.12	-0.683	13.91	132.53	13.89	132.55
RB2030B	B	PC100y1d	13.73	43.56	0.091	13.73	132.56	200.00	131.42
RB2030B	B	PC100y5d	61.75	48.97	0.063	61.75	132.58	180.37	132.22
RB2030B	B	PC10y1d	14.19	23.91	0.050	14.19	132.48	200.00	130.73
RB2030B	B	PC25y1d	14.09	27.22	0.058	14.09	132.50	200.00	130.83
RB2030B	B	PC2y1d	14.64	11.92	0.022	14.64	132.40	200.00	130.38
RB2030B	B	PC500y5d	61.58	62.67	0.087	61.58	132.61	170.43	132.55
RB2030B	B	PC50y1d	13.91	35.01	0.066	13.91	132.53	200.00	131.01
RB2030C	B	PC100y1d	0.00	0.00	-0.021	13.73	132.56	12.34	132.76
RB2030C	B	PC100y5d	0.00	0.00	-0.003	61.75	132.58	60.13	132.73
RB2030C	B	PC10y1d	0.00	0.00	-0.011	14.19	132.48	12.59	132.72
RB2030C	B	PC25y1d	0.00	0.00	-0.014	14.09	132.50	12.51	132.73
RB2030C	B	PC2y1d	0.00	0.00	-0.002	14.64	132.40	13.20	132.67
RB2030C	B	PC500y5d	0.00	0.00	-0.004	61.58	132.61	60.12	132.74
RB2030C	B	PC50y1d	0.00	0.00	-0.019	13.91	132.53	12.41	132.75
RB2040A	B	PC100y1d	13.74	24.20	0.060	13.74	132.58	200.00	131.42
RB2040A	B	PC100y5d	61.75	27.45	0.041	61.75	132.60	180.37	132.22
RB2040A	B	PC10y1d	14.17	11.32	0.028	14.17	132.49	200.00	130.73
RB2040A	B	PC25y1d	14.08	13.69	0.035	14.08	132.51	200.00	130.83
RB2040A	B	PC2y1d	14.63	3.54	0.008	14.63	132.41	200.00	130.38
RB2040A	B	PC500y5d	61.59	36.72	0.054	61.59	132.65	170.43	132.55
RB2040A	B	PC50y1d	13.89	18.73	0.042	13.89	132.55	200.00	131.01
RB2040B	B	PC100y1d	0.00	0.00	-0.017	13.74	132.58	12.34	132.76
RB2040B	B	PC100y5d	0.00	0.00	-0.002	61.75	132.60	60.13	132.73
RB2040B	B	PC10y1d	0.00	0.00	-0.008	14.17	132.49	12.59	132.72
RB2040B	B	PC25y1d	0.00	0.00	-0.010	14.08	132.51	12.51	132.73
RB2040B	B	PC2y1d	0.00	0.00	-0.001	14.63	132.41	13.20	132.67
RB2040B	B	PC500y5d	0.00	0.00	-0.003	61.59	132.65	60.12	132.74
RB2040B	B	PC50y1d	0.00	0.00	-0.015	13.89	132.55	12.41	132.75
RB2050A	B	PC100y1d	200.00	-0.83	-3.638	13.74	131.88	13.74	132.58
RB2050A	B	PC100y5d	169.04	2.19	-3.638	180.45	132.22	61.75	132.60
RB2050A	B	PC10y1d	200.00	-0.82	-3.638	14.17	131.84	14.17	132.49
RB2050A	B	PC25y1d	200.00	-0.83	-3.638	14.08	131.85	14.08	132.51
RB2050A	B	PC2y1d	200.00	-0.81	-3.638	14.63	131.81	14.63	132.41
RB2050A	B	PC500y5d	161.58	2.82	-3.638	168.59	132.56	61.59	132.65
RB2050A	B	PC50y1d	200.00	-0.83	-3.638	13.89	131.87	13.89	132.55
RB2050B_CD02	B	PC100y1d	14.21	15.14	0.103	200.00	131.42	200.00	131.42
RB2050B_CD02	B	PC100y5d	61.36	17.74	0.139	180.45	132.22	180.29	132.22
RB2050B_CD02	B	PC10y1d	14.38	10.08	0.103	14.24	130.75	200.00	130.73

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2050B_CD02	B	PC25y1d	14.32	11.05	0.103	14.16	130.84	200.00	130.83
RB2050B_CD02	B	PC2y1d	14.49	6.66	0.103	14.44	130.43	200.00	130.38
RB2050B_CD02	B	PC500y5d	61.24	21.13	0.145	168.59	132.56	168.39	132.56
RB2050B_CD02	B	PC50y1d	14.25	13.00	0.103	200.00	131.01	200.00	131.01
RB2050C_CD02	B	PC100y1d	14.21	15.14	0.103	200.00	131.42	200.00	131.42
RB2050C_CD02	B	PC100y5d	61.36	17.74	0.139	180.45	132.22	180.29	132.22
RB2050C_CD02	B	PC10y1d	14.38	10.08	0.103	14.24	130.75	200.00	130.73
RB2050C_CD02	B	PC25y1d	14.32	11.05	0.103	14.16	130.84	200.00	130.83
RB2050C_CD02	B	PC2y1d	14.49	6.66	0.103	14.44	130.43	200.00	130.38
RB2050C_CD02	B	PC500y5d	61.24	21.13	0.145	168.59	132.56	168.39	132.56
RB2050C_CD02	B	PC50y1d	14.25	13.00	0.103	200.00	131.01	200.00	131.01
RB2050D	B	PC100y1d	0.00	0.00	0.000	200.00	131.42	200.00	131.42
RB2050D	B	PC100y5d	0.00	0.00	0.000	180.45	132.22	180.29	132.22
RB2050D	B	PC10y1d	0.00	0.00	0.000	14.24	130.75	200.00	130.73
RB2050D	B	PC25y1d	0.00	0.00	0.000	14.16	130.84	200.00	130.83
RB2050D	B	PC2y1d	0.00	0.00	0.000	14.44	130.43	200.00	130.38
RB2050D	B	PC500y5d	0.00	0.00	0.000	168.59	132.56	168.39	132.56
RB2050D	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	200.00	131.01
RB2050E	B	PC100y1d	0.00	0.00	0.000	200.00	131.42	200.00	131.42
RB2050E	B	PC100y5d	0.00	0.00	0.000	180.45	132.22	180.37	132.22
RB2050E	B	PC10y1d	0.00	0.00	0.000	14.24	130.75	200.00	130.73
RB2050E	B	PC25y1d	0.00	0.00	0.000	14.16	130.84	200.00	130.83
RB2050E	B	PC2y1d	0.00	0.00	0.000	14.44	130.43	200.00	130.38
RB2050E	B	PC500y5d	0.00	0.00	0.000	168.59	132.56	170.43	132.55
RB2050E	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	200.00	131.01
RB2050F	B	PC100y1d	0.00	0.00	0.000	200.00	131.42	13.73	132.56
RB2050F	B	PC100y5d	0.00	0.00	0.000	180.45	132.22	61.75	132.58
RB2050F	B	PC10y1d	0.00	0.00	0.000	14.24	130.75	14.19	132.48
RB2050F	B	PC25y1d	0.00	0.00	0.000	14.16	130.84	14.09	132.50
RB2050F	B	PC2y1d	0.00	0.00	0.000	14.44	130.43	14.64	132.40
RB2050F	B	PC500y5d	0.00	0.00	0.000	168.59	132.56	61.58	132.61
RB2050F	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	13.91	132.53
RB2055A_CD01	B	PC100y1d	0.00	0.00	0.000	0.00	136.00	167.03	132.25
RB2055A_CD01	B	PC100y5d	0.00	0.00	0.000	0.00	136.00	161.00	132.63
RB2055A_CD01	B	PC10y1d	0.00	0.00	0.000	0.00	136.00	14.52	131.40
RB2055A_CD01	B	PC25y1d	0.00	0.00	0.000	0.00	136.00	14.42	131.43
RB2055A_CD01	B	PC2y1d	0.00	0.00	0.000	0.00	136.00	14.91	131.30
RB2055A_CD01	B	PC500y5d	0.00	0.00	0.000	0.00	136.00	158.02	132.72
RB2055A_CD01	B	PC50y1d	0.00	0.00	0.000	0.00	136.00	14.25	131.48
RB2070A	B	PC100y1d	136.00	0.56	-0.072	200.00	131.42	167.00	132.24
RB2070A	B	PC100y5d	208.00	11.67	-0.224	180.29	132.22	161.00	132.62
RB2070A	B	PC10y1d	125.00	0.52	-0.073	200.00	130.73	199.00	130.74
RB2070A	B	PC25y1d	119.00	0.54	-0.072	200.00	130.83	198.00	130.83
RB2070A	B	PC2y1d	97.00	0.51	-0.062	200.00	130.38	197.00	130.38
RB2070A	B	PC500y5d	116.00	15.87	-0.321	168.39	132.56	158.00	132.72

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2070A	B	PC50y1d	142.00	0.54	-0.072	200.00	131.01	198.00	131.01
RB2070B	B	PC100y1d	0.00	0.00	0.000	200.00	131.42	167.00	132.24
RB2070B	B	PC100y5d	0.00	0.00	0.005	180.29	132.22	161.00	132.62
RB2070B	B	PC10y1d	0.00	0.00	0.000	200.00	130.73	199.00	130.74
RB2070B	B	PC25y1d	0.00	0.00	0.000	200.00	130.83	198.00	130.83
RB2070B	B	PC2y1d	0.00	0.00	0.000	200.00	130.38	197.00	130.38
RB2070B	B	PC500y5d	172.44	6.61	0.037	168.39	132.56	158.00	132.72
RB2070B	B	PC50y1d	0.00	0.00	0.000	200.00	131.01	198.00	131.01
RB2112C	B	PC100y1d	140.34	88.09	-0.998	167.00	132.25	167.03	132.25
RB2112C	B	PC100y5d	130.60	33.27	-1.709	160.00	132.63	161.00	132.63
RB2112C	B	PC10y1d	0.00	0.00	-0.051	29.00	131.16	14.52	131.40
RB2112C	B	PC25y1d	0.00	0.00	-0.061	26.00	131.23	14.42	131.43
RB2112C	B	PC2y1d	0.00	0.00	-0.022	148.00	130.86	14.91	131.30
RB2112C	B	PC500y5d	126.91	26.92	-1.988	158.00	132.72	158.02	132.72
RB2112C	B	PC50y1d	0.00	0.00	-0.077	24.00	131.33	14.25	131.48
RB2120A	B	PC100y1d	0.00	0.00	0.000	167.03	132.25	200.00	131.42
RB2120A	B	PC100y5d	0.00	0.00	0.000	161.00	132.63	180.29	132.22
RB2120A	B	PC10y1d	0.00	0.00	0.000	14.52	131.40	200.00	130.73
RB2120A	B	PC25y1d	0.00	0.00	0.000	14.42	131.43	200.00	130.83
RB2120A	B	PC2y1d	0.00	0.00	0.000	14.91	131.30	200.00	130.38
RB2120A	B	PC500y5d	0.00	0.00	0.000	158.02	132.72	168.39	132.56
RB2120A	B	PC50y1d	0.00	0.00	0.000	14.25	131.48	200.00	131.01
RB2120B	B	PC100y1d	0.00	0.00	0.000	167.03	132.25	167.00	132.24
RB2120B	B	PC100y5d	0.00	0.00	0.000	161.00	132.63	161.00	132.62
RB2120B	B	PC10y1d	0.00	0.00	0.000	14.52	131.40	199.00	130.74
RB2120B	B	PC25y1d	0.00	0.00	0.000	14.42	131.43	198.00	130.83
RB2120B	B	PC2y1d	0.00	0.00	0.000	14.91	131.30	197.00	130.38
RB2120B	B	PC500y5d	0.00	0.00	0.000	158.02	132.72	158.00	132.72
RB2120B	B	PC50y1d	0.00	0.00	0.000	14.25	131.48	198.00	131.01
RB2120C	B	PC100y1d	0.00	0.00	0.000	167.03	132.25	200.00	131.42
RB2120C	B	PC100y5d	0.00	0.00	0.000	161.00	132.63	180.45	132.22
RB2120C	B	PC10y1d	0.00	0.00	0.000	14.52	131.40	14.24	130.75
RB2120C	B	PC25y1d	0.00	0.00	0.000	14.42	131.43	14.16	130.84
RB2120C	B	PC2y1d	0.00	0.00	0.000	14.91	131.30	14.44	130.43
RB2120C	B	PC500y5d	0.00	0.00	0.000	158.02	132.72	168.59	132.56
RB2120C	B	PC50y1d	0.00	0.00	0.000	14.25	131.48	200.00	131.01
RB2124B	B	PC100y1d	0.00	0.00	0.000	21.00	132.49	167.03	132.25
RB2124B	B	PC100y5d	0.00	0.00	0.000	64.00	132.83	161.00	132.63
RB2124B	B	PC10y1d	0.00	0.00	0.000	24.00	132.30	14.52	131.40
RB2124B	B	PC25y1d	0.00	0.00	0.000	24.00	132.34	14.42	131.43
RB2124B	B	PC2y1d	0.00	0.00	0.000	24.00	132.13	14.91	131.30
RB2124B	B	PC500y5d	0.00	0.00	0.000	64.00	133.27	158.02	132.72
RB2124B	B	PC50y1d	0.00	0.00	0.000	23.00	132.41	14.25	131.48

Proposed Peace River Model (Basins 1-4)  
CR 557 Widening  
Link Maximum Comparison Report

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
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Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
GWSinkB	B	PC100y1d	0.00	50.00	55.00	0.0000	0	12.11	10.65	0.00	0.00
NB0001	B	PC100y1d	25.50	139.32	143.09	0.0020	6531	12.08	1.16	0.00	0.00
NB0002	B	PC100y1d	25.50	140.57	144.59	0.0014	26078	12.08	3.21	0.00	0.00
NB0003	B	PC100y1d	12.88	142.27	146.60	0.0040	11863	12.08	6.03	11.82	3.17
NB0004	B	PC100y1d	12.10	139.11	144.09	0.0001	13508	12.08	2.92	12.10	2.89
NB0006	B	PC100y1d	12.10	139.11	144.09	0.0001	15215	12.08	4.19	12.10	4.16
NB0007	B	PC100y1d	12.09	139.11	144.09	0.0001	10476	12.08	4.17	12.09	4.14
NB0008	B	PC100y1d	12.86	138.56	143.09	0.0022	5175	12.08	1.64	12.34	0.51
NB0009	B	PC100y1d	12.09	139.12	144.09	0.0001	9526	12.08	4.57	12.09	4.53
NB0010	B	PC100y1d	23.94	131.17	135.10	0.0012	1310619	12.33	148.41	14.99	9.71
NB0011	B	PC100y1d	26.33	137.59	141.40	0.0012	15812	12.75	0.59	0.00	0.00
NB0012	B	PC100y1d	12.25	148.11	153.09	-0.0008	46486	12.08	7.88	11.98	6.71
NB0020	B	PC100y1d	22.98	138.19	141.10	0.0007	2518834	12.25	209.40	22.98	7.84
NB0023	B	PC100y1d	12.23	133.43	135.62	0.0025	59168	11.93	14.24	0.00	0.00
NB0027	B	PC100y1d	12.36	141.15	145.91	0.0012	27170	12.08	5.93	12.36	4.04
NB0028	B	PC100y1d	12.70	140.98	145.70	0.0009	81171	12.17	10.95	12.70	5.22
NB0029	B	PC100y1d	12.03	158.10	163.10	-0.0001	4365	12.17	0.49	12.17	0.49
NB0030	B	PC100y1d	200.00	131.13	134.90	0.0005	1849205	13.09	82.76	0.00	0.00
NB0031	B	PC100y1d	12.43	141.65	146.00	0.0015	30405	12.17	8.78	12.43	6.67
NB0033	B	PC100y1d	12.51	147.41	152.00	0.0013	48637	12.17	10.31	12.51	6.33
NB0038	B	PC100y1d	25.58	142.38	146.00	0.0021	51530	12.08	10.89	0.00	0.00
NB0039	B	PC100y1d	12.24	152.57	157.00	0.0013	12325	12.08	4.37	12.24	3.64
NB0040	B	PC100y1d	200.00	131.13	133.02	0.0005	43084019	12.92	1923.58	15.15	18.63
NB0042	B	PC100y1d	12.63	131.77	135.20	0.0045	67109	12.08	37.58	12.63	20.74
NB0043	B	PC100y1d	13.00	143.68	148.09	0.0011	0	0.00	0.00	0.00	0.00
NB0050	B	PC100y1d	24.00	130.24	133.60	0.0007	6	12.63	1.39	0.00	0.00
NB0102	B	PC100y1d	13.00	140.43	144.20	0.0032	0	0.00	0.00	0.00	0.00
NB2010	B	PC100y1d	14.11	132.03	136.25	0.0009	936817	12.25	95.41	0.00	0.00
NB2020	B	PC100y1d	200.00	131.42	134.60	0.0009	3737014	12.50	346.90	21.11	13.21
NB2022	B	PC100y1d	12.34	132.76	137.20	0.0009	55453	12.00	5.43	12.34	1.39
NB2030	B	PC100y1d	13.73	132.56	137.20	0.0005	153931	12.08	17.16	12.09	8.67
NB2040	B	PC100y1d	13.74	132.58	137.20	0.0006	2419281	12.33	171.99	13.77	23.79
NB2050	B	PC100y1d	200.00	131.42	134.60	0.0032	219924	12.17	56.12	14.29	22.16
NB2055	B	PC100y1d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC100y1d	200.00	131.42	134.60	0.0009	10265021	12.58	790.63	136.00	0.56
NB2112	B	PC100y1d	167.00	132.25	135.10	0.0011	0	0.00	0.00	140.34	88.09
NB2120	B	PC100y1d	167.03	132.25	136.00	0.0007	2181043	12.33	176.31	0.00	0.00
NB2124	B	PC100y1d	21.00	132.49	136.71	0.0009	0	0.00	0.00	0.00	0.00
NB2130	B	PC100y1d	167.00	132.24	134.60	0.0012	1	136.00	0.56	0.00	0.00
POND1A	B	PC100y1d	14.17	152.10	152.00	0.0100	19404	12.48	20.66	14.17	10.80
POND1B	B	PC100y1d	14.05	152.34	152.00	0.0067	29981	12.33	28.40	12.48	17.21
POND2	B	PC100y1d	13.36	134.20	133.70	0.0046	72320	12.25	44.67	13.24	17.59
POND3	B	PC100y1d	12.79	134.07	135.10	0.0020	95569	12.25	38.14	12.79	27.33
POND4	B	PC100y1d	13.10	134.47	134.70	0.0029	43614	12.58	28.87	13.10	23.24
GWSinkB	B	PC100y5d	0.00	50.00	55.00	0.0000	0	60.00	5.22	0.00	0.00
NB0001	B	PC100y5d	121.50	139.95	143.09	0.0007	7640	60.00	0.42	0.00	0.00
NB0002	B	PC100y5d	94.08	141.09	144.59	0.0006	30924	60.00	1.44	94.08	0.06
NB0003	B	PC100y5d	66.13	142.80	146.60	0.0012	17857	60.00	2.60	60.13	1.27
NB0004	B	PC100y5d	60.02	139.10	144.09	0.0000	13474	60.00	1.30	60.02	1.29

Proposed Peace Creek Model (Basins 1-4)  
CR 557 Widening  
Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0006	B	PC100y5d	60.02	139.10	144.09	0.0000	15185	60.00	1.85	60.02	1.84
NB0007	B	PC100y5d	60.01	139.10	144.09	0.0000	10448	60.00	1.88	60.01	1.88
NB0008	B	PC100y5d	65.38	138.35	143.09	0.0006	4805	64.00	0.67	60.12	0.45
NB0009	B	PC100y5d	60.01	139.11	144.09	0.0000	9466	60.00	2.11	60.01	2.10
NB0010	B	PC100y5d	185.06	131.85	135.10	0.0007	1624497	60.17	110.17	61.63	13.27
NB0011	B	PC100y5d	122.33	138.70	141.40	0.0018	55283	60.08	1.63	0.00	0.00
NB0012	B	PC100y5d	60.00	148.09	153.09	-0.0002	10756	60.00	3.27	60.00	3.27
NB0020	B	PC100y5d	67.98	138.46	141.10	0.0005	2539331	60.17	123.47	67.98	8.23
NB0023	B	PC100y5d	60.13	133.31	135.62	0.0006	58204	59.33	3.30	0.00	0.00
NB0027	B	PC100y5d	60.21	141.05	145.91	0.0002	26643	60.00	2.06	60.21	1.88
NB0028	B	PC100y5d	60.87	140.90	145.70	0.0002	80054	60.08	4.21	60.87	3.18
NB0029	B	PC100y5d	60.08	158.10	163.10	0.0000	4361	60.08	0.25	60.08	0.25
NB0030	B	PC100y5d	184.92	131.85	134.90	0.0004	1890890	61.40	71.45	0.00	0.00
NB0031	B	PC100y5d	60.18	141.59	146.00	0.0004	29861	60.00	5.13	60.18	4.78
NB0033	B	PC100y5d	60.39	147.30	152.00	0.0003	47643	60.08	3.89	60.39	3.32
NB0038	B	PC100y5d	65.14	142.96	146.00	0.0008	54255	60.00	4.20	65.14	1.92
NB0039	B	PC100y5d	60.12	152.47	157.00	0.0002	11937	60.00	1.52	60.12	1.48
NB0040	B	PC100y5d	184.91	131.85	133.02	0.0004	44084684	61.08	1573.86	66.91	8.71
NB0042	B	PC100y5d	184.95	131.85	135.20	0.0013	69737	60.00	18.52	60.49	14.93
NB0043	B	PC100y5d	65.00	143.82	148.09	0.0006	0	0.00	0.00	0.00	0.00
NB0050	B	PC100y5d	68.00	130.64	133.60	0.0005	86	184.95	1.73	0.00	0.00
NB0102	B	PC100y5d	64.00	140.90	144.20	0.0019	0	0.00	0.00	0.00	0.00
NB2010	B	PC100y5d	180.38	132.22	136.25	0.0003	991795	59.67	24.18	0.00	0.00
NB2020	B	PC100y5d	180.37	132.22	134.60	0.0009	3960771	60.48	298.14	67.17	29.25
NB2022	B	PC100y5d	60.13	132.73	137.20	0.0001	54021	59.42	1.27	60.13	0.82
NB2030	B	PC100y5d	61.75	132.58	137.20	0.0003	154313	60.00	9.26	60.04	4.76
NB2040	B	PC100y5d	61.75	132.60	137.20	0.0003	2422243	60.08	89.69	61.78	26.87
NB2050	B	PC100y5d	180.45	132.22	134.60	0.0032	229640	60.08	45.43	61.31	27.01
NB2055	B	PC100y5d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC100y5d	180.29	132.22	134.60	0.0006	10586639	60.50	625.89	208.00	11.67
NB2112	B	PC100y5d	160.00	132.63	135.10	0.0006	0	0.00	0.00	130.60	33.27
NB2120	B	PC100y5d	161.00	132.63	136.00	0.0006	2186998	61.00	124.05	0.00	0.00
NB2124	B	PC100y5d	64.00	132.83	136.71	0.0005	0	0.00	0.00	0.00	0.00
NB2130	B	PC100y5d	161.00	132.62	134.60	0.0009	1	208.00	11.67	0.00	0.00
POND1A	B	PC100y5d	61.99	152.80	152.00	0.0025	20926	61.00	21.43	61.99	19.36
POND1B	B	PC100y5d	61.59	153.58	152.00	0.0036	35894	60.17	25.59	61.27	19.07
POND2	B	PC100y5d	61.81	134.82	133.70	0.0023	81717	60.08	32.53	61.48	17.91
POND3	B	PC100y5d	60.77	133.94	135.10	0.0007	94909	60.17	24.03	60.77	21.24
POND4	B	PC100y5d	61.21	134.49	134.70	0.0014	43716	60.42	25.22	61.21	24.04
GWSinkB	B	PC10y1d	0.00	50.00	55.00	0.0000	0	12.00	10.57	0.00	0.00
NB0001	B	PC10y1d	25.50	138.96	143.09	0.0013	5896	12.08	0.65	0.00	0.00
NB0002	B	PC10y1d	25.50	140.32	144.59	0.0011	23742	12.08	2.20	0.00	0.00
NB0003	B	PC10y1d	12.73	141.75	146.60	0.0021	6056	12.08	3.99	12.00	5.15
NB0004	B	PC10y1d	12.10	139.10	144.09	0.0001	13489	12.08	1.99	12.10	1.96
NB0006	B	PC10y1d	12.10	139.11	144.09	0.0001	15198	12.08	2.83	12.10	2.80
NB0007	B	PC10y1d	12.09	139.11	144.09	0.0001	10461	12.08	2.88	12.09	2.86
NB0008	B	PC10y1d	12.62	138.27	143.09	0.0011	4665	12.08	0.99	12.36	0.50
NB0009	B	PC10y1d	12.09	139.11	144.09	0.0001	9495	12.08	3.22	12.09	3.20
NB0010	B	PC10y1d	199.99	130.87	135.10	0.0013	1134621	12.33	104.63	14.74	5.72

Dewberry Engineers, Inc.  
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Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0011	B	PC10y1d	26.33	136.72	141.40	0.0002	5501	19.67	0.09	0.00	0.00
NB0012	B	PC10y1d	12.08	148.09	153.09	0.0000	12674	12.08	5.01	12.08	5.01
NB0020	B	PC10y1d	19.87	137.98	141.10	0.0006	2502513	12.25	150.70	19.87	7.44
NB0023	B	PC10y1d	12.40	133.34	135.62	0.0039	58390	12.00	21.76	0.00	0.00
NB0027	B	PC10y1d	12.41	141.07	145.91	0.0006	26734	12.08	3.16	12.41	2.21
NB0028	B	PC10y1d	12.78	140.89	145.70	0.0006	79887	12.17	5.95	12.78	2.91
NB0029	B	PC10y1d	12.17	158.10	163.10	0.0000	4363	12.17	0.35	12.17	0.35
NB0030	B	PC10y1d	200.00	130.87	134.90	0.0003	1828595	13.12	57.28	0.00	0.00
NB0031	B	PC10y1d	12.44	141.52	146.00	0.0011	29327	12.08	4.77	12.44	3.15
NB0033	B	PC10y1d	12.57	147.31	152.00	0.0007	47705	12.08	5.56	12.57	3.49
NB0038	B	PC10y1d	25.58	141.95	146.00	0.0013	49479	12.08	6.29	0.00	0.00
NB0039	B	PC10y1d	12.27	152.49	157.00	0.0007	12035	12.08	2.33	12.27	1.96
NB0040	B	PC10y1d	200.00	130.87	133.02	0.0004	42119206	12.92	1364.85	15.16	13.77
NB0042	B	PC10y1d	12.61	131.48	135.20	0.0038	57922	12.08	27.14	12.61	15.30
NB0043	B	PC10y1d	13.00	143.43	148.09	0.0007	0	0.00	0.00	0.00	0.00
NB0050	B	PC10y1d	25.00	130.03	133.60	0.0005	6	12.61	0.48	0.00	0.00
NB0102	B	PC10y1d	13.00	139.50	144.20	-0.0008	0	0.00	0.00	0.00	0.00
NB2010	B	PC10y1d	16.90	131.92	136.25	0.0008	905762	12.25	68.41	0.00	0.00
NB2020	B	PC10y1d	200.00	130.73	134.60	0.0006	3602945	12.42	225.96	21.78	3.39
NB2022	B	PC10y1d	12.59	132.72	137.20	0.0011	53637	12.08	5.42	12.59	0.70
NB2030	B	PC10y1d	14.19	132.48	137.20	0.0005	152094	12.08	12.40	12.02	6.20
NB2040	B	PC10y1d	14.17	132.49	137.20	0.0005	2404533	12.33	125.13	14.20	11.09
NB2050	B	PC10y1d	14.24	130.75	134.60	0.0032	202956	12.08	33.61	14.42	13.45
NB2055	B	PC10y1d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC10y1d	200.00	130.73	134.60	0.0006	9818261	12.58	542.45	125.00	0.52
NB2112	B	PC10y1d	29.00	131.16	135.10	0.0008	0	0.00	0.00	0.00	0.00
NB2120	B	PC10y1d	14.52	131.40	136.00	0.0006	2160718	12.25	123.62	0.00	0.00
NB2124	B	PC10y1d	24.00	132.30	136.71	0.0006	0	0.00	0.00	0.00	0.00
NB2130	B	PC10y1d	199.00	130.74	134.60	0.0009	9	125.00	0.52	0.00	0.00
POND1A	B	PC10y1d	15.01	151.14	152.00	0.0082	17310	12.93	11.50	15.01	3.89
POND1B	B	PC10y1d	14.94	151.17	152.00	0.0057	24554	12.42	15.38	13.00	10.70
POND2	B	PC10y1d	13.51	133.51	133.70	0.0036	69290	12.25	26.42	13.51	9.76
POND3	B	PC10y1d	12.85	133.88	135.10	0.0017	94554	12.25	26.35	12.85	18.05
POND4	B	PC10y1d	13.27	134.06	134.70	0.0028	42190	12.58	17.34	13.27	12.98
GWSinkB	B	PC25y1d	0.00	50.00	55.00	0.0000	0	12.07	10.39	0.00	0.00
NB0001	B	PC25y1d	25.50	139.02	143.09	0.0014	6001	12.08	0.70	0.00	0.00
NB0002	B	PC25y1d	25.50	140.37	144.59	0.0012	24205	12.08	2.37	0.00	0.00
NB0003	B	PC25y1d	12.76	141.85	146.60	0.0020	7154	12.08	4.29	12.07	4.22
NB0004	B	PC25y1d	12.10	139.11	144.09	0.0001	13492	12.08	2.14	12.10	2.12
NB0006	B	PC25y1d	12.10	139.11	144.09	0.0001	15201	12.08	3.04	12.10	3.02
NB0007	B	PC25y1d	12.09	139.11	144.09	0.0001	10464	12.08	3.10	12.09	3.08
NB0008	B	PC25y1d	12.70	138.30	143.09	0.0013	4733	12.08	1.06	12.40	0.50
NB0009	B	PC25y1d	12.09	139.12	144.09	0.0001	9501	12.08	3.47	12.09	3.45
NB0010	B	PC25y1d	24.35	130.93	135.10	0.0013	1167114	12.33	112.73	14.78	6.44
NB0011	B	PC25y1d	26.33	136.97	141.40	0.0003	6059	16.75	0.13	0.00	0.00
NB0012	B	PC25y1d	12.08	148.09	153.09	0.0000	13053	12.08	5.40	12.08	5.40
NB0020	B	PC25y1d	20.30	138.02	141.10	0.0006	2505697	12.25	162.29	20.30	7.53
NB0023	B	PC25y1d	12.35	133.36	135.62	0.0036	58594	12.00	20.42	0.00	0.00
NB0027	B	PC25y1d	12.40	141.08	145.91	0.0007	26784	12.08	3.41	12.40	2.40

Dewberry Engineers, Inc.  
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Proposed Peace Creek Model (Basins 1-4)  
 CR 557 Widening  
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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0028	B	PC25y1d	12.77	140.90	145.70	0.0006	80049	12.17	6.41	12.77	3.17
NB0029	B	PC25y1d	12.17	158.10	163.10	0.0000	4363	12.17	0.38	12.17	0.38
NB0030	B	PC25y1d	200.00	130.92	134.90	0.0004	1834833	13.10	62.33	0.00	0.00
NB0031	B	PC25y1d	12.42	141.54	146.00	0.0011	29455	12.08	5.14	12.42	3.52
NB0033	B	PC25y1d	12.56	147.32	152.00	0.0008	47817	12.08	5.99	12.56	3.80
NB0038	B	PC25y1d	25.58	142.02	146.00	0.0014	49817	12.08	6.78	0.00	0.00
NB0039	B	PC25y1d	12.26	152.50	157.00	0.0007	12067	12.08	2.51	12.26	2.13
NB0040	B	PC25y1d	200.00	130.92	133.02	0.0004	42437810	12.92	1473.92	15.15	14.90
NB0042	B	PC25y1d	12.62	131.54	135.20	0.0039	59864	12.08	29.23	12.62	16.38
NB0043	B	PC25y1d	13.00	143.47	148.09	0.0007	0	0.00	0.00	0.00	0.00
NB0050	B	PC25y1d	24.00	130.07	133.60	0.0005	6	12.62	0.63	0.00	0.00
NB0102	B	PC25y1d	13.00	139.62	144.20	-0.0012	0	0.00	0.00	0.00	0.00
NB2010	B	PC25y1d	15.78	131.94	136.25	0.0009	911498	12.25	73.68	0.00	0.00
NB2020	B	PC25y1d	200.00	130.83	134.60	0.0007	3609028	12.50	246.61	21.80	5.18
NB2022	B	PC25y1d	12.51	132.73	137.20	0.0011	54080	12.08	5.57	12.51	0.84
NB2030	B	PC25y1d	14.09	132.50	137.20	0.0005	152515	12.08	13.35	12.02	6.68
NB2040	B	PC25y1d	14.08	132.51	137.20	0.0006	2407735	12.33	134.47	14.11	13.43
NB2050	B	PC25y1d	14.16	130.84	134.60	0.0032	207379	12.08	36.64	14.37	15.09
NB2055	B	PC25y1d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC25y1d	200.00	130.83	134.60	0.0007	9915857	12.58	587.54	119.00	0.54
NB2112	B	PC25y1d	26.00	131.23	135.10	0.0008	0	0.00	0.00	0.00	0.00
NB2120	B	PC25y1d	14.42	131.43	136.00	0.0006	2161445	12.25	132.43	0.00	0.00
NB2124	B	PC25y1d	24.00	132.34	136.71	0.0007	0	0.00	0.00	0.00	0.00
NB2130	B	PC25y1d	198.00	130.83	134.60	0.0009	1	119.00	0.54	0.00	0.00
POND1A	B	PC25y1d	14.78	151.35	152.00	0.0093	17760	12.88	13.59	14.78	5.02
POND1B	B	PC25y1d	14.69	151.40	152.00	0.0061	25580	12.42	17.86	12.89	12.58
POND2	B	PC25y1d	13.44	133.64	133.70	0.0040	69871	12.25	29.97	13.44	11.56
POND3	B	PC25y1d	12.83	133.92	135.10	0.0018	94767	12.25	28.72	12.83	19.95
POND4	B	PC25y1d	13.22	134.14	134.70	0.0029	42491	12.58	19.59	13.22	14.98
GWSinkB	B	PC2y1d	0.00	50.00	55.00	0.0000	0	12.08	6.96	0.00	0.00
NB0001	B	PC2y1d	25.50	138.72	143.09	0.0009	5459	12.08	0.45	0.00	0.00
NB0002	B	PC2y1d	25.50	140.11	144.59	0.0008	21790	12.08	1.52	0.00	0.00
NB0003	B	PC2y1d	12.08	141.60	146.60	-0.0006	4391	12.08	2.76	12.08	2.76
NB0004	B	PC2y1d	12.10	139.10	144.09	0.0000	13475	12.08	1.37	12.10	1.36
NB0006	B	PC2y1d	12.10	139.10	144.09	0.0001	15186	12.08	1.96	12.10	1.94
NB0007	B	PC2y1d	12.10	139.11	144.09	0.0001	10449	12.08	2.00	12.10	1.98
NB0008	B	PC2y1d	12.39	138.13	143.09	-0.0005	4431	12.08	0.68	11.91	0.50
NB0009	B	PC2y1d	12.10	139.11	144.09	0.0001	9469	12.08	2.23	12.10	2.21
NB0010	B	PC2y1d	199.99	130.66	135.10	0.0011	1007881	12.33	72.44	14.69	2.59
NB0011	B	PC2y1d	0.00	136.40	141.40	0.0000	4800	0.00	0.00	0.00	0.00
NB0012	B	PC2y1d	12.08	148.09	153.09	0.0000	10994	12.08	3.47	12.08	3.47
NB0020	B	PC2y1d	18.05	137.82	141.10	0.0004	2487698	12.25	104.35	18.05	6.14
NB0023	B	PC2y1d	12.81	133.18	135.62	0.0035	57072	12.08	18.87	0.00	0.00
NB0027	B	PC2y1d	12.44	141.03	145.91	0.0005	26522	12.08	2.19	12.44	1.46
NB0028	B	PC2y1d	12.84	140.84	145.70	0.0004	79206	12.17	4.12	12.84	1.88
NB0029	B	PC2y1d	12.17	158.10	163.10	0.0000	4361	12.17	0.25	12.17	0.25
NB0030	B	PC2y1d	200.00	130.66	134.90	0.0002	1794904	13.29	36.74	0.00	0.00
NB0031	B	PC2y1d	12.67	141.45	146.00	0.0011	28699	12.08	3.30	12.67	1.55
NB0033	B	PC2y1d	12.62	147.25	152.00	0.0006	47225	12.08	3.85	12.62	2.26

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 CR 557 Widening  
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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0038	B	PC2y1d	25.58	141.66	146.00	0.0009	48106	12.08	4.36	0.00	0.00
NB0039	B	PC2y1d	12.38	152.45	157.00	0.0010	11871	12.08	1.61	12.38	1.17
NB0040	B	PC2y1d	200.00	130.66	133.02	0.0002	40844837	12.92	937.49	15.18	9.34
NB0042	B	PC2y1d	12.59	131.23	135.20	0.0031	47902	12.08	18.79	12.59	10.98
NB0043	B	PC2y1d	13.00	143.28	148.09	0.0004	0	0.00	0.00	0.00	0.00
NB0050	B	PC2y1d	25.00	129.85	133.60	0.0003	6	12.59	0.05	0.00	0.00
NB0102	B	PC2y1d	12.00	139.20	144.20	0.0000	0	0.00	0.00	0.00	0.00
NB2010	B	PC2y1d	25.87	131.83	136.25	0.0006	879580	12.25	47.36	0.00	0.00
NB2020	B	PC2y1d	200.00	130.38	134.60	0.0004	3579458	12.42	148.78	21.16	0.36
NB2022	B	PC2y1d	13.20	132.67	137.20	0.0009	51223	12.08	3.82	13.20	0.18
NB2030	B	PC2y1d	14.64	132.40	137.20	0.0004	150187	12.08	8.58	12.04	4.28
NB2040	B	PC2y1d	14.63	132.41	137.20	0.0004	2390410	12.33	87.40	14.66	3.41
NB2050	B	PC2y1d	14.44	130.43	134.60	0.0032	186181	12.08	21.33	14.47	7.61
NB2055	B	PC2y1d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC2y1d	200.00	130.38	134.60	0.0004	9441538	12.58	372.00	97.00	0.51
NB2112	B	PC2y1d	148.00	130.86	135.10	0.0005	0	0.00	0.00	0.00	0.00
NB2120	B	PC2y1d	14.91	131.30	136.00	0.0004	2157829	12.33	87.53	0.00	0.00
NB2124	B	PC2y1d	24.00	132.13	136.71	0.0004	0	0.00	0.00	0.00	0.00
NB2130	B	PC2y1d	197.00	130.38	134.60	0.0006	19	97.00	0.51	0.00	0.00
POND1A	B	PC2y1d	21.52	150.37	152.00	0.0037	15622	13.26	4.28	21.52	0.72
POND1B	B	PC2y1d	21.50	150.37	152.00	0.0033	20882	12.42	6.47	13.30	3.96
POND2	B	PC2y1d	13.98	132.97	133.70	0.0020	66969	12.25	13.07	13.98	3.71
POND3	B	PC2y1d	12.98	133.70	135.10	0.0013	93607	12.33	16.87	12.98	10.44
POND4	B	PC2y1d	13.65	133.69	134.70	0.0019	40928	12.67	8.86	13.65	5.73
GWSinkB	B	PC500y5d	0.00	50.00	55.00	0.0000	0	59.44	5.09	0.00	0.00
NB0001	B	PC500y5d	121.50	140.24	143.09	0.0008	8144	60.00	0.51	0.00	0.00
NB0002	B	PC500y5d	64.09	141.09	144.59	0.0006	30944	60.00	1.72	64.09	0.28
NB0003	B	PC500y5d	64.71	143.75	146.60	0.0021	28514	61.08	6.33	61.22	2.08
NB0004	B	PC500y5d	60.02	139.10	144.09	0.0000	13480	60.00	1.56	60.02	1.55
NB0006	B	PC500y5d	60.01	139.10	144.09	0.0000	15190	60.00	2.21	60.01	2.21
NB0007	B	PC500y5d	60.01	139.11	144.09	0.0000	10453	60.00	2.26	60.01	2.26
NB0008	B	PC500y5d	64.34	140.31	143.09	0.0038	8260	61.08	2.77	64.34	0.67
NB0009	B	PC500y5d	61.01	139.11	144.09	0.0001	9481	61.00	2.67	61.01	2.66
NB0010	B	PC500y5d	188.81	132.18	135.10	0.0008	1703323	60.08	124.68	60.91	13.51
NB0011	B	PC500y5d	97.30	139.38	141.40	0.0010	82222	63.17	2.29	0.00	0.00
NB0012	B	PC500y5d	62.17	148.24	153.09	-0.0008	47215	60.00	3.93	59.43	3.31
NB0020	B	PC500y5d	68.71	138.71	141.10	0.0006	2555430	60.17	148.16	68.71	8.55
NB0023	B	PC500y5d	60.11	133.35	135.62	0.0007	58469	59.33	3.70	0.00	0.00
NB0027	B	PC500y5d	60.20	141.07	145.91	0.0002	26750	60.00	2.48	60.20	2.27
NB0028	B	PC500y5d	60.78	140.93	145.70	0.0003	80456	60.08	5.05	60.78	3.88
NB0029	B	PC500y5d	60.08	158.10	163.10	0.0000	4362	60.08	0.30	60.08	0.30
NB0030	B	PC500y5d	188.71	132.18	134.90	0.0005	1913310	61.35	88.27	0.00	0.00
NB0031	B	PC500y5d	60.17	141.62	146.00	0.0005	30154	60.00	6.15	60.17	5.78
NB0033	B	PC500y5d	60.36	147.33	152.00	0.0003	47898	60.08	4.67	60.36	4.03
NB0038	B	PC500y5d	62.06	143.19	146.00	0.0018	55381	61.08	11.91	62.06	8.22
NB0039	B	PC500y5d	61.16	152.54	157.00	0.0004	12197	61.08	3.01	61.16	2.85
NB0040	B	PC500y5d	188.70	132.18	133.02	0.0005	44405512	61.17	1889.47	65.06	16.19
NB0042	B	PC500y5d	188.76	132.18	135.20	0.0014	78090	60.00	22.23	60.48	17.94
NB0043	B	PC500y5d	65.00	144.13	148.09	0.0007	0	0.00	0.00	0.00	0.00

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB0050	B	PC500y5d	69.00	130.94	133.60	0.0005	104	188.76	3.41	0.00	0.00
NB0102	B	PC500y5d	65.00	141.22	144.20	0.0024	0	0.00	0.00	0.00	0.00
NB2010	B	PC500y5d	170.44	132.55	136.25	0.0004	1074883	63.24	36.53	0.00	0.00
NB2020	B	PC500y5d	170.43	132.55	134.60	0.0011	4072898	60.45	370.13	63.30	47.54
NB2022	B	PC500y5d	60.12	132.74	137.20	0.0002	54491	59.42	1.47	60.12	0.99
NB2030	B	PC500y5d	61.58	132.61	137.20	0.0003	155173	60.00	11.11	60.09	6.54
NB2040	B	PC500y5d	61.59	132.65	137.20	0.0004	2429117	60.08	103.25	61.62	35.98
NB2050	B	PC500y5d	168.59	132.56	134.60	0.0032	247061	60.08	55.05	61.21	32.88
NB2055	B	PC500y5d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC500y5d	168.39	132.56	134.60	0.0008	10869525	60.50	759.68	102.87	19.57
NB2112	B	PC500y5d	158.00	132.72	135.10	0.0006	0	0.00	0.00	126.91	26.92
NB2120	B	PC500y5d	158.02	132.72	136.00	0.0007	2188545	59.83	146.28	0.00	0.00
NB2124	B	PC500y5d	64.00	133.27	136.71	0.0005	0	0.00	0.00	0.00	0.00
NB2130	B	PC500y5d	158.00	132.72	134.60	0.0010	1	102.87	19.57	0.00	0.00
POND1A	B	PC500y5d	62.48	153.78	152.00	-0.0023	23051	60.72	24.10	62.48	19.79
POND1B	B	PC500y5d	62.12	154.61	152.00	0.0038	40856	60.17	32.37	60.90	21.06
POND2	B	PC500y5d	62.20	135.46	133.70	0.0031	119453	60.08	40.36	61.59	18.85
POND3	B	PC500y5d	60.71	134.03	135.10	0.0008	95389	60.17	28.97	60.71	25.82
POND4	B	PC500y5d	61.24	134.72	134.70	0.0016	44499	60.42	31.19	61.24	29.54
GWSinkB	B	PC50y1d	0.00	50.00	55.00	0.0000	0	12.08	10.13	0.00	0.00
NB0001	B	PC50y1d	25.50	139.14	143.09	0.0015	6205	12.08	0.80	0.00	0.00
NB0002	B	PC50y1d	25.50	140.46	144.59	0.0013	25106	12.08	2.71	0.00	0.00
NB0003	B	PC50y1d	12.82	142.04	146.60	0.0032	9313	12.08	4.91	11.94	3.96
NB0004	B	PC50y1d	12.10	139.11	144.09	0.0001	13499	12.08	2.44	12.10	2.42
NB0006	B	PC50y1d	12.09	139.11	144.09	0.0001	15207	12.08	3.48	12.09	3.45
NB0007	B	PC50y1d	12.09	139.11	144.09	0.0001	10469	12.08	3.55	12.09	3.52
NB0008	B	PC50y1d	12.76	138.39	143.09	0.0016	4878	12.08	1.22	12.46	0.50
NB0009	B	PC50y1d	12.09	139.12	144.09	0.0001	9513	12.08	3.97	12.09	3.94
NB0010	B	PC50y1d	24.20	131.05	135.10	0.0014	1239560	12.33	129.77	14.98	8.09
NB0011	B	PC50y1d	26.33	137.37	141.40	0.0006	10556	14.08	0.28	0.00	0.00
NB0012	B	PC50y1d	12.08	148.09	153.09	-0.0004	13775	12.08	6.17	12.08	6.17
NB0020	B	PC50y1d	21.17	138.10	141.10	0.0007	2512156	12.25	185.47	21.17	7.69
NB0023	B	PC50y1d	12.27	133.40	135.62	0.0030	58918	11.96	16.89	0.00	0.00
NB0027	B	PC50y1d	12.39	141.10	145.91	0.0007	26881	12.08	3.89	12.39	2.79
NB0028	B	PC50y1d	12.75	140.93	145.70	0.0007	80365	12.17	7.32	12.75	3.72
NB0029	B	PC50y1d	12.17	158.10	163.10	-0.0001	4365	12.17	0.44	12.17	0.44
NB0030	B	PC50y1d	200.00	131.03	134.90	0.0004	1842013	13.09	72.52	0.00	0.00
NB0031	B	PC50y1d	12.48	141.58	146.00	0.0011	29794	12.08	5.87	12.48	4.57
NB0033	B	PC50y1d	12.55	147.34	152.00	0.0009	48033	12.08	6.85	12.55	4.42
NB0038	B	PC50y1d	25.58	142.16	146.00	0.0016	50485	12.08	7.74	0.00	0.00
NB0039	B	PC50y1d	12.26	152.52	157.00	0.0008	12127	12.08	2.87	12.26	2.45
NB0040	B	PC50y1d	200.00	131.03	133.02	0.0004	42935487	12.93	1695.62	15.15	16.52
NB0042	B	PC50y1d	12.62	131.66	135.20	0.0042	63582	12.08	33.40	12.62	18.56
NB0043	B	PC50y1d	13.00	143.54	148.09	0.0008	0	0.00	0.00	0.00	0.00
NB0050	B	PC50y1d	24.00	130.16	133.60	0.0006	6	12.62	0.99	0.00	0.00
NB0102	B	PC50y1d	13.00	139.86	144.20	-0.0018	0	0.00	0.00	0.00	0.00
NB2010	B	PC50y1d	14.58	131.99	136.25	0.0010	925174	12.25	84.26	0.00	0.00
NB2020	B	PC50y1d	200.00	131.01	134.60	0.0007	3624187	12.50	293.24	21.42	9.07
NB2022	B	PC50y1d	12.41	132.75	137.20	0.0011	54841	12.00	5.66	12.41	1.12

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NB2030	B	PC50y1d	13.91	132.53	137.20	0.0006	153260	12.08	15.26	12.01	7.62
NB2040	B	PC50y1d	13.89	132.55	137.20	0.0006	2413699	12.33	153.33	13.93	18.40
NB2050	B	PC50y1d	200.00	131.01	134.60	0.0032	215222	12.33	46.76	14.31	18.41
NB2055	B	PC50y1d	0.00	136.00	141.00	0.0000	436	0.00	0.00	0.00	0.00
NB2070	B	PC50y1d	200.00	131.01	134.60	0.0007	10101527	12.58	684.31	142.00	0.54
NB2112	B	PC50y1d	24.00	131.33	135.10	0.0009	0	0.00	0.00	0.00	0.00
NB2120	B	PC50y1d	14.25	131.48	136.00	0.0007	2162821	12.33	153.88	0.00	0.00
NB2124	B	PC50y1d	23.00	132.41	136.71	0.0008	0	0.00	0.00	0.00	0.00
NB2130	B	PC50y1d	198.00	131.01	134.60	0.0011	1	142.00	0.54	0.00	0.00
POND1A	B	PC50y1d	14.50	151.76	152.00	0.0100	18643	12.66	17.58	14.50	7.46
POND1B	B	PC50y1d	14.36	151.87	152.00	0.0069	27738	12.42	23.03	12.66	15.61
POND2	B	PC50y1d	13.29	133.89	133.70	0.0047	70970	12.25	37.24	13.24	15.65
POND3	B	PC50y1d	12.80	133.99	135.10	0.0021	95174	12.25	33.44	12.80	23.74
POND4	B	PC50y1d	13.15	134.31	134.70	0.0031	43067	12.58	24.19	13.15	19.07

## Proposed Polk City Model Results





Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

Rainfall Amount(in): 0.000      Time of Conc(min): 92.06  
 Area(ac): 24.500      Time Shift(hrs): 0.00  
 Curve Number: 81.12      Max Allowable Q(cfs): 999999.000  
 DCIA(%): 0.00

Name: HH8102      Node: NHH8102      Status: Onsite  
 Group: BASE      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256      Peaking Factor: 256.0  
 Rainfall File: HH8102      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000      Time of Conc(min): 45.21  
                                          Time Shift(hrs): 0.00  
                                          Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.156	0.000	0.00	0.000	13.039	0.852	11.811
0.019	0.000	0.00	0.095	13.039	0.375	2.047
0.296	0.000	0.00	3.165	13.039	0.385	2.047
1.837	0.000	0.00	3.165	13.039	0.385	2.047
3.395	0.000	0.00	1.100	12.992	0.380	4.331

Name: HH8105      Node: NH8105      Status: Onsite  
 Group: BASE      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256      Peaking Factor: 256.0  
 Rainfall File: HH8105      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000      Time of Conc(min): 35.52  
                                          Time Shift(hrs): 0.00  
                                          Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.136	0.000	0.00	0.000	13.039	0.366	2.047
3.961	100.000	100.00	0.000	13.039	0.366	2.047
0.004	0.000	0.00	0.000	13.039	0.366	2.047
1.644	25.000	25.00	0.000	13.039	0.366	2.047
3.228	0.000	0.00	0.000	13.039	0.366	2.047
0.806	0.000	0.00	0.000	13.039	0.366	2.047
5.158	0.000	0.00	0.000	13.039	0.366	2.047
0.234	0.000	0.00	0.000	13.039	0.366	2.047
3.906	100.000	100.00	0.000	13.039	0.366	2.047
6.624	0.000	0.00	0.000	13.039	0.641	11.811
0.026	0.000	0.00	0.000	13.039	0.641	11.811
1.276	0.000	0.00	0.000	13.039	0.641	11.811
0.062	100.000	100.00	0.000	13.039	0.641	11.811
46.652	100.000	100.00	0.000	13.039	0.641	11.811
0.389	0.000	0.00	0.000	13.039	0.641	11.811
0.000	25.000	25.00	0.000	13.039	0.641	11.811
0.159	0.000	0.00	0.000	13.039	0.852	11.811
2.502	100.000	100.00	0.000	13.039	0.852	11.811
0.650	0.000	0.00	0.000	13.039	0.852	11.811
5.263	0.000	0.00	0.000	13.039	0.852	11.811
93.852	100.000	100.00	0.000	13.039	0.852	11.811
0.280	25.000	25.00	0.000	13.039	0.852	11.811
1.603	0.000	0.00	0.071	13.039	0.401	2.047
0.348	100.000	100.00	0.071	13.039	0.401	2.047
1.249	25.000	25.00	0.071	13.039	0.401	2.047
0.446	0.000	0.00	3.165	13.039	0.385	2.047
0.034	100.000	100.00	3.165	13.039	0.385	2.047
0.436	25.000	25.00	3.165	13.039	0.385	2.047
0.364	0.000	0.00	0.000	13.039	0.366	2.047
0.095	100.000	100.00	0.000	13.039	0.409	2.047
0.129	100.000	100.00	0.000	13.039	0.409	2.047
0.699	0.000	0.00	0.000	13.039	0.409	2.047
1.277	0.000	0.00	5.142	13.039	0.391	2.047
0.039	100.000	100.00	5.142	13.039	0.391	2.047

Dewberry Engineers, Inc.  
01/23/2023

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6.557	25.000	25.00	5.142	13.039	0.391	2.047
12.280	0.000	0.00	2.673	13.039	0.376	2.047
5.429	0.000	0.00	2.673	13.039	0.376	2.047
0.978	100.000	100.00	2.673	13.039	0.376	2.047
1.787	0.000	0.00	0.095	13.039	0.375	2.047
0.586	0.000	0.00	0.095	13.039	0.375	2.047
0.504	100.000	100.00	0.095	13.039	0.375	2.047
0.754	0.000	0.00	0.000	13.039	0.641	11.811
0.986	0.000	0.00	0.000	13.039	0.641	11.811
11.195	100.000	100.00	0.000	13.039	0.641	11.811
1.280	0.000	0.00	0.000	13.039	0.641	11.811
7.014	0.000	0.00	0.000	13.039	0.641	11.811
6.143	100.000	100.00	0.000	13.039	0.641	11.811
7.494	25.000	20.00	3.165	13.039	0.385	2.047
10.758	0.000	0.00	3.165	13.039	0.385	2.047
5.427	0.000	0.00	3.165	13.039	0.385	2.047
3.449	0.000	0.00	3.165	13.039	0.385	2.047
0.118	0.000	0.00	0.091	13.039	0.376	2.047
14.348	0.000	0.00	0.091	13.039	0.376	2.047
4.463	100.000	100.00	0.091	13.039	0.376	2.047
3.642	0.000	0.00	2.673	13.039	0.376	2.047
1.031	25.000	25.00	2.673	13.039	0.376	2.047
0.025	0.000	0.00	1.100	12.992	0.380	4.331
1.032	0.000	0.00	1.310	13.039	0.378	2.047
0.065	0.000	0.00	3.165	13.039	0.385	2.047
0.005	0.000	0.00	0.000	39.370	0.720	0.394
0.077	100.000	100.00	0.000	39.370	0.720	0.394

Name: HH81052 Node: NHH81052 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81052 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000 Time of Conc(min): 20.56  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.020	25.000	25.00	3.165	13.039	0.385	2.047
0.028	0.000	0.00	5.142	13.039	0.391	2.047
0.747	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH81053 Node: NHH81053 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81053 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000 Time of Conc(min): 25.90  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
3.648	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH81054 Node: NHH81054 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81054 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000 Time of Conc(min): 34.69  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

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Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.544	0.000	0.00	5.142	13.039	0.391	2.047
5.548	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8116 Node: NHH8116 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8116 Storm Duration (hrs): 24.00  
Rainfall Amount (in): 10.000 Time of Conc (min): 29.57  
Time Shift (hrs): 0.00  
Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.002	25.000	20.00	0.000	13.039	0.403	2.402
0.115	100.000	100.00	0.000	13.039	0.403	2.402
0.001	100.000	100.00	0.000	13.039	0.403	2.402
0.171	100.000	100.00	0.000	13.039	0.403	2.402
0.000	25.000	20.00	0.000	13.039	0.403	2.402
7.570	0.000	0.00	0.000	13.039	0.403	2.402
0.066	0.000	0.00	0.000	13.039	0.403	2.402
0.096	25.000	20.00	0.000	13.039	0.403	2.402
0.353	100.000	100.00	0.000	13.039	0.403	2.402
1.760	25.000	25.00	0.000	13.039	0.403	2.402
1.660	100.000	100.00	0.000	13.039	0.403	2.402
3.840	0.000	0.00	0.000	13.039	0.366	2.047
2.927	0.000	0.00	0.000	13.039	0.366	2.047
0.070	0.000	0.00	0.000	13.039	0.366	2.047
9.455	0.000	0.00	0.000	13.039	0.366	2.047
26.534	100.000	100.00	0.000	13.039	0.366	2.047
7.631	0.000	0.00	5.142	13.039	0.391	2.047
0.016	0.000	0.00	0.000	13.039	0.641	11.811
2.260	0.000	0.00	0.000	13.039	0.641	11.811
2.113	0.000	0.00	0.000	13.039	0.641	11.811
4.241	0.000	0.00	0.000	13.039	0.641	11.811
0.074	100.000	100.00	0.000	13.039	0.641	11.811
2.058	0.000	0.00	0.000	13.039	0.641	11.811
2.081	0.000	0.00	0.000	13.039	0.641	11.811
2.342	100.000	100.00	0.000	13.039	0.641	11.811
0.566	100.000	100.00	0.000	13.039	0.641	11.811
1.701	100.000	100.00	0.000	13.039	0.641	11.811
1.674	0.000	0.00	0.000	13.039	0.641	11.811
0.256	100.000	100.00	0.000	13.039	0.641	11.811
0.123	100.000	100.00	0.000	13.039	0.641	11.811
0.570	100.000	100.00	0.000	13.039	0.641	11.811
2.679	100.000	100.00	0.000	13.039	0.641	11.811
0.630	100.000	100.00	0.000	13.039	0.641	11.811
0.153	100.000	100.00	0.000	13.039	0.641	11.811
0.101	100.000	100.00	0.000	13.039	0.641	11.811
2.848	100.000	100.00	0.000	13.039	0.641	11.811
7.788	0.000	0.00	0.000	13.039	0.641	11.811
6.670	100.000	100.00	0.000	13.039	0.641	11.811
0.338	100.000	100.00	0.000	13.039	0.641	11.811
0.072	100.000	100.00	0.000	13.039	0.641	11.811
1.288	100.000	100.00	0.000	13.039	0.641	11.811
0.005	10.000	10.00	0.000	13.039	0.641	11.811
0.109	0.000	0.00	0.000	13.039	0.641	11.811
0.505	100.000	100.00	0.000	13.039	0.641	11.811
104.295	100.000	100.00	0.000	13.039	0.641	11.811
1.310	0.000	0.00	0.000	13.039	0.641	11.811
29.199	100.000	100.00	0.000	13.039	0.641	11.811
2.785	100.000	100.00	0.000	13.039	0.641	11.811
2.015	0.000	0.00	0.000	13.039	0.641	11.811
0.472	0.000	0.00	0.000	13.039	0.641	11.811
0.000	25.000	25.00	0.000	13.039	0.641	11.811
0.487	0.000	0.00	0.000	13.039	0.641	11.811
38.932	100.000	100.00	0.000	13.039	0.641	11.811

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0.412	60.000	0.00	0.000	13.039	0.641	11.811
13.228	0.000	0.00	0.091	13.039	0.376	2.047
0.072	0.000	0.00	0.091	13.039	0.376	2.047
0.532	100.000	100.00	0.091	13.039	0.376	2.047
0.549	10.000	10.00	1.041	13.039	0.376	2.047
0.569	100.000	100.00	1.041	13.039	0.376	2.047
5.836	100.000	100.00	1.041	13.039	0.376	2.047
6.145	0.000	0.00	0.091	13.039	0.376	2.047
0.327	0.000	0.00	0.091	13.039	0.376	2.047
2.437	0.000	0.00	0.091	13.039	0.376	2.047
8.815	0.000	0.00	0.091	13.039	0.376	2.047
1.226	100.000	100.00	0.091	13.039	0.376	2.047
0.012	100.000	100.00	0.091	13.039	0.376	2.047
1.584	100.000	100.00	0.091	13.039	0.376	2.047
7.567	0.000	0.00	0.091	13.039	0.376	2.047
0.302	100.000	100.00	0.091	13.039	0.376	2.047
0.184	85.000	85.00	0.091	13.039	0.376	2.047
0.012	25.000	20.00	0.091	13.039	0.376	2.047
0.212	0.000	0.00	0.091	13.039	0.376	2.047
3.977	0.000	0.00	0.091	13.039	0.376	2.047
2.792	100.000	100.00	0.091	13.039	0.376	2.047
0.689	60.000	0.00	0.091	13.039	0.376	2.047
18.751	0.000	0.00	4.412	13.039	0.374	2.047
5.036	0.000	0.00	1.041	13.039	0.376	2.047
1.977	25.000	20.00	1.041	13.039	0.376	2.047
0.064	100.000	100.00	1.041	13.039	0.376	2.047
2.667	25.000	25.00	1.041	13.039	0.376	2.047
0.702	10.000	10.00	1.310	13.039	0.378	2.047
7.089	0.000	0.00	1.310	13.039	0.378	2.047
1.793	100.000	100.00	1.310	13.039	0.378	2.047
0.028	0.000	0.00	1.310	13.039	0.378	2.047
1.328	0.000	0.00	1.041	13.039	0.376	2.047
0.469	25.000	20.00	1.041	13.039	0.376	2.047
0.414	0.000	0.00	1.041	13.039	0.376	2.047
0.616	100.000	100.00	1.041	13.039	0.376	2.047
0.599	10.000	10.00	5.142	13.039	0.391	2.047
1.145	0.000	0.00	5.142	13.039	0.391	2.047
30.111	10.000	10.00	5.142	13.039	0.391	2.047
2.723	0.000	0.00	5.142	13.039	0.391	2.047
2.183	0.000	0.00	0.071	13.039	0.401	2.047
3.528	100.000	100.00	0.071	13.039	0.401	2.047
2.301	100.000	100.00	0.071	13.039	0.401	2.047
1.086	100.000	100.00	0.000	13.039	0.852	11.811
0.194	100.000	100.00	0.000	13.039	0.852	11.811
1.796	100.000	100.00	0.000	13.039	0.852	11.811
1.448	100.000	100.00	0.000	13.039	0.852	11.811
0.766	100.000	100.00	0.000	13.039	0.852	11.811
0.003	100.000	100.00	0.000	13.039	0.852	11.811
19.182	100.000	100.00	0.000	13.039	0.852	11.811
0.363	10.000	10.00	3.165	13.039	0.385	2.047
0.332	0.000	0.00	3.165	13.039	0.385	2.047
15.309	10.000	10.00	3.165	13.039	0.385	2.047
7.675	0.000	0.00	3.165	13.039	0.385	2.047
0.600	100.000	100.00	3.165	13.039	0.385	2.047
0.191	100.000	100.00	3.165	13.039	0.385	2.047
7.500	0.000	0.00	3.165	13.039	0.385	2.047
14.883	0.000	0.00	3.242	13.039	0.366	4.331
0.002	25.000	20.00	3.242	13.039	0.366	4.331
0.000	0.000	0.00	3.242	13.039	0.366	4.331
0.809	100.000	100.00	3.242	13.039	0.366	4.331
0.021	100.000	100.00	0.000	13.039	0.852	11.811
0.008	0.000	0.00	0.000	13.039	0.852	11.811
3.055	100.000	100.00	0.000	13.039	0.852	11.811
0.355	100.000	100.00	0.000	13.039	0.852	11.811
0.226	100.000	100.00	0.000	13.039	0.852	11.811
18.282	100.000	100.00	0.000	13.039	0.852	11.811
0.558	100.000	100.00	0.000	13.039	0.852	11.811
8.894	100.000	100.00	0.000	13.039	0.852	11.811
0.235	100.000	100.00	0.000	13.039	0.852	11.811
0.307	100.000	100.00	0.000	13.039	0.852	11.811
0.329	0.000	0.00	0.000	13.039	0.852	11.811
2.232	100.000	100.00	0.000	13.039	0.852	11.811
1.081	100.000	100.00	0.000	13.039	0.852	11.811

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0.478	100.000	100.00	0.000	13.039	0.852	11.811
1.290	100.000	100.00	0.000	13.039	0.852	11.811
0.009	0.000	0.00	0.000	13.039	0.852	11.811
1.824	100.000	100.00	0.000	13.039	0.852	11.811
0.029	100.000	100.00	0.000	13.039	0.852	11.811
0.936	0.000	0.00	0.000	13.039	0.852	11.811
2.112	100.000	100.00	0.000	13.039	0.852	11.811
1.604	0.000	0.00	0.000	13.039	0.852	11.811
442.324	100.000	100.00	0.000	13.039	0.852	11.811
7.232	100.000	100.00	0.000	13.039	0.852	11.811
61.062	100.000	100.00	0.000	13.039	0.852	11.811
0.061	100.000	100.00	2.673	13.039	0.376	2.047
5.491	0.000	0.00	2.673	13.039	0.376	2.047
0.542	100.000	100.00	2.673	13.039	0.376	2.047
0.285	10.000	10.00	0.000	13.039	0.366	2.047
2.591	0.000	0.00	0.000	13.039	0.366	2.047
0.157	100.000	100.00	0.000	13.039	0.366	2.047
4.212	100.000	100.00	0.000	13.039	0.366	2.047
0.039	100.000	100.00	0.091	13.039	0.376	2.047
0.098	0.000	0.00	0.091	13.039	0.376	2.047
1.988	100.000	100.00	0.091	13.039	0.376	2.047
2.411	0.000	0.00	1.041	13.039	0.376	2.047
0.018	100.000	100.00	0.091	13.039	0.376	2.047
0.239	100.000	100.00	0.091	13.039	0.376	2.047
0.782	0.000	0.00	0.091	13.039	0.376	2.047
6.152	100.000	100.00	0.091	13.039	0.376	2.047
0.736	100.000	100.00	0.091	13.039	0.376	2.047
8.238	0.000	0.00	0.000	13.039	0.366	2.047
1.094	25.000	25.00	0.000	13.039	0.366	2.047
6.683	0.000	0.00	0.000	13.039	0.366	2.047
0.234	100.000	100.00	0.000	13.039	0.366	2.047
22.401	0.000	0.00	0.000	13.039	0.366	2.047
0.234	100.000	100.00	0.000	13.039	0.366	2.047
0.040	0.000	0.00	0.000	13.039	0.366	2.047
5.946	100.000	100.00	0.000	13.039	0.366	2.047
12.075	100.000	100.00	0.000	13.039	0.366	2.047
3.794	100.000	100.00	0.000	13.039	0.409	2.047
3.960	100.000	100.00	0.000	13.039	0.409	2.047
5.658	0.000	0.00	0.000	13.039	0.409	2.047
0.016	0.000	0.00	5.142	13.039	0.391	2.047
1.077	25.000	25.00	5.142	13.039	0.391	2.047
5.002	0.000	0.00	0.000	13.039	0.641	11.811
2.994	100.000	100.00	0.000	13.039	0.641	11.811
30.619	100.000	100.00	0.000	13.039	0.641	11.811
0.045	0.000	0.00	2.673	13.039	0.376	2.047
3.995	0.000	0.00	2.673	13.039	0.376	2.047
5.825	0.000	0.00	3.242	13.039	0.366	4.331
15.942	0.000	0.00	3.242	13.039	0.366	4.331
0.626	100.000	100.00	3.242	13.039	0.366	4.331
10.964	0.000	0.00	2.673	13.039	0.376	2.047
0.551	0.000	0.00	0.000	13.039	0.641	11.811
0.042	100.000	100.00	0.000	13.039	0.641	11.811
0.962	0.000	0.00	0.000	13.039	0.366	2.047
0.012	100.000	100.00	0.000	13.039	0.366	2.047
0.399	60.000	0.00	0.000	13.039	0.366	2.047
1.789	0.000	0.00	0.091	13.039	0.376	2.047
0.011	100.000	100.00	0.091	13.039	0.376	2.047
0.372	0.000	0.00	0.217	13.039	0.396	2.047
0.035	60.000	0.00	0.217	13.039	0.396	2.047
0.119	0.000	0.00	0.091	13.039	0.376	2.047
2.778	100.000	100.00	0.091	13.039	0.376	2.047
0.023	0.000	0.00	3.242	13.039	0.366	4.331
0.641	0.000	0.00	3.242	13.039	0.366	4.331
0.006	100.000	0.00	3.242	13.039	0.366	4.331
3.941	0.000	0.00	3.242	13.039	0.366	4.331
0.627	60.000	0.00	3.242	13.039	0.366	4.331
0.041	100.000	100.00	0.000	13.039	0.409	2.047
11.233	100.000	100.00	0.000	13.039	0.409	2.047
6.476	100.000	100.00	0.000	13.039	0.409	2.047
26.021	0.000	0.00	3.165	13.039	0.385	2.047
0.101	100.000	100.00	3.165	13.039	0.385	2.047
8.903	0.000	0.00	1.310	13.039	0.378	2.047
0.098	0.000	0.00	2.673	13.039	0.376	2.047

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0.047	25.000	25.00	2.673	13.039	0.376	2.047
0.368	25.000	20.00	0.000	13.039	0.641	11.811
3.970	100.000	100.00	0.000	13.039	0.641	11.811
11.394	100.000	100.00	0.000	13.039	0.641	11.811
4.491	100.000	100.00	0.000	13.039	0.641	11.811
0.034	0.000	0.00	0.000	13.039	0.641	11.811
0.358	0.000	0.00	0.000	13.039	0.641	11.811
1.165	0.000	0.00	0.000	13.039	0.641	11.811
11.098	100.000	100.00	0.000	13.039	0.641	11.811
2.333	100.000	100.00	0.000	13.039	0.641	11.811
29.444	100.000	100.00	0.000	13.039	0.641	11.811
0.060	10.000	10.00	0.000	13.039	0.641	11.811
2.847	25.000	20.00	1.310	13.039	0.378	2.047
0.003	100.000	100.00	1.310	13.039	0.378	2.047
0.095	0.000	0.00	1.310	13.039	0.378	2.047
2.767	100.000	100.00	1.310	13.039	0.378	2.047
1.809	100.000	100.00	1.310	13.039	0.378	2.047
6.021	0.000	0.00	1.310	13.039	0.378	2.047
6.783	0.000	0.00	1.310	13.039	0.378	2.047
2.920	0.000	0.00	1.310	13.039	0.378	2.047
0.909	100.000	100.00	1.310	13.039	0.378	2.047
0.679	100.000	100.00	1.310	13.039	0.378	2.047
2.734	0.000	0.00	1.310	13.039	0.378	2.047
8.466	10.000	10.00	1.310	13.039	0.378	2.047
29.535	0.000	0.00	5.142	13.039	0.391	2.047
0.531	0.000	0.00	5.142	13.039	0.391	2.047
5.876	25.000	20.00	3.165	13.039	0.385	2.047
0.690	0.000	0.00	3.165	13.039	0.385	2.047
5.813	0.000	0.00	3.165	13.039	0.385	2.047
0.480	0.000	0.00	3.165	13.039	0.385	2.047
4.811	0.000	0.00	3.165	13.039	0.385	2.047
4.129	10.000	10.00	3.165	13.039	0.385	2.047
1.039	25.000	20.00	5.142	13.039	0.391	2.047
0.404	0.000	0.00	5.142	13.039	0.391	2.047
1.243	10.000	10.00	5.142	13.039	0.391	2.047
0.009	25.000	20.00	4.412	13.039	0.374	2.047
0.321	0.000	0.00	4.412	13.039	0.374	2.047
4.471	10.000	10.00	4.412	13.039	0.374	2.047
0.760	0.000	0.00	2.673	13.039	0.376	2.047
2.658	10.000	10.00	2.673	13.039	0.376	2.047
0.721	100.000	100.00	1.100	12.992	0.380	4.331
0.001	100.000	100.00	1.100	12.992	0.380	4.331
2.495	10.000	10.00	1.100	12.992	0.380	4.331
0.088	100.000	100.00	0.000	39.370	0.720	0.394
1.405	100.000	100.00	0.000	39.370	0.720	0.394
0.021	100.000	100.00	0.000	39.370	0.720	0.394
0.036	0.000	0.00	0.000	39.370	0.720	0.394
0.014	100.000	100.00	0.000	39.370	0.720	0.394
0.154	100.000	100.00	0.000	39.370	0.720	0.394

Name: HH81161 Node: NHH81161 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81161 Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc (min): 61.42  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	***** Eff Por (dec)	Suctn Hd (in)
3.711	0.000	0.00	4.412	13.039	2.047
0.713	0.000	0.00	2.673	13.039	2.047
1.483	0.000	0.00	2.673	13.039	2.047
0.598	0.000	0.00	4.412	13.039	2.047
0.867	0.000	0.00	4.412	13.039	2.047
0.022	0.000	0.00	1.310	13.039	2.047
0.425	10.000	10.00	1.310	13.039	2.047
2.259	0.000	0.00	5.142	13.039	2.047
0.538	0.000	0.00	5.142	13.039	2.047

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17.965	0.000	0.00	5.142	13.039	0.391	2.047
0.453	0.000	0.00	3.165	13.039	0.385	2.047
1.992	0.000	0.00	3.165	13.039	0.385	2.047
0.550	10.000	10.00	3.165	13.039	0.385	2.047
0.019	10.000	10.00	1.100	12.992	0.380	4.331

Name: HH8117 Node: NHH8117 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH8117 Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000 Time of Conc(min): 32.48  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.294	0.000	0.00	0.000	13.039	0.641	11.811
2.557	100.000	100.00	0.000	13.039	0.641	11.811
6.767	100.000	100.00	0.000	13.039	0.641	11.811
0.004	100.000	100.00	0.000	13.039	0.641	11.811
4.159	0.000	0.00	2.673	13.039	0.376	2.047
12.243	0.000	0.00	4.412	13.039	0.374	2.047
0.002	100.000	100.00	0.071	13.039	0.401	2.047
14.413	0.000	0.00	0.071	13.039	0.401	2.047
0.033	100.000	100.00	0.071	13.039	0.401	2.047
0.276	100.000	100.00	0.071	13.039	0.401	2.047
1.479	100.000	100.00	0.071	13.039	0.401	2.047
0.000	100.000	100.00	0.000	13.039	0.852	11.811
1.118	100.000	100.00	0.000	13.039	0.852	11.811
0.550	100.000	100.00	0.000	13.039	0.852	11.811
8.978	100.000	100.00	0.000	13.039	0.852	11.811
17.165	100.000	100.00	0.000	13.039	0.852	11.811
48.651	100.000	100.00	0.000	13.039	0.852	11.811
2.529	0.000	0.00	0.217	13.039	0.396	2.047
0.008	100.000	100.00	0.217	13.039	0.396	2.047
0.146	100.000	100.00	0.217	13.039	0.396	2.047
0.717	25.000	25.00	0.217	13.039	0.396	2.047
9.576	0.000	0.00	3.165	13.039	0.385	2.047
4.393	0.000	0.00	1.310	13.039	0.378	2.047
4.046	0.000	0.00	0.000	13.039	0.366	2.047
1.342	100.000	100.00	0.000	13.039	0.366	2.047
1.216	0.000	0.00	2.673	13.039	0.376	2.047
5.735	0.000	0.00	2.673	13.039	0.376	2.047
0.809	0.000	0.00	4.412	13.039	0.374	2.047
0.441	0.000	0.00	4.412	13.039	0.374	2.047
8.202	0.000	0.00	5.142	13.039	0.391	2.047
6.657	100.000	100.00	0.000	13.039	0.641	11.811
1.067	100.000	100.00	0.000	13.039	0.641	11.811
1.510	100.000	100.00	0.000	13.039	0.641	11.811
21.231	100.000	100.00	0.000	13.039	0.641	11.811
0.045	100.000	100.00	0.000	13.039	0.641	11.811
3.188	0.000	0.00	0.000	13.039	0.641	11.811
2.940	100.000	100.00	0.000	13.039	0.641	11.811
0.136	100.000	100.00	0.000	13.039	0.641	11.811
2.067	100.000	100.00	0.000	13.039	0.641	11.811
8.437	100.000	100.00	0.000	13.039	0.641	11.811
0.005	100.000	100.00	1.310	13.039	0.378	2.047
9.084	0.000	0.00	1.310	13.039	0.378	2.047
17.836	0.000	0.00	5.142	13.039	0.391	2.047
2.473	0.000	0.00	5.142	13.039	0.391	2.047
0.416	0.000	0.00	1.041	13.039	0.376	2.047
0.002	100.000	100.00	1.041	13.039	0.376	2.047
0.004	100.000	100.00	1.041	13.039	0.376	2.047
1.633	100.000	100.00	1.041	13.039	0.376	2.047
3.497	0.000	0.00	1.041	13.039	0.376	2.047
23.914	0.000	0.00	1.041	13.039	0.376	2.047
3.192	0.000	0.00	3.242	13.039	0.366	4.331
10.640	100.000	100.00	0.000	13.039	0.852	11.811
0.785	100.000	100.00	0.000	13.039	0.852	11.811

Dewberry Engineers, Inc.  
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2.479	100.000	100.00	0.000	13.039	0.409	2.047
6.513	0.000	0.00	0.000	13.039	0.409	2.047
1.645	0.000	0.00	1.041	13.039	0.376	2.047
1.136	0.000	0.00	5.142	13.039	0.391	2.047

Name: HH81171 Node: NHH81171 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81171 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc(min): 82.23  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
5.795	10.000	10.00	2.673	13.039	0.376	2.047
4.256	10.000	10.00	0.091	13.039	0.376	2.047
9.204	10.000	10.00	3.165	13.039	0.385	2.047
1.519	10.000	10.00	1.310	13.039	0.378	2.047
0.732	10.000	10.00	5.142	13.039	0.391	2.047
0.471	10.000	10.00	5.142	13.039	0.391	2.047

Name: HH81172 Node: NHH81172 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81172 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc(min): 44.53  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.001	25.000	20.00	0.027	13.039	0.404	2.047
0.490	10.000	10.00	0.027	13.039	0.404	2.047
0.558	10.000	10.00	0.000	13.039	0.852	11.811

Name: HH81173 Node: NHH81173 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81173 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc(min): 33.20  
 Time Shift(hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
2.038	25.000	20.00	3.242	13.039	0.366	4.331
1.554	0.000	0.00	3.242	13.039	0.366	4.331
0.539	25.000	20.00	0.027	13.039	0.404	2.047
0.029	0.000	0.00	0.027	13.039	0.404	2.047
0.174	25.000	20.00	5.142	13.039	0.391	2.047
4.472	0.000	0.00	5.142	13.039	0.391	2.047
1.003	25.000	20.00	3.165	13.039	0.385	2.047

Name: HH8118 Node: NHH8118 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0

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Rainfall File: HH8118  
 Rainfall Amount (in): 10.000

Storm Duration (hrs): 24.00  
 Time of Conc (min): 38.98  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.025	25.000	20.00	0.000	13.039	0.403	2.402
2.125	0.000	0.00	0.000	13.039	0.403	2.402
0.979	25.000	20.00	0.000	13.039	0.403	2.402
4.702	100.000	100.00	0.000	13.039	0.403	2.402
1.351	25.000	25.00	0.000	13.039	0.403	2.402
1.450	25.000	25.00	0.000	13.039	0.403	2.402
0.939	100.000	100.00	0.000	13.039	0.403	2.402
4.681	100.000	100.00	0.000	13.039	0.403	2.402
6.155	100.000	100.00	0.000	13.039	0.403	2.402
1.522	100.000	100.00	0.000	13.039	0.403	2.402
0.017	2.000	0.00	0.000	13.039	0.403	2.402
0.310	100.000	100.00	0.000	13.039	0.403	2.402
3.115	100.000	100.00	0.000	13.039	0.403	2.402
13.447	100.000	100.00	0.000	13.039	0.403	2.402
5.045	100.000	100.00	0.000	13.039	0.403	2.402
2.198	50.000	0.00	0.000	13.039	0.403	2.402
9.047	100.000	100.00	0.000	13.039	0.403	2.402
1.971	100.000	100.00	0.000	13.039	0.641	11.811
3.346	100.000	100.00	0.000	13.039	0.641	11.811
0.190	100.000	100.00	0.000	13.039	0.641	11.811
6.547	100.000	100.00	0.000	13.039	0.641	11.811
0.869	25.000	25.00	0.000	13.039	0.641	11.811
0.960	0.000	0.00	0.000	13.039	0.641	11.811
0.149	100.000	100.00	0.000	13.039	0.641	11.811
0.303	100.000	100.00	0.000	13.039	0.641	11.811
3.924	100.000	100.00	0.000	13.039	0.641	11.811
2.375	50.000	0.00	0.000	13.039	0.641	11.811
0.018	25.000	25.00	1.164	12.992	0.378	2.047
0.060	100.000	100.00	1.164	12.992	0.378	2.047
0.020	100.000	100.00	1.164	12.992	0.378	2.047
0.364	50.000	0.00	1.164	12.992	0.378	2.047
0.058	100.000	100.00	0.000	13.039	0.403	2.402
0.090	100.000	100.00	0.000	13.039	0.403	2.402
0.030	0.000	0.00	0.000	13.039	0.366	2.047
0.008	100.000	100.00	0.000	13.039	0.366	2.047
2.269	2.000	0.00	0.000	13.039	0.366	2.047
0.043	50.000	0.00	0.000	13.039	0.366	2.047
0.035	100.000	100.00	0.217	13.039	0.396	2.047
0.616	100.000	100.00	0.217	13.039	0.396	2.047
2.688	2.000	0.00	0.217	13.039	0.396	2.047
2.848	25.000	25.00	0.217	13.039	0.396	2.047
0.785	0.000	0.00	0.217	13.039	0.396	2.047
2.790	100.000	100.00	0.091	13.039	0.376	2.047
0.003	100.000	100.00	0.091	13.039	0.376	2.047
0.531	100.000	100.00	0.091	13.039	0.376	2.047
4.218	2.000	0.00	0.091	13.039	0.376	2.047
1.739	100.000	100.00	0.091	13.039	0.376	2.047
2.349	25.000	25.00	0.091	13.039	0.376	2.047
4.620	100.000	100.00	0.091	13.039	0.376	2.047
0.004	100.000	100.00	0.091	13.039	0.376	2.047
1.189	0.000	0.00	0.091	13.039	0.376	2.047
0.003	50.000	0.00	0.091	13.039	0.376	2.047
0.074	100.000	100.00	0.091	13.039	0.376	2.047
0.031	100.000	100.00	0.000	13.039	0.366	2.047
1.272	25.000	25.00	0.000	13.039	0.366	2.047
0.146	0.000	0.00	4.087	35.008	0.397	2.047
2.392	100.000	100.00	0.000	13.039	0.403	2.402
4.579	100.000	100.00	0.000	13.039	0.403	2.402
1.139	2.000	0.00	0.000	13.039	0.403	2.402
0.746	25.000	25.00	0.000	13.039	0.403	2.402
0.114	50.000	0.00	0.000	13.039	0.403	2.402
0.396	100.000	100.00	0.000	13.039	0.535	11.811
4.809	100.000	100.00	0.000	13.039	0.535	11.811
0.465	100.000	100.00	0.000	13.039	0.535	11.811
0.291	100.000	100.00	0.000	13.039	0.535	11.811
0.007	50.000	0.00	0.000	13.039	0.535	11.811

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1.697	100.000	100.00	0.000	13.039	0.535	11.811
0.495	2.000	0.00	0.851	13.039	0.387	2.165
0.007	0.000	0.00	0.000	13.039	0.535	11.811
1.267	100.000	100.00	0.000	13.039	0.535	11.811
10.021	100.000	100.00	0.000	13.039	0.535	11.811
2.391	100.000	100.00	0.000	13.039	0.535	11.811
2.189	100.000	100.00	0.000	13.039	0.535	11.811
0.296	50.000	0.00	0.000	13.039	0.535	11.811
0.003	50.000	0.00	0.027	13.039	0.404	2.047
0.682	100.000	100.00	0.071	13.039	0.401	2.047
2.931	100.000	100.00	0.071	13.039	0.401	2.047
0.001	100.000	100.00	0.071	13.039	0.401	2.047
2.804	0.000	0.00	0.071	13.039	0.401	2.047
0.277	100.000	100.00	0.071	13.039	0.401	2.047
0.612	50.000	0.00	0.071	13.039	0.401	2.047
3.050	25.000	20.00	1.041	13.039	0.376	2.047
0.149	100.000	100.00	1.041	13.039	0.376	2.047
0.952	25.000	25.00	1.041	13.039	0.376	2.047
1.661	25.000	25.00	1.041	13.039	0.376	2.047
0.086	100.000	100.00	1.041	13.039	0.376	2.047
0.015	10.000	10.00	1.310	13.039	0.378	2.047
0.403	100.000	100.00	1.310	13.039	0.378	2.047
1.218	100.000	100.00	1.310	13.039	0.378	2.047
0.379	100.000	100.00	1.310	13.039	0.378	2.047
5.497	0.000	0.00	1.310	13.039	0.378	2.047
0.208	0.000	0.00	1.041	13.039	0.376	2.047
5.940	25.000	20.00	1.041	13.039	0.376	2.047
1.237	0.000	0.00	1.041	13.039	0.376	2.047
0.004	100.000	100.00	1.041	13.039	0.376	2.047
0.148	0.000	0.00	5.142	13.039	0.391	2.047
5.331	10.000	10.00	5.142	13.039	0.391	2.047
6.402	0.000	0.00	5.142	13.039	0.391	2.047
0.711	10.000	10.00	3.165	13.039	0.385	2.047
6.605	0.000	0.00	3.165	13.039	0.385	2.047
1.747	0.000	0.00	3.242	13.039	0.366	4.331
0.031	25.000	20.00	3.242	13.039	0.366	4.331

Name: HH81180  
 Group: BASE

Node: NHH81180  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH81180  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 81.76  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
2.242	25.000	20.00	0.000	13.039	0.403	2.402
7.029	0.000	0.00	0.000	13.039	0.403	2.402
1.914	0.000	0.00	0.000	13.039	0.403	2.402
0.104	25.000	25.00	0.000	13.039	0.403	2.402
7.425	100.000	100.00	0.000	13.039	0.403	2.402
1.922	22.600	0.00	0.091	13.039	0.376	2.047
4.260	25.000	20.00	0.091	13.039	0.376	2.047
0.002	0.000	0.00	0.091	13.039	0.376	2.047
9.871	0.000	0.00	0.091	13.039	0.376	2.047
0.016	100.000	100.00	0.091	13.039	0.376	2.047
0.335	25.000	25.00	0.091	13.039	0.376	2.047
2.383	0.000	0.00	0.000	13.039	0.366	2.047
2.436	0.000	0.00	0.000	13.039	0.366	2.047
0.170	25.000	25.00	0.000	13.039	0.366	2.047
0.616	0.000	0.00	0.091	13.039	0.376	2.047
0.004	100.000	100.00	0.091	13.039	0.376	2.047
0.608	0.000	0.00	1.041	13.039	0.376	2.047
0.064	22.600	0.00	0.000	13.039	0.403	2.402
0.026	0.000	0.00	0.000	13.039	0.403	2.402
0.004	100.000	100.00	0.000	13.039	0.403	2.402
0.053	25.000	25.00	0.000	13.039	0.403	2.402
0.073	25.000	25.00	0.000	13.039	0.403	2.402



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Name: HH811821 Node: NHH811821 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH8118 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc(min): 34.46  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.968	50.000	50.00	0.000	13.039	0.366	2.047
0.126	100.000	100.00	0.000	13.039	0.366	2.047
0.433	50.000	50.00	0.851	13.039	0.387	2.165

Name: HH81183 Node: NHH81183 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81183 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc(min): 89.56  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.051	100.000	100.00	1.164	12.992	0.378	2.047
0.001	25.000	25.00	1.164	12.992	0.378	2.047
0.034	100.000	100.00	0.091	13.039	0.376	2.047
1.089	0.000	0.00	0.091	13.039	0.376	2.047
0.060	100.000	100.00	0.000	13.039	0.403	2.402
5.276	100.000	100.00	0.000	13.039	0.403	2.402
0.000	0.000	0.00	0.000	13.039	0.403	2.402
0.161	25.000	25.00	0.217	13.039	0.396	2.047
2.318	100.000	100.00	0.217	13.039	0.396	2.047
3.559	0.000	0.00	0.217	13.039	0.396	2.047
0.667	100.000	100.00	0.091	13.039	0.376	2.047
0.327	100.000	100.00	0.091	13.039	0.376	2.047
0.660	0.000	0.00	0.091	13.039	0.376	2.047
0.003	25.000	25.00	4.087	35.008	0.397	2.047
2.462	0.000	0.00	4.087	35.008	0.397	2.047

Name: HH811831 Node: NHH811831 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH8118 Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc(min): 48.59  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.039	25.000	25.00	1.164	12.992	0.378	2.047
0.045	100.000	100.00	1.164	12.992	0.378	2.047
1.048	0.000	0.00	1.164	12.992	0.378	2.047
2.303	25.000	25.00	1.164	12.992	0.378	2.047
0.154	100.000	100.00	0.091	13.039	0.376	2.047
4.187	0.000	0.00	0.091	13.039	0.376	2.047
0.269	100.000	100.00	0.000	13.039	0.403	2.402
0.095	0.000	0.00	0.000	13.039	0.403	2.402
0.057	25.000	25.00	0.217	13.039	0.396	2.047
0.019	100.000	100.00	0.217	13.039	0.396	2.047
0.604	25.000	25.00	0.000	13.039	0.366	2.047

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1.944	0.000	0.00	0.000	13.039	0.366	2.047
0.018	25.000	25.00	4.087	35.008	0.397	2.047
0.644	0.000	0.00	4.087	35.008	0.397	2.047
0.005	25.000	25.00	0.000	13.039	0.403	2.402

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Name: HH81184                      Node: NHH81184                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH81184                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 39.43  
                                                                          Time Shift(hrs): 0.00  
                                                                          Max Allowable Q(cfs): 999999.000

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Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.736	25.000	25.00	5.142	13.039	0.391	2.047
0.362	25.000	25.00	5.142	13.039	0.391	2.047
2.275	25.000	25.00	3.165	13.039	0.385	2.047
1.250	25.000	25.00	5.142	13.039	0.391	2.047

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Name: HH81185                      Node: NHH81185                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH81185                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 33.63  
                                                                          Time Shift(hrs): 0.00  
                                                                          Max Allowable Q(cfs): 999999.000

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Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.007	25.000	25.00	0.000	13.039	0.852	11.811
1.219	25.000	25.00	0.071	13.039	0.401	2.047
0.461	25.000	25.00	3.165	13.039	0.385	2.047
0.565	25.000	25.00	5.142	13.039	0.391	2.047

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Name: HH81186                      Node: NHH81186                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH81186                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 105.32  
                                                                          Time Shift(hrs): 0.00  
                                                                          Max Allowable Q(cfs): 999999.000

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Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por(dec)	Suctn Hd(in)
3.047	25.000	25.00	0.000	13.039	0.403	2.402
2.472	25.000	25.00	0.000	13.039	0.641	11.811
1.680	25.000	25.00	1.164	12.992	0.378	2.047

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Name: HH81187                      Node: NHH81187                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH81187                      Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                      Time of Conc(min): 39.76  
                                                                          Time Shift(hrs): 0.00  
                                                                          Max Allowable Q(cfs): 999999.000

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Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.176	25.000	25.00	0.000	13.039	0.641	11.811
0.531	25.000	25.00	0.027	13.039	0.404	2.047
0.718	25.000	25.00	0.071	13.039	0.401	2.047
0.273	25.000	25.00	1.041	13.039	0.376	2.047

Name: HH81188 Node: NHH81188 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81188 Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc (min): 42.22  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.051	25.000	25.00	0.000	13.039	0.641	11.811
1.004	25.000	25.00	1.041	13.039	0.376	2.047
0.898	25.000	25.00	1.310	13.039	0.378	2.047
1.723	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8119 Node: NHH8119 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH8119 Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc (min): 10.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.324	0.000	0.00	1.100	12.992	0.380	4.331
1.022	100.000	100.00	5.142	13.039	0.391	2.047
1.222	0.000	0.00	5.142	13.039	0.391	2.047
0.195	100.000	100.00	3.165	13.039	0.385	2.047
1.033	0.000	0.00	3.165	13.039	0.385	2.047

Name: HH81192 Node: NHH81192 Status: Onsite  
 Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
 Rainfall File: HH81192 Storm Duration (hrs): 24.00  
 Rainfall Amount (in): 10.000 Time of Conc (min): 10.00  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.167	100.000	100.00	1.100	12.992	0.380	4.331
0.454	100.000	100.00	1.100	12.992	0.380	4.331
1.046	0.000	0.00	1.100	12.992	0.380	4.331
0.011	0.000	0.00	5.142	13.039	0.391	2.047
0.017	100.000	100.00	3.165	13.039	0.385	2.047
1.351	0.000	0.00	3.165	13.039	0.385	2.047
0.726	100.000	100.00	0.000	39.370	0.720	0.394
0.120	100.000	100.00	0.000	39.370	0.720	0.394
0.001	0.000	0.00	0.000	39.370	0.720	0.394

Name: HH8120                      Node: NHH8120                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH8120                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000                      Time of Conc(min): 33.38  
                                                                                                                                  Time Shift(hrs): 0.00  
                                                                                                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
5.076	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8125                      Node: NHH8125                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH8125                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000                      Time of Conc(min): 24.28  
                                                                                                                                  Time Shift(hrs): 0.00  
                                                                                                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
1.310	10.000	10.00	0.071	13.039	0.401	2.047
0.124	25.000	20.00	0.071	13.039	0.401	2.047
0.890	0.000	0.00	0.071	13.039	0.401	2.047
0.217	10.000	10.00	3.165	13.039	0.385	2.047
0.134	0.000	0.00	3.165	13.039	0.385	2.047

Name: HH8130                      Node: NHH8130                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH8130                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000                      Time of Conc(min): 14.99  
                                                                                                                                  Time Shift(hrs): 0.00  
                                                                                                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
1.122	60.000	60.00	0.071	13.039	0.401	2.047

Name: HH8135                      Node: NHH8135                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH8135                      Storm Duration(hrs): 24.00  
 Rainfall Amount(in): 10.000                      Time of Conc(min): 22.17  
                                                                                                                                  Time Shift(hrs): 0.00  
                                                                                                                                  Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.421	25.000	25.00	0.071	13.039	0.401	2.047

Name: HH8140                      Node: NHH8140                      Status: Onsite  
 Group: BASE                      Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
 Rainfall File: HH8140                      Storm Duration(hrs): 24.00



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Rainfall Amount (in): 10.000

Time of Conc(min): 25.66  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.433	50.000	50.00	0.071	13.039	0.401	2.047
0.399	50.000	50.00	3.165	13.039	0.385	2.047

Name: HH8145  
 Group: BASE

Node: NHH8145  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8145  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 22.36  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.038	0.000	0.00	5.142	13.039	0.391	2.047
0.133	50.000	50.00	5.142	13.039	0.391	2.047
0.489	0.000	0.00	3.165	13.039	0.385	2.047
0.874	50.000	50.00	3.165	13.039	0.385	2.047
1.267	0.000	0.00	0.000	13.039	0.366	2.047
0.219	50.000	50.00	0.000	13.039	0.366	2.047
0.046	50.000	50.00	5.142	13.039	0.391	2.047

Name: HH8150  
 Group: BASE

Node: NHH8150  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8150  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 34.88  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.377	0.000	0.00	1.100	12.992	0.380	4.331
0.016	70.000	70.00	1.100	12.992	0.380	4.331
0.033	70.000	70.00	1.310	13.039	0.378	2.047
0.296	0.000	0.00	5.142	13.039	0.391	2.047
0.528	70.000	70.00	5.142	13.039	0.391	2.047
1.585	0.000	0.00	5.142	13.039	0.391	2.047
1.478	70.000	70.00	5.142	13.039	0.391	2.047
0.040	0.000	0.00	3.165	13.039	0.385	2.047
0.043	70.000	70.00	3.165	13.039	0.385	2.047

Name: HH8155  
 Group: BASE

Node: NHH8155  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: HH8155  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 21.52  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.041	100.000	100.00	0.027	13.039	0.404	2.047
0.000	0.000	0.00	0.027	13.039	0.404	2.047
0.145	70.000	70.00	0.027	13.039	0.404	2.047
0.075	100.000	100.00	0.071	13.039	0.401	2.047

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0.098	0.000	0.00	0.071	13.039	0.401	2.047
0.024	70.000	70.00	0.071	13.039	0.401	2.047
0.637	70.000	70.00	1.041	13.039	0.376	2.047
1.396	100.000	100.00	1.310	13.039	0.378	2.047
0.533	0.000	0.00	1.310	13.039	0.378	2.047
0.455	70.000	70.00	1.310	13.039	0.378	2.047

Name: HH8160 Node: NHH8160 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8160 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 19.21  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.093	0.000	0.00	1.310	13.039	0.378	2.047
0.324	70.000	70.00	1.310	13.039	0.378	2.047
0.186	0.000	0.00	3.165	13.039	0.385	2.047
0.092	70.000	70.00	3.165	13.039	0.385	2.047

Name: HH8165 Node: NHH8165 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8165 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 38.25  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
2.170	25.000	25.00	3.165	13.039	0.385	2.047
4.899	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8170 Node: NHH8170 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8170 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 10.28  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
0.038	25.000	25.00	0.000	13.039	0.366	2.047
2.206	25.000	25.00	5.142	13.039	0.391	2.047

Name: HH8175 Node: NHH81751 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0  
Rainfall File: HH8175 Storm Duration(hrs): 24.00  
Rainfall Amount(in): 10.000 Time of Conc(min): 24.38  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	*****	Eff Por(dec)	Suctn Hd(in)
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2.115            25.000            25.00            5.142            13.039            0.391            2.047  
-----

Name: HH8180                            Node: NHH8180                            Status: Onsite  
Group: BASE                             Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                            Peaking Factor: 256.0  
Rainfall File: HH8180                            Storm Duration(hrs): 24.00  
Rainfall Amount (in): 10.000                    Time of Conc(min): 26.25  
                                                   Time Shift(hrs): 0.00  
                                                   Max Allowable Q(cfs): 999999.000

-----  
Area(ac)            Impervious(%)    DCIA(%)            Cutoff(ft)            \*\*\*\*\* Eff Por(dec)            Suctn Hd(in)  
-----  
1.998            25.000            25.00            5.142            13.039            0.391            2.047  
-----

Name: HH8181                            Node: NHH8181                            Status: Onsite  
Group: BASE                             Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                            Peaking Factor: 256.0  
Rainfall File: HH8181                            Storm Duration(hrs): 24.00  
Rainfall Amount (in): 10.000                    Time of Conc(min): 62.02  
                                                   Time Shift(hrs): 0.00  
                                                   Max Allowable Q(cfs): 999999.000

-----  
Area(ac)            Impervious(%)    DCIA(%)            Cutoff(ft)            \*\*\*\*\* Eff Por(dec)            Suctn Hd(in)  
-----  
20.855            100.000            100.00            0.000            13.039            0.403            2.402  
12.793            100.000            100.00            0.000            13.039            0.403            2.402  
2.326            0.000            0.00            0.000            13.039            0.403            2.402  
15.210            100.000            100.00            0.000            13.039            0.403            2.402  
0.362            100.000            100.00            0.000            13.039            0.403            2.402  
1.806            25.000            25.00            0.000            13.039            0.403            2.402  
0.057            0.000            0.00            0.000            13.039            0.403            2.402  
0.701            0.000            0.00            0.000            13.039            0.403            2.402  
0.039            100.000            100.00            1.164            12.992            0.378            2.047  
2.014            25.000            25.00            1.164            12.992            0.378            2.047  
1.336            100.000            100.00            0.091            13.039            0.376            2.047  
2.511            100.000            100.00            0.091            13.039            0.376            2.047  
14.279            0.000            0.00            0.091            13.039            0.376            2.047  
2.191            100.000            100.00            0.091            13.039            0.376            2.047  
4.078            100.000            100.00            0.091            13.039            0.376            2.047  
0.390            0.000            0.00            0.091            13.039            0.376            2.047  
0.422            25.000            25.00            0.091            13.039            0.376            2.047  
2.455            0.000            0.00            0.091            13.039            0.376            2.047  
0.156            0.000            0.00            0.095            13.039            0.375            2.047  
7.116            0.000            0.00            1.100            12.992            0.380            4.331  
1.447            100.000            100.00            0.000            13.039            0.366            2.047  
0.290            100.000            100.00            0.000            13.039            0.366            2.047  
0.720            100.000            100.00            0.000            13.039            0.366            2.047  
0.901            25.000            25.00            0.000            13.039            0.366            2.047  
2.915            0.000            0.00            0.000            13.039            0.366            2.047  
0.047            100.000            100.00            0.000            13.039            0.403            2.402  
0.141            100.000            100.00            0.000            13.039            0.403            2.402  
0.045            100.000            100.00            0.000            13.039            0.403            2.402  
0.400            25.000            25.00            0.000            13.039            0.403            2.402  
0.161            0.000            0.00            1.553            11.055            0.360            2.047  
0.311            100.000            100.00            0.095            13.039            0.375            2.047  
2.629            0.000            0.00            0.095            13.039            0.375            2.047  
0.119            100.000            100.00            1.553            11.055            0.360            2.047  
1.708            0.000            0.00            1.553            11.055            0.360            2.047  
0.260            0.000            0.00            2.673            13.039            0.376            2.047  
0.000            25.000            25.00            0.000            13.039            0.403            2.402  
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Name: O14131                               Node: NO14131                               Status: Onsite  
 Group: BASE                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                            Peaking Factor: 256.0  
 Rainfall File: O14131                                            Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                                    Time of Conc(min): 10.00  
                                                                           Time Shift (hrs): 0.00  
                                                                           Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.185	85.000	85.00	3.242	13.039	0.366	4.331
1.480	85.000	85.00	1.100	12.992	0.380	4.331
0.065	100.000	100.00	1.100	12.992	0.380	4.331
0.341	85.000	85.00	0.091	13.039	0.376	2.047
0.010	100.000	100.00	0.091	13.039	0.376	2.047

Name: O14136                               Node: NO14136                               Status: Onsite  
 Group: BASE                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                            Peaking Factor: 256.0  
 Rainfall File: O14136                                            Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                                    Time of Conc(min): 25.01  
                                                                           Time Shift (hrs): 0.00  
                                                                           Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.304	25.000	20.00	2.673	13.039	0.376	2.047
0.341	0.000	0.00	2.673	13.039	0.376	2.047
0.959	85.000	85.00	3.242	13.039	0.366	4.331
0.480	25.000	20.00	3.242	13.039	0.366	4.331
0.000	25.000	20.00	0.027	13.039	0.404	2.047
0.060	100.000	100.00	5.142	13.039	0.391	2.047
1.079	25.000	20.00	5.142	13.039	0.391	2.047
0.152	0.000	0.00	5.142	13.039	0.391	2.047
1.452	100.000	100.00	0.000	39.370	0.720	0.394
0.074	25.000	20.00	0.000	39.370	0.720	0.394
0.140	100.000	100.00	3.165	13.039	0.385	2.047
2.021	25.000	20.00	3.165	13.039	0.385	2.047
0.050	100.000	100.00	3.242	13.039	0.366	4.331
1.195	25.000	20.00	3.242	13.039	0.366	4.331

Name: O14211                               Node: NO14211                               Status: Onsite  
 Group: BASE                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                            Peaking Factor: 256.0  
 Rainfall File: O14211                                            Storm Duration(hrs): 24.00  
 Rainfall Amount (in): 10.000                                    Time of Conc(min): 26.19  
                                                                           Time Shift (hrs): 0.00  
                                                                           Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
5.839	10.000	10.00	3.165	13.039	0.385	2.047
2.475	10.000	10.00	1.041	13.039	0.376	2.047
2.246	0.000	0.00	1.041	13.039	0.376	2.047
3.061	0.000	0.00	0.000	13.039	0.852	11.811
2.266	100.000	100.00	0.000	13.039	0.852	11.811

Name: O14212                               Node: NO14212                               Status: Onsite  
 Group: BASE                                    Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256                                            Peaking Factor: 256.0

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Rainfall File: O14212  
 Rainfall Amount (in): 10.000

Storm Duration (hrs): 24.00  
 Time of Conc (min): 41.58  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
1.121	0.000	0.00	3.165	13.039	0.385	2.047
0.202	38.000	25.00	3.165	13.039	0.385	2.047
14.127	10.000	10.00	3.165	13.039	0.385	2.047
0.696	0.000	0.00	1.374	35.008	0.399	2.047
0.181	38.000	25.00	1.374	35.008	0.399	2.047
0.364	10.000	10.00	1.374	35.008	0.399	2.047
0.043	0.000	0.00	1.374	35.008	0.399	2.047
0.763	10.000	10.00	1.041	13.039	0.376	2.047
0.061	0.000	0.00	1.041	13.039	0.376	2.047
1.359	10.000	10.00	5.142	13.039	0.391	2.047

Name: O14220  
 Group: BASE

Node: NO14220  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: O14220  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 37.89  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
11.947	10.000	10.00	3.165	13.039	0.385	2.047
0.000	10.000	10.00	1.374	35.008	0.399	2.047
1.885	0.000	0.00	1.374	35.008	0.399	2.047
0.399	100.000	100.00	1.374	35.008	0.399	2.047
1.804	10.000	10.00	1.041	13.039	0.376	2.047
2.147	0.000	0.00	1.041	13.039	0.376	2.047
0.376	100.000	100.00	1.041	13.039	0.376	2.047
0.052	85.000	85.00	0.027	13.039	0.404	2.047
0.010	0.000	0.00	0.027	13.039	0.404	2.047
0.614	100.000	100.00	0.000	13.039	0.852	11.811
0.305	10.000	10.00	0.000	13.039	0.852	11.811
3.400	0.000	0.00	0.000	13.039	0.852	11.811
0.417	85.000	85.00	0.000	13.039	0.852	11.811
10.101	100.000	100.00	0.000	13.039	0.852	11.811
2.495	0.000	0.00	0.000	13.039	0.852	11.811
31.709	100.000	100.00	0.000	13.039	0.852	11.811
0.259	0.000	0.00	0.000	13.039	0.852	11.811
0.368	100.000	100.00	0.000	13.039	0.366	2.047
0.016	25.000	20.00	0.000	13.039	0.366	2.047
4.061	0.000	0.00	0.000	13.039	0.366	2.047
2.997	10.000	10.00	5.142	13.039	0.391	2.047
2.063	0.000	0.00	3.242	13.039	0.366	4.331
0.064	85.000	85.00	1.100	12.992	0.380	4.331
0.018	100.000	100.00	1.100	12.992	0.380	4.331
0.309	85.000	85.00	0.091	13.039	0.376	2.047
1.965	100.000	100.00	0.091	13.039	0.376	2.047
0.533	0.000	0.00	1.310	13.039	0.378	2.047
0.272	100.000	100.00	1.310	13.039	0.378	2.047
0.070	100.000	100.00	1.310	13.039	0.378	2.047
5.514	10.000	10.00	1.310	13.039	0.378	2.047
0.321	100.000	100.00	1.310	13.039	0.378	2.047
2.714	10.000	10.00	5.142	13.039	0.391	2.047

Name: O14230  
 Group: BASE

Node: NO14230  
 Type: SCS Unit Hydrograph GA  
 Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: O14230

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00

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Rainfall Amount (in): 10.000

Time of Conc(min): 11.35  
 Time Shift (hrs): 0.00  
 Max Allowable Q(cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.633	85.000	85.00	3.242	13.039	0.366	4.331
0.005	25.000	20.00	3.242	13.039	0.366	4.331
0.000	0.000	0.00	3.242	13.039	0.366	4.331
0.420	85.000	85.00	0.027	13.039	0.404	2.047
0.003	25.000	20.00	0.027	13.039	0.404	2.047
0.060	0.000	0.00	0.027	13.039	0.404	2.047
0.000	85.000	85.00	0.000	13.039	0.852	11.811
0.014	85.000	85.00	1.100	12.992	0.380	4.331
0.160	85.000	85.00	0.091	13.039	0.376	2.047

Name: O14240  
 Group: BASE

Node: NO14240  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: O14240  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 19.23  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.044	100.000	100.00	0.000	13.039	0.852	11.811
0.028	85.000	85.00	1.100	12.992	0.380	4.331
0.028	100.000	100.00	1.100	12.992	0.380	4.331
0.257	85.000	85.00	0.091	13.039	0.376	2.047
0.603	100.000	100.00	0.091	13.039	0.376	2.047

Name: O14250  
 Group: BASE

Node: NO14250  
 Type: SCS Unit Hydrograph GA

Status: Onsite

Unit Hydrograph: Uh256  
 Rainfall File: O14250  
 Rainfall Amount (in): 10.000

Peaking Factor: 256.0  
 Storm Duration (hrs): 24.00  
 Time of Conc (min): 37.08  
 Time Shift (hrs): 0.00  
 Max Allowable Q (cfs): 999999.000

Area (ac)	Impervious (%)	DCIA (%)	Cutoff (ft)	*****	Eff Por (dec)	Suctn Hd (in)
0.161	85.000	85.00	3.242	13.039	0.366	4.331
0.000	25.000	20.00	3.242	13.039	0.366	4.331
0.082	85.000	85.00	0.000	13.039	0.366	2.047
0.204	100.000	100.00	0.000	13.039	0.366	2.047
0.566	25.000	20.00	0.000	13.039	0.366	2.047
0.044	0.000	0.00	0.000	13.039	0.366	2.047
0.120	85.000	85.00	3.165	13.039	0.385	2.047
0.734	25.000	20.00	3.165	13.039	0.385	2.047
1.151	25.000	20.00	3.242	13.039	0.366	4.331
0.480	0.000	0.00	3.242	13.039	0.366	4.331
0.024	85.000	85.00	1.100	12.992	0.380	4.331
0.089	100.000	100.00	1.100	12.992	0.380	4.331
0.057	100.000	100.00	0.091	13.039	0.376	2.047

==== Nodes =====

Name: BNDRY20  
 Group: BASE  
 Type: Time/Stage

Base Flow (cfs): 0.000

Init Stage (ft): 131.000  
 Warn Stage (ft): 141.740







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Name: NHH8102                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.250  
Group: BASE                              Warn Stage(ft): 142.000  
Type: Stage/Area

Stage (ft)	Area (ac)
131.000	1.0800
132.000	1.0800
133.000	4.1300
134.000	4.3800
135.000	4.4900
136.000	4.5900
137.000	4.7100
138.000	4.8600
139.000	5.1000
140.000	5.5700
141.000	5.7000

Name: NHH81052                      Base Flow(cfs): 0.000                      Init Stage(ft): 133.120  
Group: BASE                              Warn Stage(ft): 143.120  
Type: Stage/Area

Stage (ft)	Area (ac)
133.000	0.0400
136.000	0.0400
137.000	0.4900
138.000	0.5400
139.000	0.5600
140.000	0.5900
141.000	0.6100
142.000	0.6400
143.000	0.8000

Name: NHH81053                      Base Flow(cfs): 0.000                      Init Stage(ft): 134.080  
Group: BASE                              Warn Stage(ft): 146.000  
Type: Stage/Area

Stage (ft)	Area (ac)
134.000	0.0020
138.000	0.0300
139.000	0.2900
140.000	0.6600
141.000	1.1400
142.000	1.7400
143.000	2.2400
144.000	2.7500
145.000	3.0700
146.000	3.4400
147.000	3.6100
148.000	3.6500

Name: NHH81054                      Base Flow(cfs): 0.000                      Init Stage(ft): 134.840  
Group: BASE                              Warn Stage(ft): 143.840  
Type: Stage/Area

Stage (ft)	Area (ac)
134.000	0.0020
138.000	0.2600
139.000	0.4500

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140.000	0.7500
141.000	2.1400
142.000	3.2100
143.000	4.0700
144.000	4.5000
145.000	4.9500
146.000	5.3700
147.000	5.8200
148.000	6.0900

Name: NHH8116	Base Flow(cfs): 0.000	Init Stage(ft): 131.600
Group: BASE		Warn Stage(ft): 140.850
Type: Stage/Area		

Stage (ft)	Area (ac)
127.000	21.0000
128.000	21.0000
130.000	21.4800
131.000	21.4800
131.700	742.5250
132.000	1052.5140
132.500	1095.5520
132.900	1130.2060
133.000	1144.8600
134.000	1192.7100
135.000	1234.3000
136.000	1264.6300
137.000	1291.9700
138.000	1315.3000
139.000	1335.3300
140.000	1354.1100
141.000	1370.0100
142.000	1379.8700
143.000	1390.8300
144.000	1396.2100
145.000	1401.0300
146.000	1405.3700
147.000	1409.2600
148.000	1412.8000
149.000	1416.0900
150.000	1418.9600
151.000	1421.7800
152.000	1424.3700
153.000	1426.9500
154.000	1429.5300
155.000	1432.0400
156.000	1434.6400
157.000	1437.1900
158.000	1439.9700
159.000	1442.0600
160.000	1443.8500
161.000	1445.4700
162.000	1447.0100
163.000	1448.6200
164.000	1449.5200
165.000	1450.3000
166.000	1451.1200
167.000	1451.9000
168.000	1452.6900
169.000	1453.5100
170.000	1454.2700
171.000	1455.0100
172.000	1455.7500
173.000	1456.5500
174.000	1457.3800
175.000	1458.2500
176.000	1459.5800

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 CR 557 Widening  
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Name: NHH81161  
 Group: BASE  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 135.320  
 Warn Stage(ft): 145.590

Stage (ft)	Area (ac)
135.000	0.0020
136.000	0.0900
137.000	0.9000
138.000	1.5000
139.000	2.1500
140.000	2.9500
141.000	3.6300
142.000	4.5100
143.000	5.4200
144.000	6.2100
145.000	6.8900
146.000	7.5500
147.000	8.1100
148.000	8.6100
149.000	9.1100
150.000	9.6100
151.000	10.1100
152.000	10.6900
153.000	11.3200
154.000	12.0100
155.000	12.7100
156.000	13.4500
157.000	14.2300
158.000	15.3000
159.000	16.9300
160.000	19.0100
161.000	20.4000
162.000	21.5000
163.000	22.4400
164.000	23.3000
165.000	24.1100
166.000	24.9600
167.000	25.8700
168.000	26.7300
169.000	27.5300
170.000	28.8900
171.000	29.3200
172.000	29.7700
173.000	30.2200
174.000	30.6200
175.000	31.0800
176.000	31.5900

Name: NHH8117  
 Group: BASE  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 131.320  
 Warn Stage(ft): 140.740

Stage (ft)	Area (ac)
128.000	76.0000
129.000	76.0000
130.000	76.0000
131.000	77.5700
131.700	121.2920
132.000	145.4850
132.500	151.7920
132.900	156.8030
133.000	173.4500
134.000	185.3700
135.000	198.7900
136.000	209.3600
137.000	218.6400



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131.600	0.0002
132.000	0.0200
133.000	0.0200
134.000	0.1500
135.000	0.2800
136.000	0.5500
137.000	1.0500

Name: NHH81173                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.400  
 Group: BASE                              Warn Stage(ft): 138.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
132.000	0.0020
133.000	0.0800
134.000	0.0800
135.000	1.4200
136.000	2.8900
137.000	4.1600
138.000	5.1800
139.000	6.2100
140.000	7.1500
141.000	8.1500
142.000	9.0300
143.000	9.8100

Name: NHH8118                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.000  
 Group: BASE                              Warn Stage(ft): 138.910  
 Type: Stage/Area

Stage(ft)	Area(ac)
128.000	43.0000
130.000	43.0000
130.529	43.1732
131.529	123.6190
132.529	141.8380
133.529	155.4400
134.529	163.3820
135.529	169.4840
136.529	174.1060
137.529	176.4320
138.529	179.0080
139.529	181.3880
140.529	182.8370
141.529	184.0530
142.529	184.8710
143.529	185.5110
144.529	185.9670
145.529	186.6640
146.529	187.0490
147.529	187.4180
148.529	187.7330
149.529	188.0150
150.529	188.2810
151.529	188.5250
152.529	188.7720
153.529	189.0100
154.529	189.2800
155.529	189.6800
156.529	190.0060
157.529	190.3040
158.529	190.5170
159.529	190.6900
160.529	190.8240

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161.529      190.9080  
 162.756      191.0240

Name: NHH81180      Base Flow(cfs): 0.000      Init Stage(ft): 131.230  
 Group: BASE      Warn Stage(ft): 135.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
129.000	9.0000
130.000	9.0000
131.200	9.3176
131.500	14.0560
131.900	18.9780
132.000	20.3550
132.200	23.0440
132.500	25.6760
132.800	28.7240
133.000	34.0100
133.202	36.2345
134.202	40.6170
135.205	41.5553

Name: NHH81181      Base Flow(cfs): 0.000      Init Stage(ft): 131.230  
 Group: BASE      Warn Stage(ft): 141.710  
 Type: Stage/Area

Stage (ft)	Area (ac)
127.700	0.0100
129.000	0.2000
131.030	0.2000
131.530	1.9610
131.900	2.2510
132.000	2.3771
132.530	3.3572
133.000	4.7251
133.300	8.2385
133.530	9.1363
134.000	10.9487
134.530	12.6680
135.000	13.2404
135.530	13.8817
136.000	14.9849
136.530	15.1676
137.490	15.5378

Name: NHH811811      Base Flow(cfs): 0.000      Init Stage(ft): 130.500  
 Group: BASE      Warn Stage(ft): 135.000  
 Type: Stage/Area

New addition

Stage (ft)	Area (ac)
129.000	0.1360
130.450	0.1360
130.950	0.1957
131.950	0.2806
132.950	0.5647
133.950	1.6064
135.132	1.7797

Name: NHH81182      Base Flow(cfs): 0.000      Init Stage(ft): 131.110  
 Group: BASE      Warn Stage(ft): 141.000

Type: Stage/Area

Stage (ft)	Area (ac)
128.000	0.9000
130.000	0.9275
131.225	0.9275
132.225	1.7901
133.225	2.2148
134.225	2.2607
135.225	2.3118
136.225	2.3628
137.209	2.3944

Name: NHH811821      Base Flow(cfs): 0.000      Init Stage(ft): 132.120  
 Group: BASE      Warn Stage(ft): 136.000  
 Type: Stage/Area

New addition

Stage (ft)	Area (ac)
131.000	0.4000
131.795	0.4000
132.295	0.4959
133.295	0.6503
134.295	0.7128
135.295	0.8735
136.295	1.3527
137.293	1.5295

Name: NHH81183      Base Flow(cfs): 0.000      Init Stage(ft): 131.350  
 Group: BASE      Warn Stage(ft): 141.200  
 Type: Stage/Area

Stage (ft)	Area (ac)
128.000	4.2000
130.898	4.7290
131.398	4.7290
132.398	9.2650
133.398	15.0570
134.341	16.6710

Name: NHH811831      Base Flow(cfs): 0.000      Init Stage(ft): 132.170  
 Group: BASE      Warn Stage(ft): 135.000  
 Type: Stage/Area

New addition

Stage (ft)	Area (ac)
128.000	1.0000
130.986	1.0000
131.486	1.1077
132.486	2.0678
133.486	7.4110
134.486	9.1173
135.486	9.3882
136.486	9.7635
137.486	10.3220
138.486	10.6348
139.486	10.7053
140.486	10.7645
141.486	10.8230
142.486	10.8764

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143.486	10.9343
144.486	10.9854
145.486	11.0296
146.486	11.0755
147.486	11.1128
148.486	11.1507
149.486	11.1840
150.486	11.2127
151.486	11.2437
152.486	11.2735
153.486	11.3057
154.486	11.3355
155.486	11.3642
156.486	11.3895
157.486	11.4101
158.264	11.4319

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Name: NHH81184                    Base Flow(cfs): 0.000                    Init Stage(ft): 133.420  
Group: BASE                        Warn Stage(ft): 138.000  
Type: Stage/Area

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Stage (ft)	Area (ac)
133.000	0.0020
134.000	0.1700
135.000	1.0700
136.000	3.0000
137.000	3.7000
138.000	4.0800
139.000	4.4000
140.000	4.6200

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Name: NHH811841                    Base Flow(cfs): 0.000                    Init Stage(ft): 130.720  
Group: BASE                        Warn Stage(ft): 143.420  
Type: Stage/Area

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Stage (ft)	Area (ac)
129.370	0.0100
133.420	0.0100
133.500	0.0100
134.000	0.0600
135.000	0.5000
136.000	1.2000
137.000	1.6500
138.000	2.0000
139.000	2.1500
140.000	2.2500
141.000	2.3000

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Name: NHH81185                    Base Flow(cfs): 0.000                    Init Stage(ft): 134.900  
Group: BASE                        Warn Stage(ft): 144.900  
Type: Stage/Area

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Stage (ft)	Area (ac)
134.000	0.0020
135.000	0.0500
136.000	0.7200
137.000	2.2200
138.000	2.2500

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Name: NHH811851                    Base Flow(cfs): 0.000                    Init Stage(ft): 132.250



Group: BASE  
 Type: Stage/Area

Warn Stage(ft): 144.900

Stage (ft)	Area (ac)
131.000	0.0100
134.900	0.0100
135.000	0.0200
136.000	0.3500
137.000	1.0000
138.000	1.1000

Name: NHH81186  
 Group: BASE  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 133.100  
 Warn Stage(ft): 143.250

Stage (ft)	Area (ac)
133.000	0.0200
134.000	0.8400
135.000	2.3900
136.000	5.5100
137.000	6.2900
138.000	7.1900

Name: NHH811861  
 Group: BASE  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 130.820  
 Warn Stage(ft): 143.250

Stage (ft)	Area (ac)
129.000	0.0100
133.000	0.0100
134.000	0.4000
135.000	1.1900
136.000	2.6200
137.000	3.0300
138.000	3.5900

Name: NHH81187  
 Group: BASE  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 133.330  
 Warn Stage(ft): 143.510

Stage (ft)	Area (ac)
133.000	0.0020
134.000	0.6800
135.000	1.3700
136.000	2.7000

Name: NHH811871  
 Group: BASE  
 Type: Stage/Area

Base Flow(cfs): 0.000

Init Stage(ft): 131.000  
 Warn Stage(ft): 143.510

Stage (ft)	Area (ac)
128.000	0.0040
133.510	0.0040
133.600	0.0100

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134.000	0.3400
135.000	0.6900
136.000	1.2300

Name: NHH81188	Base Flow(cfs): 0.000	Init Stage(ft): 131.000
Group: BASE		Warn Stage(ft): 143.280
Type: Stage/Area		

Stage (ft)	Area (ac)
128.000	0.0200
133.039	0.0200
134.039	0.5220
135.039	1.1010
136.039	1.8260
137.039	2.5490
138.039	2.8030
139.039	3.1440
140.039	3.3890
141.192	3.6770

Name: NHH8119	Base Flow(cfs): 0.000	Init Stage(ft): 131.820
Group: BASE		Warn Stage(ft): 141.640
Type: Stage/Area		

Stage (ft)	Area (ac)
127.000	0.0100
130.000	0.0100
131.000	1.0700
132.000	1.3500
133.000	1.4900
134.000	1.6600
135.000	1.9700
136.000	2.3200
137.000	2.5400
138.000	2.7000
139.000	2.8300
140.000	2.9700
141.000	3.0600
142.000	3.1800
143.000	3.2800
144.000	3.3700
145.000	3.4500
146.000	3.5400
147.000	3.7000
148.000	3.7800
149.000	3.8000

Name: NHH81192	Base Flow(cfs): 0.000	Init Stage(ft): 131.660
Group: BASE		Warn Stage(ft): 141.660
Type: Stage/Area		

Stage (ft)	Area (ac)
131.000	0.0020
132.000	1.6900
133.000	1.9300
134.000	2.1500
135.000	2.3900
136.000	2.5900
137.000	2.7500
138.000	2.8800
139.000	3.0300

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140.000	3.1900
141.000	3.4700
142.000	3.7500
143.000	3.8000
144.000	3.8200
145.000	3.8400
146.000	3.8600
147.000	3.8900

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Name: NHH8120          Base Flow(cfs): 0.000      Init Stage(ft): 133.860
Group: BASE           Warn Stage(ft): 145.170
Type: Stage/Area
  
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Stage(ft)	Area(ac)
133.000	0.0300
134.000	0.0300
135.000	0.2300
136.000	0.5500
137.000	0.7100
138.000	0.8300
139.000	1.0800
140.000	1.4300
141.000	1.6500
142.000	1.9100
143.000	2.3800
144.000	2.9400
145.000	3.5800
146.000	4.5900
147.000	4.9000
148.000	5.0800

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Name: NHH8125          Base Flow(cfs): 0.000      Init Stage(ft): 132.290
Group: BASE           Warn Stage(ft): 142.280
Type: Stage/Area
  
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Stage(ft)	Area(ac)
131.000	0.5000
132.000	0.5000
134.000	0.5900
135.000	1.7900
136.000	2.1400
137.000	2.4000
138.000	2.4500
139.000	2.4800
140.000	2.5000
141.000	2.5200
142.000	2.5400
143.000	2.5600
144.000	2.5700
145.000	2.5800
146.000	2.5900
147.000	2.6000
148.000	2.6100
149.000	2.6200
150.000	2.6200
151.000	2.6300
152.000	2.6300
153.000	2.6400
154.000	2.6400
155.000	2.6400
156.000	2.6400
157.000	2.6400
158.000	2.6500
159.000	2.6500
160.000	2.6500

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161.000	2.6500
162.000	2.6600
163.000	2.6600
164.000	2.6600
165.000	2.6600
166.000	2.6700

Name: NHH8130	Base Flow(cfs): 0.000	Init Stage(ft): 134.610
Group: BASE		Warn Stage(ft): 145.000
Type: Stage/Area		

Stage(ft)	Area(ac)
134.000	0.1900
135.000	0.1900
136.000	0.3800
137.000	1.0800
138.000	1.1200

Name: NHH8135	Base Flow(cfs): 0.000	Init Stage(ft): 135.440
Group: BASE		Warn Stage(ft): 145.440
Type: Stage/Area		

Stage(ft)	Area(ac)
135.000	0.0020
136.000	0.0300
137.000	0.4200

Name: NHH8140	Base Flow(cfs): 0.000	Init Stage(ft): 134.440
Group: BASE		Warn Stage(ft): 144.500
Type: Stage/Area		

Stage(ft)	Area(ac)
134.000	0.0020
135.000	0.1600
136.000	0.3000
137.000	0.7700
138.000	0.8300

Name: NHH8145	Base Flow(cfs): 0.000	Init Stage(ft): 130.720
Group: BASE		Warn Stage(ft): 139.770
Type: Stage/Area		

Stage(ft)	Area(ac)
129.000	0.0600
132.000	0.0600
133.000	0.5700
134.000	1.2500
135.000	1.7800
136.000	2.4700
137.000	2.9000
138.000	3.0400
139.000	3.0600
140.000	3.0700

Name: NHH8150	Base Flow(cfs): 0.000	Init Stage(ft): 133.140
Group: BASE		Warn Stage(ft): 143.140

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Type: Stage/Area

Stage (ft)	Area (ac)
127.000	0.0020
133.000	0.0020
134.000	0.0200
135.000	0.4500
136.000	1.1600
137.000	1.7100
138.000	2.1800
139.000	2.7500
140.000	3.4200
141.000	3.5300
142.000	3.6400
143.000	3.7800
144.000	3.8800
145.000	3.9500
146.000	4.0300
147.000	4.2100
148.000	4.3500
149.000	4.4000

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Name: NHH8155                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.500  
 Group: BASE                                              Warn Stage(ft): 140.600  
 Type: Stage/Area

Stage (ft)	Area (ac)
128.000	1.0000
130.000	1.0000
131.000	1.3300
132.000	1.5800
133.000	1.9000
134.000	2.2900
135.000	2.5300
136.000	3.4000

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Name: NHH8160                      Base Flow(cfs): 0.000                      Init Stage(ft): 131.000  
 Group: BASE                                              Warn Stage(ft): 138.570  
 Type: Stage/Area

Stage (ft)	Area (ac)
127.000	0.0300
128.000	0.0300
132.000	0.0300
133.000	0.0500
134.000	0.1200
135.000	0.3600
136.000	0.6900

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Name: NHH8165                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.490  
 Group: BASE                                              Warn Stage(ft): 142.490  
 Type: Stage/Area

Stage (ft)	Area (ac)
132.000	0.0020
134.000	0.0100
135.000	0.2600
136.000	2.0600





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Stage (ft)	Area (ac)
131.000	0.5500
132.000	0.5500
133.000	0.6300
134.000	0.9000
135.000	1.1200
136.000	1.3900
137.000	1.6700
138.000	2.0800

Name: NO14136                  Base Flow(cfs): 0.000                  Init Stage(ft): 133.500  
 Group: BASE                      Warn Stage(ft): 144.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
133.000	2.0800
134.000	2.0800
135.000	2.5400
136.000	3.3600
137.000	5.6100
138.000	8.1100
139.000	8.3100

Name: NO14211                  Base Flow(cfs): 0.000                  Init Stage(ft): 132.990  
 Group: BASE                      Warn Stage(ft): 143.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
132.000	0.0020
133.000	3.0200
134.000	4.3100
135.000	5.1800
136.000	5.9700
137.000	6.7400
138.000	7.3900
139.000	8.0200
140.000	8.6300
141.000	9.3100
142.000	9.9800
143.000	10.7200
144.000	11.4400
145.000	12.4900
146.000	13.0100
147.000	13.4000
148.000	13.7200
149.000	14.0200
150.000	14.2900
151.000	14.5500
152.000	14.7800
153.000	15.0000
154.000	15.2400
155.000	15.4700
156.000	15.6900
157.000	15.8600

Name: NO14212                  Base Flow(cfs): 0.000                  Init Stage(ft): 132.090  
 Group: BASE                      Warn Stage(ft): 140.000  
 Type: Stage/Area



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Stage (ft)	Area (ac)
132.000	0.0020
134.000	0.0040
135.000	0.1800
136.000	1.4900
137.000	2.1000
138.000	2.6100
139.000	3.1700
140.000	3.7700
141.000	4.4600
142.000	5.3300
143.000	6.3200
144.000	7.3800
145.000	9.5800
146.000	10.5200
147.000	11.1900
148.000	11.8600
149.000	12.5500
150.000	13.2500
151.000	13.8800
152.000	14.4700
153.000	15.0900
154.000	16.1700
155.000	16.8200
156.000	17.3500
157.000	17.8200
158.000	18.4800
159.000	18.9200

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Name: NO14220	Base Flow(cfs): 0.000	Init Stage(ft): 131.000
Group: BASE		Warn Stage(ft): 141.000
Type: Stage/Area		

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Stage (ft)	Area (ac)
130.000	0.0020
131.000	0.2200
131.500	18.9200
131.800	29.2980
132.000	36.7300
133.000	42.9220
133.300	44.4170
133.500	46.6600
134.000	49.2800
135.000	54.3900
136.000	58.7900
137.000	62.6500
138.000	65.1500
139.000	68.1100
140.000	70.6200
141.000	72.0600
142.000	73.0800
143.000	73.9700
144.000	74.8400
145.000	75.6900
146.000	76.5400
147.000	77.3600
148.000	78.2000
149.000	79.0300
150.000	79.8600
151.000	80.7100
152.000	81.5600
153.000	82.4400
154.000	83.3300
155.000	84.1800
156.000	85.0300
157.000	85.8900
158.000	86.7200
159.000	87.3500

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160.000      88.0800  
 161.000      88.7400  
 162.000      89.1200

Name: NO14230      Base Flow(cfs): 0.000      Init Stage(ft): 133.580  
 Group: BASE      Warn Stage(ft): 145.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
133.000	0.0020
134.000	0.0300
135.000	0.0300
136.000	0.2900
137.000	0.9100
138.000	1.2900

Name: NO14240      Base Flow(cfs): 0.000      Init Stage(ft): 132.000  
 Group: BASE      Warn Stage(ft): 142.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.000	0.0500
132.000	0.0500
133.000	0.2300
134.000	0.6000
135.000	0.9500

Name: NO14250      Base Flow(cfs): 0.000      Init Stage(ft): 134.830  
 Group: BASE      Warn Stage(ft): 145.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
134.000	0.0200
135.000	0.0200
136.000	0.7100
137.000	2.1800
138.000	3.5500
139.000	3.7100

Name: POND5      Base Flow(cfs): 0.000      Init Stage(ft): 132.010  
 Group: BASE      Warn Stage(ft): 134.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.800	1.8300
132.100	1.8700
134.000	2.0800
135.000	2.1900
136.000	2.6400

Name: POND6      Base Flow(cfs): 0.000      Init Stage(ft): 131.990  
 Group: BASE      Warn Stage(ft): 134.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.700	1.9500
132.100	2.0000
134.000	2.2500
135.000	2.3800
136.000	2.9100

Name: POND7                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.050  
 Group: BASE                      Warn Stage(ft): 134.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.700	1.4300
132.200	1.4800
134.000	1.6500
135.000	1.7400
136.000	2.1300

Name: POND8                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.250  
 Group: BASE                      Warn Stage(ft): 134.300  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.900	1.6500
132.400	1.7200
134.300	1.9500
135.300	2.0800

==== Cross Sections =====

Name: BNDRYW                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	159.540	0.120000
0.000	137.215	0.120000
10.000	137.260	0.120000
20.000	137.485	0.120000
30.000	137.557	0.120000
40.000	137.743	0.120000
49.996	137.843	0.120000
59.996	138.110	0.120000
69.996	138.510	0.120000
79.996	138.635	0.120000
89.996	139.012	0.120000
99.996	139.601	0.120000
109.996	139.849	0.120000
119.996	140.154	0.120000
129.996	140.384	0.120000
139.996	140.838	0.120000
149.996	140.934	0.120000
159.996	141.051	0.120000
169.996	141.692	0.120000
179.996	141.818	0.120000
189.996	142.305	0.120000
199.996	142.733	0.120000
209.989	142.634	0.120000
219.989	142.596	0.120000
229.989	142.682	0.120000

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239.989	142.752	0.120000
249.989	142.986	0.120000
259.989	143.095	0.120000
269.989	143.365	0.120000
279.989	143.412	0.120000
289.983	143.951	0.120000
299.983	144.045	0.120000
309.983	144.310	0.120000
319.983	144.244	0.120000
329.983	144.470	0.120000
339.983	144.600	0.120000
349.983	144.473	0.120000
359.983	144.916	0.120000
369.983	144.863	0.120000
379.983	144.775	0.120000
389.983	145.023	0.120000
399.983	144.975	0.120000
409.983	145.185	0.120000
419.983	145.442	0.120000
429.983	145.400	0.120000
439.981	145.259	0.120000
449.981	145.381	0.120000
459.981	145.355	0.120000
469.981	145.316	0.120000
479.981	145.353	0.120000
489.981	145.297	0.120000
499.981	145.388	0.120000
509.981	145.468	0.120000
519.981	145.606	0.120000
529.981	145.335	0.120000
539.981	144.852	0.120000
549.981	145.172	0.120000
559.981	144.902	0.120000
569.981	145.118	0.120000
579.981	144.898	0.120000
589.981	144.773	0.120000
599.981	144.856	0.120000
609.981	144.591	0.120000
619.981	144.371	0.120000
629.964	144.244	0.120000
639.964	143.998	0.120000
649.964	144.057	0.120000
659.964	143.768	0.120000
669.964	143.776	0.120000
679.482	143.623	0.120000
689.482	143.616	0.120000
699.482	143.491	0.120000
708.592	143.339	0.120000
718.592	143.187	0.120000
728.592	142.875	0.120000
738.592	142.706	0.120000
748.592	142.406	0.120000
758.592	142.228	0.120000
768.592	141.938	0.120000
778.592	141.553	0.120000
788.592	141.563	0.120000
798.592	141.099	0.120000
808.592	140.899	0.120000
818.592	140.600	0.120000
828.592	140.389	0.120000
838.592	140.055	0.120000
848.592	139.732	0.120000
858.592	139.583	0.120000
868.592	139.431	0.120000
878.592	139.361	0.120000
888.592	138.897	0.120000
898.592	138.755	0.120000
908.592	138.632	0.120000
918.592	138.367	0.120000
928.592	138.135	0.120000
938.592	138.048	0.120000
948.592	137.819	0.120000
958.587	137.681	0.120000

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968.587	137.313	0.120000
978.587	137.465	0.120000
988.587	136.923	0.120000
998.587	136.867	0.120000
1008.587	136.656	0.120000
1018.587	136.455	0.120000
1028.587	136.326	0.120000
1038.587	136.310	0.120000
1048.587	136.070	0.120000
1058.587	135.845	0.120000
1068.587	135.760	0.120000
1078.585	135.684	0.120000
1088.585	135.625	0.120000
1098.585	135.502	0.120000
1108.585	135.500	0.120000
1118.585	135.429	0.120000
1128.585	135.522	0.120000
1138.585	135.400	0.120000
1148.585	135.221	0.120000
1158.585	135.296	0.120000
1168.585	135.213	0.120000
1178.585	135.149	0.120000
1188.585	135.169	0.120000
1198.585	135.254	0.120000
1208.584	135.154	0.120000
1218.584	135.217	0.120000
1228.584	135.095	0.120000
1238.584	135.073	0.120000
1248.584	135.096	0.120000
1258.584	135.108	0.120000
1268.584	135.160	0.120000
1278.584	135.202	0.120000
1288.584	135.093	0.120000
1298.584	135.048	0.120000
1308.584	135.189	0.120000
1318.584	134.983	0.120000
1328.584	135.131	0.120000
1338.584	135.128	0.120000
1348.584	135.101	0.120000
1358.584	135.185	0.120000
1368.584	134.982	0.120000
1378.584	134.834	0.120000
1388.584	134.841	0.120000
1398.584	134.747	0.120000
1408.584	134.764	0.120000
1418.584	134.727	0.120000
1428.584	134.880	0.120000
1438.584	134.607	0.120000
1448.584	134.741	0.120000
1458.584	134.808	0.120000
1468.584	134.794	0.120000
1478.584	134.834	0.120000
1488.584	134.881	0.120000
1498.584	134.984	0.120000
1508.584	134.997	0.120000
1518.584	135.150	0.120000
1528.584	135.045	0.120000
1538.584	134.928	0.120000
1548.584	134.944	0.120000
1558.584	134.840	0.120000
1568.584	134.847	0.120000
1578.584	134.801	0.120000
1588.584	134.757	0.120000
1598.584	134.823	0.120000
1608.584	134.889	0.120000
1618.584	134.826	0.120000
1628.584	134.809	0.120000
1638.584	134.836	0.120000
1648.583	134.811	0.120000
1658.583	134.764	0.120000
1668.583	134.731	0.120000
1678.583	134.896	0.120000
1688.583	134.781	0.120000

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1698.583	134.747	0.120000
1708.583	134.872	0.120000
1718.583	134.664	0.120000
1728.583	134.642	0.120000
1738.583	134.756	0.120000
1748.583	134.836	0.120000
1758.583	134.818	0.120000
1768.583	134.764	0.120000
1778.583	134.764	0.120000
1788.583	134.809	0.120000
1798.583	134.487	0.120000
1808.583	134.438	0.120000
1818.583	134.644	0.120000
1828.583	134.474	0.120000
1838.583	134.444	0.120000
1848.583	134.501	0.120000
1858.583	134.154	0.120000
1868.583	134.364	0.120000
1878.583	134.293	0.120000
1888.583	134.372	0.120000
1898.583	134.244	0.120000
1908.583	134.175	0.120000
1918.583	134.207	0.120000
1928.583	134.032	0.120000
1938.583	133.996	0.120000
1948.583	134.033	0.120000
1958.583	133.932	0.120000
1968.583	133.817	0.120000
1978.583	133.833	0.120000
1988.583	133.672	0.120000
1998.583	133.506	0.120000
2008.582	133.503	0.120000
2018.582	133.594	0.120000
2028.582	133.524	0.120000
2038.582	133.631	0.120000
2048.582	133.322	0.120000
2058.582	133.176	0.120000
2068.582	133.149	0.120000
2078.582	132.925	0.120000
2088.582	132.937	0.120000
2098.582	132.829	0.120000
2108.582	132.782	0.120000
2118.582	132.796	0.120000
2128.582	132.737	0.120000
2138.582	132.758	0.120000
2148.582	132.837	0.120000
2158.582	133.130	0.120000
2168.582	133.249	0.120000
2178.582	133.325	0.120000
2188.582	133.313	0.120000
2198.582	133.396	0.120000
2208.582	133.541	0.120000
2218.582	133.636	0.120000
2228.582	133.608	0.120000
2238.582	133.804	0.120000
2248.582	133.854	0.120000
2258.582	133.817	0.120000
2268.582	133.869	0.120000
2278.582	133.912	0.120000
2288.582	134.076	0.120000
2298.582	134.018	0.120000
2308.582	133.946	0.120000
2318.582	133.669	0.120000
2328.582	133.693	0.120000
2338.582	133.710	0.120000
2348.582	133.725	0.120000
2358.582	133.913	0.120000
2368.582	134.269	0.120000
2378.582	134.358	0.120000
2388.582	134.530	0.120000
2398.582	134.556	0.120000
2408.582	134.510	0.120000
2418.582	134.557	0.120000

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2428.580	134.543	0.120000
2438.580	134.659	0.120000
2448.580	134.677	0.120000
2458.580	134.729	0.120000
2468.567	134.757	0.120000
2478.567	134.877	0.120000
2488.567	134.888	0.120000
2498.567	135.040	0.120000
2508.531	135.172	0.120000
2518.531	135.116	0.120000
2528.531	134.758	0.120000
2538.520	134.658	0.120000
2548.520	134.607	0.120000
2557.858	134.530	0.120000
2567.858	135.020	0.120000
2577.858	135.837	0.120000
2587.858	136.233	0.120000
2597.799	136.005	0.120000
2607.366	135.784	0.120000
2617.366	135.820	0.120000
2627.366	136.038	0.120000
2637.366	136.565	0.120000
2647.366	136.775	0.120000
2657.366	137.121	0.120000
2667.366	137.356	0.120000
2677.366	137.794	0.120000
2687.366	137.888	0.120000
2697.366	138.032	0.120000
2707.366	138.297	0.120000
2717.366	138.534	0.120000
2727.366	139.098	0.120000
2737.366	139.450	0.120000
2747.366	139.675	0.120000
2757.366	140.043	0.120000
2767.366	140.272	0.120000
2777.366	140.625	0.120000
2787.366	140.891	0.120000
2797.366	141.160	0.120000
2807.366	141.407	0.120000
2817.366	141.848	0.120000
2827.366	142.228	0.120000
2837.366	142.557	0.120000
2847.366	142.915	0.120000
2857.366	142.854	0.120000
2867.366	143.370	0.120000
2877.366	143.405	0.120000
2887.366	144.063	0.120000
2897.365	143.712	0.120000
2907.365	144.489	0.120000
2917.365	144.691	0.120000
2927.365	145.010	0.120000
2937.365	145.090	0.120000
2947.365	145.301	0.120000
2957.365	145.963	0.120000
2967.365	146.347	0.120000
2977.365	146.559	0.120000
2987.365	146.922	0.120000
2997.361	147.453	0.120000
3007.361	147.691	0.120000
3017.361	148.034	0.120000
3027.361	148.175	0.120000
3037.361	148.533	0.120000
3047.361	149.409	0.120000
3057.361	149.325	0.120000
3067.361	149.435	0.120000
3077.361	149.748	0.120000
3087.361	150.589	0.120000
3097.359	150.907	0.120000
3107.359	151.388	0.120000
3117.359	151.373	0.120000
3127.359	152.522	0.120000
3137.359	152.756	0.120000
3147.359	152.507	0.120000

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3157.359	153.332	0.120000
3167.359	153.106	0.120000
3177.359	154.081	0.120000
3187.359	154.410	0.120000
3197.359	154.896	0.120000
3207.359	154.880	0.120000
3217.359	155.386	0.120000
3227.359	155.754	0.120000
3237.359	155.805	0.120000
3247.359	155.877	0.120000
3257.359	156.776	0.120000
3267.359	157.117	0.120000
3277.359	157.323	0.120000
3287.359	157.375	0.120000
3297.359	157.651	0.120000
3307.354	157.921	0.120000
3317.354	157.986	0.120000
3327.354	158.161	0.120000
3337.354	158.244	0.120000
3347.354	158.365	0.120000
3357.354	158.514	0.120000
3367.354	158.402	0.120000
3377.354	158.555	0.120000
3387.354	158.989	0.120000
3397.354	159.107	0.120000
3407.296	159.167	0.120000
3417.296	159.540	0.120000
3427.296	158.871	0.120000
3435.008	157.798	0.120000
3445.008	154.315	0.120000
3455.008	150.519	0.120000
3465.008	147.975	0.120000
3475.008	144.006	0.120000
3485.008	141.173	0.120000
3495.008	138.738	0.120000
3505.008	138.863	0.120000
3515.008	139.009	0.120000
3525.008	139.073	0.120000
3535.008	139.202	0.120000
3545.008	139.783	0.120000
3555.008	140.016	0.120000
3565.008	140.536	0.120000
3575.008	140.976	0.120000
3582.456	141.192	0.120000
3582.556	159.540	0.120000

Name: RH8200B  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.325	0.120000
0.000	136.920	0.120000
6.455	136.749	0.120000
16.455	136.867	0.120000
26.455	136.840	0.120000
36.455	136.840	0.120000
46.455	136.744	0.120000
56.455	136.779	0.120000
66.455	136.873	0.120000
76.455	136.851	0.120000
86.455	136.824	0.120000
96.455	136.723	0.120000
106.455	136.727	0.120000
116.455	136.811	0.120000
126.455	136.791	0.120000
136.431	136.825	0.120000
146.431	136.824	0.120000
156.431	136.802	0.120000
165.427	136.825	0.120000



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175.427	136.694	0.120000
185.199	136.637	0.120000
195.199	136.685	0.120000
205.199	136.621	0.120000
215.199	136.714	0.120000
225.199	136.499	0.120000
235.199	136.571	0.120000
245.199	136.478	0.120000
255.199	136.402	0.120000
265.191	136.695	0.120000
275.191	136.553	0.120000
285.191	136.559	0.120000
295.191	136.807	0.120000
305.191	136.802	0.120000
315.191	136.765	0.120000
325.191	136.799	0.120000
335.191	136.803	0.120000
345.191	136.835	0.120000
355.176	136.832	0.120000
365.176	136.826	0.120000
375.176	136.852	0.120000
385.176	136.843	0.120000
395.176	136.751	0.120000
405.176	136.798	0.120000
415.176	136.737	0.120000
425.176	136.671	0.120000
435.176	136.718	0.120000
445.176	136.706	0.120000
455.176	136.700	0.120000
465.176	136.718	0.120000
475.176	136.473	0.120000
485.176	136.581	0.120000
495.176	136.454	0.120000
505.176	136.325	0.120000
515.156	136.559	0.120000
525.156	136.551	0.120000
535.156	136.533	0.120000
545.156	136.763	0.120000
555.156	136.903	0.120000
565.156	136.870	0.120000
575.156	136.793	0.120000
585.156	136.942	0.120000
595.156	136.859	0.120000
605.156	136.868	0.120000
615.156	137.048	0.120000
625.156	137.125	0.120000
635.156	136.979	0.120000
645.156	136.923	0.120000
655.156	136.956	0.120000
665.149	136.993	0.120000
675.149	137.134	0.120000
685.149	136.931	0.120000
695.149	136.986	0.120000
705.149	136.855	0.120000
715.149	136.933	0.120000
725.149	136.972	0.120000
735.149	136.934	0.120000
745.149	136.940	0.120000
755.149	136.956	0.120000
765.149	136.953	0.120000
775.149	137.022	0.120000
785.149	137.001	0.120000
795.149	136.939	0.120000
805.149	137.070	0.120000
815.149	136.962	0.120000
825.149	136.969	0.120000
835.149	136.938	0.120000
845.149	137.079	0.120000
855.149	137.045	0.120000
865.149	136.958	0.120000
875.149	136.926	0.120000
885.149	136.920	0.120000
895.146	137.034	0.120000

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905.146	137.034	0.120000
915.146	137.011	0.120000
925.146	136.909	0.120000
935.146	136.974	0.120000
945.146	136.907	0.120000
955.146	136.934	0.120000
965.146	136.876	0.120000
975.146	137.028	0.120000
985.146	136.911	0.120000
995.146	136.901	0.120000
1005.146	136.981	0.120000
1015.146	136.979	0.120000
1025.146	136.959	0.120000
1035.146	137.094	0.120000
1045.146	136.982	0.120000
1055.146	136.935	0.120000
1065.146	136.923	0.120000
1075.146	136.892	0.120000
1085.146	136.787	0.120000
1095.146	136.801	0.120000
1105.146	136.831	0.120000
1115.146	136.781	0.120000
1125.146	136.709	0.120000
1135.146	136.697	0.120000
1145.146	136.674	0.120000
1155.146	136.540	0.120000
1165.146	136.808	0.120000
1175.146	136.579	0.120000
1185.146	136.705	0.120000
1195.146	136.709	0.120000
1205.146	136.670	0.120000
1215.131	136.602	0.120000
1225.131	136.682	0.120000
1235.131	136.580	0.120000
1245.131	136.804	0.120000
1255.131	136.702	0.120000
1265.131	136.750	0.120000
1275.131	136.525	0.120000
1285.131	136.766	0.120000
1295.131	136.681	0.120000
1305.131	136.734	0.120000
1315.131	136.833	0.120000
1325.131	137.016	0.120000
1335.131	137.006	0.120000
1345.131	136.858	0.120000
1355.131	136.783	0.120000
1365.131	137.023	0.120000
1375.131	136.969	0.120000
1385.131	136.988	0.120000
1395.131	137.021	0.120000
1405.131	137.035	0.120000
1415.131	136.971	0.120000
1425.131	137.035	0.120000
1435.131	136.970	0.120000
1445.131	136.961	0.120000
1455.131	137.088	0.120000
1465.131	137.138	0.120000
1475.131	137.141	0.120000
1485.131	137.042	0.120000
1495.131	137.105	0.120000
1505.131	137.072	0.120000
1515.131	137.127	0.120000
1525.131	137.140	0.120000
1535.131	137.131	0.120000
1545.126	137.125	0.120000
1555.126	137.038	0.120000
1565.126	137.100	0.120000
1575.126	137.138	0.120000
1585.126	137.114	0.120000
1595.126	137.226	0.120000
1605.126	137.270	0.120000
1615.126	137.223	0.120000
1625.126	137.250	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
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1635.126	137.221	0.120000
1645.126	137.328	0.120000
1655.126	137.180	0.120000
1665.126	137.272	0.120000
1675.126	137.154	0.120000
1685.126	137.111	0.120000
1695.126	137.104	0.120000
1705.126	137.272	0.120000
1715.126	137.274	0.120000
1725.126	137.260	0.120000
1735.126	137.170	0.120000
1745.126	137.159	0.120000
1755.126	137.216	0.120000
1765.126	137.160	0.120000
1775.126	137.222	0.120000
1785.126	137.014	0.120000
1795.126	137.178	0.120000
1805.126	137.121	0.120000
1815.126	137.073	0.120000
1825.126	137.219	0.120000
1835.126	137.162	0.120000
1845.126	137.287	0.120000
1855.126	137.067	0.120000
1865.126	137.066	0.120000
1875.126	137.125	0.120000
1885.126	137.131	0.120000
1895.126	137.119	0.120000
1905.126	137.162	0.120000
1915.043	137.119	0.120000
1925.043	137.278	0.120000
1934.997	137.293	0.120000
1944.997	137.215	0.120000
1954.997	137.381	0.120000
1964.997	137.320	0.120000
1974.997	137.200	0.120000
1984.997	137.295	0.120000
1994.997	137.260	0.120000
2004.997	137.198	0.120000
2014.997	137.250	0.120000
2024.997	137.216	0.120000
2034.997	137.403	0.120000
2044.994	137.338	0.120000
2054.994	137.357	0.120000
2064.994	137.263	0.120000
2074.994	137.284	0.120000
2084.994	137.284	0.120000
2094.994	137.282	0.120000
2104.994	137.327	0.120000
2114.994	137.303	0.120000
2124.994	137.340	0.120000
2134.994	137.298	0.120000
2144.994	137.348	0.120000
2154.994	137.372	0.120000
2164.994	137.301	0.120000
2174.994	137.331	0.120000
2184.993	137.251	0.120000
2194.993	137.288	0.120000
2204.993	137.271	0.120000
2214.993	137.339	0.120000
2224.993	137.138	0.120000
2234.993	137.240	0.120000
2242.536	137.292	0.120000
2250.853	137.338	0.120000
2260.853	137.275	0.120000
2270.853	137.289	0.120000
2280.853	137.371	0.120000
2290.853	137.390	0.120000
2300.853	137.223	0.120000
2310.853	137.226	0.120000
2320.853	137.268	0.120000
2330.853	137.273	0.120000
2340.846	137.257	0.120000
2350.846	137.244	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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2360.846	137.106	0.120000
2370.846	137.141	0.120000
2380.846	137.058	0.120000
2390.846	136.966	0.120000
2400.846	137.074	0.120000
2410.846	137.080	0.120000
2420.841	137.063	0.120000
2430.841	136.998	0.120000
2440.841	137.088	0.120000
2450.841	137.126	0.120000
2460.841	137.138	0.120000
2470.841	137.098	0.120000
2480.841	137.228	0.120000
2490.841	137.213	0.120000
2500.841	137.227	0.120000
2510.841	137.029	0.120000
2520.841	137.129	0.120000
2530.841	137.243	0.120000
2540.841	137.212	0.120000
2550.841	137.327	0.120000
2560.841	137.244	0.120000
2570.841	137.214	0.120000
2580.841	137.270	0.120000
2590.841	137.350	0.120000
2600.841	137.402	0.120000
2610.827	137.168	0.120000
2620.827	137.261	0.120000
2630.827	137.283	0.120000
2640.827	137.233	0.120000
2640.927	141.325	0.120000

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 Name: RHH8102  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.965	0.120000
0.000	132.795	0.120000
4.028	132.795	0.120000
14.028	132.830	0.120000
24.028	132.751	0.120000
34.028	132.627	0.120000
44.028	132.499	0.120000
54.028	132.615	0.120000
64.028	132.604	0.120000
74.028	132.597	0.120000
84.028	132.685	0.120000
93.967	132.826	0.120000
103.967	132.866	0.120000
113.967	132.897	0.120000
123.967	132.889	0.120000
133.353	132.834	0.120000
143.353	132.674	0.120000
153.353	132.666	0.120000
163.353	132.649	0.120000
173.353	132.516	0.120000
183.353	132.411	0.120000
192.295	132.368	0.120000
202.295	132.286	0.120000
212.295	132.272	0.120000
222.295	132.385	0.120000
232.295	132.585	0.120000
242.295	132.812	0.120000
252.295	132.721	0.120000
262.263	132.572	0.120000
272.263	132.196	0.120000
282.263	132.130	0.120000
292.263	132.101	0.120000
302.255	132.036	0.120000
312.255	132.043	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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322.255	132.035	0.120000
332.255	132.067	0.120000
341.934	132.146	0.120000
351.934	132.425	0.120000
361.660	132.578	0.120000
371.660	132.839	0.120000
381.660	132.702	0.120000
391.660	132.809	0.120000
401.660	132.829	0.120000
411.660	132.831	0.120000
421.660	132.701	0.120000
431.660	132.664	0.120000
441.660	132.711	0.120000
451.660	132.851	0.120000
461.460	132.853	0.120000
471.460	132.943	0.120000
481.345	132.979	0.120000
491.345	133.094	0.120000
501.296	133.122	0.120000
511.296	133.278	0.120000
521.296	133.583	0.120000
531.296	133.696	0.120000
541.296	133.347	0.120000
551.243	133.354	0.120000
561.243	133.634	0.120000
571.243	133.997	0.120000
581.221	133.732	0.120000
591.221	133.537	0.120000
601.221	133.372	0.120000
611.221	133.411	0.120000
621.208	133.282	0.120000
631.208	132.767	0.120000
641.208	132.639	0.120000
651.208	132.645	0.120000
661.208	132.735	0.120000
670.924	132.875	0.120000
680.924	132.910	0.120000
690.924	132.995	0.120000
700.924	133.161	0.120000
710.924	133.244	0.120000
720.924	133.524	0.120000
730.780	133.986	0.120000
740.780	134.468	0.120000
750.780	134.889	0.120000
760.773	135.231	0.120000
770.773	135.570	0.120000
780.773	135.849	0.120000
790.773	135.936	0.120000
800.773	136.648	0.120000
810.773	136.693	0.120000
820.773	136.484	0.120000
830.773	136.873	0.120000
840.773	137.193	0.120000
850.773	137.403	0.120000
860.773	137.606	0.120000
870.378	137.830	0.120000
880.378	138.068	0.120000
890.378	138.394	0.120000
899.984	138.476	0.120000
909.984	138.572	0.120000
919.984	138.646	0.120000
929.984	138.720	0.120000
939.984	138.902	0.120000
949.984	139.086	0.120000
959.984	139.265	0.120000
969.979	139.386	0.120000
979.979	139.501	0.120000
989.979	139.639	0.120000
999.535	139.826	0.120000
1009.535	139.932	0.120000
1019.535	140.028	0.120000
1029.078	140.060	0.120000
1039.078	140.120	0.120000

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Complete Input Report

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1049.078	140.212	0.120000
1057.929	140.261	0.120000
1067.929	140.363	0.120000
1077.929	140.495	0.120000
1085.657	140.581	0.120000
1095.657	140.446	0.120000
1105.657	140.334	0.120000
1115.484	140.342	0.120000
1125.484	140.456	0.120000
1135.484	140.965	0.120000
1144.937	140.893	0.120000
1154.937	140.559	0.120000
1164.844	140.555	0.120000
1174.844	140.641	0.120000
1180.816	140.598	0.120000
1190.816	140.508	0.120000
1200.816	140.468	0.120000
1210.816	140.354	0.120000
1220.816	140.248	0.120000
1230.816	140.107	0.120000
1240.816	139.967	0.120000
1250.816	139.840	0.120000
1260.816	139.713	0.120000
1270.816	139.561	0.120000
1280.816	139.369	0.120000
1290.816	139.148	0.120000
1300.816	138.945	0.120000
1310.816	138.719	0.120000
1320.816	138.537	0.120000
1330.666	138.425	0.120000
1340.666	138.495	0.120000
1350.666	138.682	0.120000
1360.666	138.504	0.120000
1369.897	138.355	0.120000
1379.897	138.016	0.120000
1389.897	137.674	0.120000
1399.888	137.345	0.120000
1409.888	136.912	0.120000
1419.888	136.803	0.120000
1429.888	136.629	0.120000
1439.888	136.168	0.120000
1449.715	135.854	0.120000
1459.715	135.507	0.120000
1469.715	134.999	0.120000
1479.715	134.488	0.120000
1489.715	134.003	0.120000
1499.701	133.731	0.120000
1509.701	133.578	0.120000
1519.701	133.400	0.120000
1529.701	133.272	0.120000
1539.701	133.546	0.120000
1549.701	132.998	0.120000
1559.633	132.950	0.120000
1569.633	132.877	0.120000
1579.633	132.776	0.120000
1589.633	132.741	0.120000
1599.633	132.762	0.120000
1609.596	132.758	0.120000
1619.596	132.689	0.120000
1629.596	132.664	0.120000
1639.469	132.739	0.120000
1649.469	132.797	0.120000
1659.469	132.862	0.120000
1669.469	132.900	0.120000
1679.469	132.895	0.120000
1689.465	132.947	0.120000
1699.465	132.958	0.120000
1709.465	132.977	0.120000
1719.465	132.956	0.120000
1729.465	132.923	0.120000
1739.465	132.878	0.120000
1749.465	132.873	0.120000
1759.465	132.802	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1769.465	132.773	0.120000
1779.338	132.737	0.120000
1789.338	132.683	0.120000
1799.338	132.583	0.120000
1809.338	132.460	0.120000
1819.338	132.446	0.120000
1829.338	132.457	0.120000
1839.338	132.523	0.120000
1849.315	132.600	0.120000
1859.315	132.732	0.120000
1869.315	132.880	0.120000
1878.989	132.860	0.120000
1888.989	132.716	0.120000
1898.989	132.751	0.120000
1908.989	132.784	0.120000
1918.989	132.796	0.120000
1928.989	132.795	0.120000
1929.089	140.965	0.120000

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 Name: RHH81052B                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.188	0.120000
0.000	137.619	0.120000
8.861	137.498	0.120000
18.861	137.393	0.120000
28.861	137.336	0.120000
38.861	137.117	0.120000
48.861	137.166	0.120000
58.827	136.700	0.120000
68.827	136.630	0.120000
78.827	136.713	0.120000
88.827	136.632	0.120000
98.826	136.188	0.120000
108.826	136.501	0.120000
118.826	136.753	0.120000
128.826	136.875	0.120000
138.448	137.269	0.120000
148.448	137.645	0.120000
158.448	137.858	0.120000
158.548	141.188	0.120000

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 Name: RHH81052D                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.550	0.120000
0.000	137.672	0.120000
10.000	137.601	0.120000
20.000	137.363	0.120000
29.976	137.024	0.120000
39.976	136.442	0.120000
49.976	136.408	0.120000
59.976	138.243	0.120000
69.949	140.337	0.120000
79.949	142.404	0.120000
89.949	142.509	0.120000
99.949	142.629	0.120000
109.949	142.902	0.120000
119.949	143.550	0.120000
120.226	143.550	0.120000
120.326	143.550	0.120000

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Name: RHH81053C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	148.359	0.120000
0.000	148.359	0.120000
7.282	148.166	0.120000
17.282	147.778	0.120000
26.958	147.535	0.120000
36.958	147.273	0.120000
46.958	147.028	0.120000
56.958	146.876	0.120000
66.257	146.804	0.120000
76.257	146.507	0.120000
85.920	146.525	0.120000
95.920	146.530	0.120000
105.920	146.460	0.120000
114.761	146.368	0.120000
124.761	146.297	0.120000
134.718	146.184	0.120000
144.718	146.141	0.120000
154.718	146.086	0.120000
164.628	146.070	0.120000
174.628	146.098	0.120000
184.628	146.110	0.120000
193.994	146.085	0.120000
203.994	146.069	0.120000
213.978	146.079	0.120000
223.978	146.108	0.120000
233.716	146.118	0.120000
243.716	146.142	0.120000
253.716	146.181	0.120000
263.716	146.294	0.120000
271.818	146.421	0.120000
281.818	146.269	0.120000
291.818	146.160	0.120000
301.655	146.057	0.120000
311.655	146.014	0.120000
321.655	146.019	0.120000
331.642	145.977	0.120000
341.642	145.819	0.120000
351.435	145.713	0.120000
361.435	145.487	0.120000
371.435	145.307	0.120000
381.435	144.886	0.120000
391.435	144.528	0.120000
401.342	144.242	0.120000
411.342	143.966	0.120000
421.342	143.686	0.120000
431.342	143.470	0.120000
441.342	143.297	0.120000
451.237	143.215	0.120000
461.237	143.164	0.120000
471.237	143.088	0.120000
480.930	142.976	0.120000
490.930	142.802	0.120000
500.930	142.351	0.120000
510.930	142.050	0.120000
520.277	141.915	0.120000
530.277	141.887	0.120000
540.277	141.841	0.120000
550.277	141.797	0.120000
560.277	141.783	0.120000
570.277	141.645	0.120000
580.255	141.691	0.120000
590.255	141.600	0.120000
600.255	141.569	0.120000
610.255	141.473	0.120000
620.255	141.510	0.120000
630.255	141.356	0.120000



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

640.255	141.333	0.120000
650.255	141.328	0.120000
660.237	141.368	0.120000
670.237	141.247	0.120000
680.237	141.151	0.120000
690.237	141.125	0.120000
700.237	141.001	0.120000
710.237	140.869	0.120000
720.216	140.850	0.120000
730.216	140.726	0.120000
740.216	140.761	0.120000
750.216	140.717	0.120000
760.216	140.582	0.120000
770.216	140.640	0.120000
780.216	140.564	0.120000
790.216	140.521	0.120000
800.196	140.452	0.120000
810.196	140.423	0.120000
820.196	140.425	0.120000
830.196	140.382	0.120000
840.196	140.325	0.120000
850.196	140.252	0.120000
860.196	140.268	0.120000
870.196	140.263	0.120000
880.196	140.154	0.120000
890.166	140.084	0.120000
900.166	139.918	0.120000
910.166	139.812	0.120000
920.166	139.836	0.120000
930.166	139.745	0.120000
940.151	139.816	0.120000
950.151	139.632	0.120000
960.151	139.678	0.120000
970.151	139.535	0.120000
980.151	139.519	0.120000
990.151	139.636	0.120000
1000.151	139.569	0.120000
1010.151	139.565	0.120000
1020.151	139.532	0.120000
1030.148	139.498	0.120000
1040.148	139.459	0.120000
1050.148	139.339	0.120000
1060.148	139.276	0.120000
1070.148	139.190	0.120000
1080.148	139.149	0.120000
1090.148	139.077	0.120000
1100.148	139.099	0.120000
1110.148	138.987	0.120000
1120.147	138.918	0.120000
1130.147	138.756	0.120000
1140.147	138.710	0.120000
1140.247	148.359	0.120000

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Name: RHH81053D                          Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	148.359	0.120000
0.000	138.710	0.120000
5.202	138.575	0.120000
15.202	138.476	0.120000
25.202	138.419	0.120000
35.202	138.398	0.120000
45.202	138.448	0.120000
55.202	138.529	0.120000
65.202	138.573	0.120000
75.202	138.726	0.120000
85.202	138.786	0.120000
95.202	138.831	0.120000

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Dewberry Engineers, Inc.  
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105.202	138.829	0.120000
115.202	138.884	0.120000
125.202	139.233	0.120000
135.202	139.260	0.120000
145.202	139.487	0.120000
155.202	139.581	0.120000
165.202	139.722	0.120000
175.202	139.894	0.120000
185.202	139.911	0.120000
195.202	140.132	0.120000
205.202	140.246	0.120000
215.202	140.096	0.120000
225.202	140.336	0.120000
235.202	140.367	0.120000
245.202	140.600	0.120000
255.202	140.835	0.120000
265.196	140.377	0.120000
275.196	140.786	0.120000
285.196	141.118	0.120000
295.196	140.999	0.120000
305.196	141.206	0.120000
315.196	141.457	0.120000
325.196	141.688	0.120000
335.196	141.818	0.120000
345.196	141.965	0.120000
355.196	142.219	0.120000
365.196	142.217	0.120000
375.196	142.413	0.120000
385.196	142.573	0.120000
395.195	142.808	0.120000
405.195	142.855	0.120000
415.195	143.185	0.120000
425.195	143.433	0.120000
435.195	143.447	0.120000
445.195	143.629	0.120000
455.195	143.873	0.120000
465.195	143.828	0.120000
475.195	144.121	0.120000
485.195	144.334	0.120000
495.195	144.296	0.120000
505.195	144.486	0.120000
515.195	144.588	0.120000
525.195	144.664	0.120000
535.195	144.952	0.120000
545.195	145.223	0.120000
555.195	145.363	0.120000
565.195	145.320	0.120000
575.195	145.569	0.120000
585.194	145.678	0.120000
595.194	145.728	0.120000
605.194	145.970	0.120000
615.194	146.128	0.120000
625.194	146.151	0.120000
635.194	146.371	0.120000
645.194	146.452	0.120000
655.191	146.569	0.120000
665.191	146.794	0.120000
675.191	146.798	0.120000
685.191	146.931	0.120000
695.191	146.995	0.120000
705.191	147.297	0.120000
715.191	147.368	0.120000
725.186	147.546	0.120000
735.186	147.529	0.120000
745.186	147.714	0.120000
755.186	147.792	0.120000
765.177	148.051	0.120000
775.177	148.025	0.120000
785.177	148.189	0.120000
795.177	148.359	0.120000
795.277	148.359	0.120000

Name: RHH81054B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.532	0.120000
0.000	138.710	0.120000
10.059	138.674	0.120000
20.059	138.659	0.120000
30.059	138.649	0.120000
40.059	138.592	0.120000
50.059	138.524	0.120000
60.058	138.613	0.120000
70.058	138.643	0.120000
80.058	138.350	0.120000
90.058	138.519	0.120000
100.058	138.446	0.120000
110.058	138.347	0.120000
120.058	138.271	0.120000
130.058	138.231	0.120000
140.058	138.301	0.120000
150.058	138.229	0.120000
160.058	138.073	0.120000
170.058	138.027	0.120000
180.058	137.994	0.120000
190.058	137.822	0.120000
200.058	137.823	0.120000
210.058	137.810	0.120000
220.058	137.761	0.120000
230.058	137.722	0.120000
240.058	137.799	0.120000
250.058	137.788	0.120000
260.058	137.794	0.120000
270.058	137.703	0.120000
280.058	137.690	0.120000
290.056	137.762	0.120000
300.056	137.936	0.120000
310.056	137.727	0.120000
320.056	137.532	0.120000
330.030	137.601	0.120000
340.030	137.690	0.120000
350.030	137.567	0.120000
360.030	137.619	0.120000
360.130	142.532	0.120000

Name: RHH81054C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.836	0.120000
0.000	137.619	0.120000
10.000	137.869	0.120000
20.000	137.910	0.120000
30.000	137.907	0.120000
40.000	138.257	0.120000
50.000	139.967	0.120000
60.000	140.731	0.120000
69.935	141.520	0.120000
79.935	142.122	0.120000
89.935	142.691	0.120000
99.935	142.687	0.120000
109.935	143.015	0.120000
119.935	142.781	0.120000
129.935	142.622	0.120000
139.935	142.632	0.120000
149.935	142.691	0.120000
159.935	142.783	0.120000

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169.588	142.746	0.120000
179.588	142.602	0.120000
189.588	142.939	0.120000
199.331	142.941	0.120000
209.331	143.119	0.120000
219.331	143.290	0.120000
228.580	143.326	0.120000
238.580	143.423	0.120000
248.580	143.600	0.120000
258.528	143.613	0.120000
268.528	143.771	0.120000
278.528	143.836	0.120000
288.528	143.829	0.120000
298.509	143.740	0.120000
308.509	143.673	0.120000
318.509	143.550	0.120000
321.171	143.550	0.120000
321.271	143.836	0.120000

Name: RHH8116 Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
398.346	134.465	0.120000
408.346	134.426	0.120000
418.346	134.482	0.120000
428.346	134.435	0.120000
438.346	134.318	0.120000
448.343	134.355	0.120000
458.343	134.263	0.120000
468.343	134.498	0.120000
478.343	134.351	0.120000
488.343	134.299	0.120000
498.343	134.343	0.120000
508.343	134.306	0.120000
518.343	134.257	0.120000
528.343	134.356	0.120000
538.343	134.211	0.120000
548.343	134.250	0.120000
558.343	134.192	0.120000
568.343	134.017	0.120000
578.343	134.050	0.120000
588.343	134.136	0.120000
598.343	134.066	0.120000
608.343	134.125	0.120000
618.343	134.038	0.120000
628.343	133.880	0.120000
638.343	133.933	0.120000
648.343	134.032	0.120000
658.343	134.037	0.120000
668.343	133.999	0.120000
678.343	134.044	0.120000
688.343	134.057	0.120000
698.343	134.102	0.120000
708.343	134.131	0.120000
718.343	134.036	0.120000
728.343	134.208	0.120000
738.343	134.156	0.120000
748.343	134.188	0.120000
758.343	134.239	0.120000
768.343	134.176	0.120000
778.343	134.158	0.120000
788.343	134.105	0.120000
798.343	134.083	0.120000
808.343	134.066	0.120000
818.343	134.100	0.120000
828.343	134.117	0.120000
838.343	134.081	0.120000
848.343	134.279	0.120000

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858.343	134.125	0.120000
868.343	134.152	0.120000
878.343	134.110	0.120000
888.343	134.139	0.120000
898.343	134.137	0.120000
908.343	134.106	0.120000
918.343	134.198	0.120000
928.343	134.371	0.120000
938.343	134.443	0.120000
948.343	134.449	0.120000
958.343	134.543	0.120000
968.343	134.400	0.120000
978.343	134.385	0.120000
988.343	134.294	0.120000
998.343	134.343	0.120000
1008.343	134.381	0.120000
1018.343	134.138	0.120000
1028.343	134.082	0.120000
1038.343	134.118	0.120000
1048.343	134.038	0.120000
1058.343	134.212	0.120000
1068.343	134.145	0.120000
1078.343	134.199	0.120000
1088.343	134.223	0.120000
1098.343	134.296	0.120000
1108.343	134.189	0.120000
1118.342	134.365	0.120000
1128.342	134.324	0.120000
1138.342	134.210	0.120000
1148.342	134.135	0.120000
1158.342	134.143	0.120000
1168.342	134.112	0.120000
1178.342	134.151	0.120000
1188.342	134.136	0.120000
1198.342	134.120	0.120000
1208.342	134.135	0.120000
1218.342	134.214	0.120000
1228.342	134.201	0.120000
1238.342	134.403	0.120000
1248.321	134.048	0.120000
1258.321	134.057	0.120000
1268.321	133.930	0.120000
1278.321	134.010	0.120000
1288.321	134.027	0.120000
1298.321	134.090	0.120000
1308.321	134.248	0.120000
1318.321	134.350	0.120000
1328.321	134.221	0.120000
1338.321	134.290	0.120000
1348.321	134.331	0.120000
1358.321	134.325	0.120000
1368.321	134.332	0.120000
1378.321	134.555	0.120000
1388.321	134.572	0.120000
1398.321	134.537	0.120000
1408.305	134.354	0.120000
1418.305	134.056	0.120000
1428.305	134.023	0.120000
1438.305	134.500	0.120000
1448.305	134.448	0.120000
1458.305	134.440	0.120000
1468.305	134.262	0.120000
1478.305	134.021	0.120000
1488.305	133.792	0.120000
1498.305	133.715	0.120000
1508.305	134.332	0.120000
1518.305	134.486	0.120000
1528.305	134.416	0.120000
1538.305	134.298	0.120000
1548.305	134.298	0.120000
1558.268	134.399	0.120000
1568.268	134.360	0.120000
1578.268	134.325	0.120000

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1588.268	134.331	0.120000
1598.268	134.436	0.120000
1608.268	134.521	0.120000
1618.268	134.303	0.120000
1628.268	134.284	0.120000
1638.268	134.267	0.120000
1648.268	134.366	0.120000
1658.268	134.530	0.120000
1668.268	134.468	0.120000
1778.103	134.297	0.120000
1788.103	134.385	0.120000
1798.103	134.151	0.120000
1808.103	134.087	0.120000
1817.592	134.580	0.120000
1827.592	134.081	0.120000
1837.592	134.047	0.120000
1847.592	134.080	0.120000
1857.592	134.297	0.120000
1867.567	134.306	0.120000
1877.567	134.080	0.120000
1887.567	134.105	0.120000
1897.567	134.059	0.120000
1907.567	133.970	0.120000
1917.567	134.007	0.120000
1927.567	134.177	0.120000
1937.543	134.308	0.120000
1947.543	133.948	0.120000
1957.543	134.150	0.120000
1967.543	133.706	0.120000
1977.543	133.612	0.120000
1987.543	133.592	0.120000
1997.543	133.598	0.120000
2007.543	133.556	0.120000
2017.543	133.569	0.120000
2027.543	133.609	0.120000
2037.543	133.653	0.120000
2047.543	133.690	0.120000
2057.533	133.796	0.120000
2067.533	133.613	0.120000
2077.533	134.155	0.120000
2087.530	134.069	0.120000
2097.530	134.039	0.120000
2107.530	134.106	0.120000
2117.530	134.085	0.120000
2127.530	134.038	0.120000
2137.525	133.949	0.120000
2147.525	134.160	0.120000
2157.525	134.308	0.120000
2167.525	134.199	0.120000
2177.525	133.947	0.120000
2187.524	134.402	0.120000
2197.524	134.247	0.120000
2207.524	134.037	0.120000
2217.524	133.994	0.120000
2227.524	133.675	0.120000
2237.524	133.649	0.120000
2247.524	133.727	0.120000
2257.524	133.916	0.120000
2267.487	133.975	0.120000
2277.487	134.306	0.120000
2287.487	134.021	0.120000
2297.487	133.987	0.120000
2307.487	133.634	0.120000
2317.487	133.948	0.120000
2327.457	133.998	0.120000
2337.457	134.228	0.120000
2347.457	133.750	0.120000
2357.457	133.984	0.120000
2367.339	134.031	0.120000
2377.339	133.928	0.120000
2387.339	133.877	0.120000
2397.339	133.729	0.120000
2407.339	133.597	0.120000

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2417.339	133.812	0.120000
2427.339	133.747	0.120000
2437.339	133.632	0.120000
2447.337	133.805	0.120000
2457.337	134.161	0.120000
2467.337	134.131	0.120000
2477.337	134.016	0.120000
2487.337	133.997	0.120000
2497.337	134.111	0.120000
2507.337	134.012	0.120000
2517.337	134.024	0.120000
2527.337	133.992	0.120000
2537.337	134.003	0.120000
2547.327	133.848	0.120000
2557.327	133.939	0.120000
2567.327	134.104	0.120000
2577.327	134.090	0.120000
2587.327	134.090	0.120000
2597.327	134.063	0.120000
2607.327	134.198	0.120000
2617.327	134.104	0.120000
2627.327	134.138	0.120000
2637.327	134.127	0.120000
2647.327	133.997	0.120000
2657.327	134.095	0.120000
2667.327	134.117	0.120000
2677.327	134.011	0.120000
2687.327	134.031	0.120000
2697.326	134.174	0.120000
2707.326	134.344	0.120000
2717.326	133.970	0.120000
2727.326	134.022	0.120000
2737.326	134.005	0.120000
2747.326	133.855	0.120000
2757.326	134.016	0.120000
2767.326	133.908	0.120000
2777.326	134.377	0.120000
2787.326	134.189	0.120000
2797.326	133.951	0.120000
2807.326	133.857	0.120000
2817.326	133.840	0.120000
2827.326	133.951	0.120000
2837.326	134.020	0.120000
2847.326	134.087	0.120000
2857.326	134.063	0.120000
2867.326	134.136	0.120000
2877.326	134.023	0.120000
2887.326	133.835	0.120000
2897.326	133.504	0.120000
2907.326	133.720	0.120000
2917.326	133.724	0.120000
2927.326	133.668	0.120000
2937.326	133.717	0.120000
2947.326	133.624	0.120000
2957.326	133.716	0.120000
2967.326	133.912	0.120000
2977.326	133.808	0.120000
2987.326	133.831	0.120000
2997.326	133.851	0.120000
3007.326	133.873	0.120000
3017.326	133.629	0.120000
3027.326	133.653	0.120000
3037.314	133.687	0.120000
3047.314	133.786	0.120000
3057.314	133.757	0.120000
3067.314	133.843	0.120000
3077.314	133.840	0.120000
3087.314	133.753	0.120000
3097.314	133.681	0.120000
3107.314	133.684	0.120000
3117.313	133.576	0.120000
3127.313	133.269	0.120000
3137.313	133.068	0.120000

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3147.313	133.461	0.120000
3157.313	133.798	0.120000
3167.279	133.811	0.120000
3177.279	133.917	0.120000
3187.279	133.896	0.120000
3197.279	133.853	0.120000
3207.279	133.695	0.120000
3217.279	133.532	0.120000
3227.279	133.730	0.120000
3237.279	133.713	0.120000
3247.279	133.782	0.120000
3257.279	133.858	0.120000
3267.279	133.952	0.120000
3277.279	133.965	0.120000
3287.256	133.967	0.120000
3297.256	133.967	0.120000
3307.209	133.949	0.120000
3317.209	133.885	0.120000
3327.209	133.783	0.120000
3337.209	133.716	0.120000
3347.179	133.606	0.120000
3357.179	133.855	0.120000
3367.179	133.855	0.120000
3377.173	133.933	0.120000
3387.173	133.770	0.120000
3397.173	133.588	0.120000
3407.173	133.539	0.120000
3417.170	133.532	0.120000
3427.170	133.639	0.120000
3436.994	133.697	0.120000
3446.941	133.779	0.120000
3456.941	133.569	0.120000
3466.941	133.280	0.120000
3476.941	133.161	0.120000
3486.935	133.293	0.120000
3496.935	133.714	0.120000
3506.935	133.528	0.120000
3516.935	133.686	0.120000
3526.935	133.885	0.120000
3536.935	133.832	0.120000
3546.916	133.715	0.120000
3556.916	133.721	0.120000
3566.916	133.616	0.120000
3576.916	133.651	0.120000
3586.916	133.632	0.120000
3596.916	133.674	0.120000
3606.916	133.624	0.120000
3616.916	133.710	0.120000
3626.916	133.660	0.120000
3636.916	133.915	0.120000
3646.916	133.908	0.120000
3656.902	133.827	0.120000
3666.902	133.918	0.120000
3676.902	133.875	0.120000
3686.902	133.882	0.120000
3696.902	133.812	0.120000
3706.902	133.941	0.120000
3716.902	133.914	0.120000
3726.878	133.951	0.120000
3736.878	133.952	0.120000
3746.878	133.929	0.120000
3756.878	133.828	0.120000
3766.878	133.698	0.120000
3776.878	133.719	0.120000
3786.726	133.750	0.120000
3796.726	133.552	0.120000
3806.726	133.557	0.120000
3816.726	133.618	0.120000
3826.706	133.582	0.120000
3836.706	133.478	0.120000
3846.706	133.543	0.120000
3856.706	133.601	0.120000
3866.706	133.220	0.120000



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3876.660	133.291	0.120000
3886.660	133.144	0.120000
3896.660	132.884	0.120000
3906.660	132.768	0.120000
3916.635	132.848	0.120000
3926.635	132.479	0.120000
3936.635	132.538	0.120000
3946.635	132.780	0.120000
3956.635	132.550	0.120000
3966.635	132.825	0.120000
3976.635	132.904	0.120000
3986.635	132.707	0.120000
3996.635	132.808	0.120000
4006.635	132.749	0.120000
4016.633	132.662	0.120000
4026.633	132.816	0.120000
4036.633	133.134	0.120000
4046.633	133.190	0.120000
4056.633	133.056	0.120000
4066.633	133.603	0.120000
4076.633	133.559	0.120000
4086.633	133.515	0.120000
4096.633	133.651	0.120000
4106.633	133.854	0.120000
4116.630	134.059	0.120000
4126.630	134.048	0.120000
4136.630	134.010	0.120000
4146.630	133.934	0.120000
4156.630	134.091	0.120000
4166.630	133.832	0.120000
4176.630	133.757	0.120000
4186.622	133.725	0.120000
4196.622	133.809	0.120000
4206.622	133.725	0.120000
4216.622	133.741	0.120000
4226.622	133.964	0.120000
4236.622	134.264	0.120000
4246.622	133.995	0.120000
4256.622	134.148	0.120000
4266.617	134.219	0.120000
4276.617	134.228	0.120000
4286.617	134.257	0.120000
4296.617	134.042	0.120000
4306.617	134.116	0.120000
4326.612	134.348	0.120000
4336.612	134.220	0.120000
4346.612	134.320	0.120000
4356.612	134.350	0.120000
4366.612	134.233	0.120000
4376.612	134.227	0.120000
4386.612	134.389	0.120000
4396.612	134.360	0.120000
4416.612	134.309	0.120000
4426.612	134.376	0.120000
4436.612	134.327	0.120000
4446.612	134.221	0.120000
4456.612	134.057	0.120000
4466.606	134.242	0.120000
4476.606	134.320	0.120000
4486.606	134.626	0.120000
4496.606	134.419	0.120000
4506.606	134.495	0.120000
4516.606	134.439	0.120000
4526.606	134.494	0.120000
4536.606	134.600	0.120000
4546.606	134.594	0.120000
4566.594	134.446	0.120000
4576.594	134.427	0.120000
4586.594	134.423	0.120000
4596.594	134.359	0.120000
4606.594	134.467	0.120000
4616.594	134.310	0.120000
4626.594	134.197	0.120000

Proposed Polk City Model (Basins 5-8)  
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4636.594	134.295	0.120000
4646.594	134.129	0.120000
4656.594	134.246	0.120000
4666.594	134.325	0.120000
4686.594	134.264	0.120000
4696.594	134.169	0.120000
4706.594	134.110	0.120000
4716.594	134.156	0.120000
4726.594	134.222	0.120000
4736.594	134.257	0.120000
4746.594	134.477	0.120000
4766.594	134.620	0.120000
4776.594	134.409	0.120000
4786.594	134.327	0.120000
4796.594	134.319	0.120000
4806.594	134.210	0.120000
4816.594	134.051	0.120000
4826.594	134.187	0.120000
4836.594	134.138	0.120000
4846.594	134.151	0.120000
4856.594	133.996	0.120000
4866.594	133.909	0.120000
4876.594	133.981	0.120000
4886.594	133.878	0.120000
4896.594	133.882	0.120000
4906.594	133.593	0.120000
4916.594	134.038	0.120000
4926.594	134.094	0.120000
4936.594	134.059	0.120000
4946.594	134.257	0.120000
4956.594	134.206	0.120000
4966.594	134.222	0.120000
4976.594	134.230	0.120000
4986.594	134.339	0.120000
5006.594	133.897	0.120000
5016.594	134.192	0.120000
5026.594	134.228	0.120000
5036.594	134.236	0.120000
5046.594	134.404	0.120000
5056.594	134.294	0.120000
5066.594	134.351	0.120000
5076.594	134.281	0.120000
5086.594	134.415	0.120000
5096.594	134.342	0.120000
5106.594	134.410	0.120000
5126.594	134.621	0.120000
5136.594	134.268	0.120000
5146.594	134.448	0.120000
5156.594	134.017	0.120000
5166.594	134.054	0.120000
5176.594	134.390	0.120000
5186.591	134.408	0.120000
5196.591	134.206	0.120000
5206.591	134.163	0.120000
5216.591	134.457	0.120000
5236.591	134.386	0.120000
5246.591	134.356	0.120000
5256.591	134.288	0.120000
5266.591	133.992	0.120000
5276.591	134.003	0.120000
5286.591	134.509	0.120000
5296.591	134.428	0.120000
5306.591	134.316	0.120000
5316.591	134.564	0.120000
5326.591	134.417	0.120000
5336.591	134.602	0.120000
5356.591	134.523	0.120000
5366.591	134.559	0.120000
5376.591	134.474	0.120000
5386.591	134.003	0.120000
5396.591	134.272	0.120000
5406.591	134.376	0.120000
5416.591	134.374	0.120000

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5426.591	134.325	0.120000
5436.591	134.266	0.120000
5446.591	134.431	0.120000
5466.591	134.243	0.120000
5476.591	134.197	0.120000
5486.591	134.193	0.120000
5496.591	134.192	0.120000
5506.591	134.355	0.120000
5526.591	134.426	0.120000
5536.591	134.408	0.120000
5546.591	134.390	0.120000
5556.591	134.387	0.120000
5566.591	134.239	0.120000
5576.591	134.333	0.120000
5586.591	134.377	0.120000

Name: RHH81161A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	176.593	0.120000
0.000	140.472	0.120000
7.250	140.273	0.120000
17.247	139.704	0.120000
27.247	138.989	0.120000
37.246	138.059	0.120000
47.246	137.673	0.120000
57.246	137.246	0.120000
67.245	137.229	0.120000
77.245	137.136	0.120000
87.210	137.032	0.120000
97.210	136.733	0.120000
107.201	137.401	0.120000
116.365	137.494	0.120000
126.365	137.432	0.120000
136.365	137.317	0.120000
146.365	137.332	0.120000
156.365	137.216	0.120000
166.365	137.123	0.120000
176.365	137.146	0.120000
186.365	137.330	0.120000
196.365	137.644	0.120000
206.244	137.494	0.120000
216.244	137.377	0.120000
226.244	137.673	0.120000
235.081	137.715	0.120000
245.081	137.472	0.120000
255.081	137.399	0.120000
264.962	137.304	0.120000
274.962	137.391	0.120000
284.962	137.484	0.120000
294.845	137.609	0.120000
304.845	137.269	0.120000
314.845	137.487	0.120000
324.844	137.406	0.120000
334.844	137.439	0.120000
344.844	137.257	0.120000
354.844	137.363	0.120000
364.844	137.248	0.120000
373.958	137.159	0.120000
383.958	137.123	0.120000
393.958	137.076	0.120000
403.958	137.034	0.120000
413.838	136.980	0.120000
423.838	136.911	0.120000
433.838	136.872	0.120000
443.686	136.788	0.120000
453.686	136.810	0.120000
463.686	136.848	0.120000

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473.558	136.823	0.120000
483.558	136.903	0.120000
493.558	136.965	0.120000
503.558	137.008	0.120000
513.551	137.067	0.120000
523.551	137.127	0.120000
533.123	137.329	0.120000
543.123	137.451	0.120000
553.123	137.407	0.120000
561.547	137.418	0.120000
571.547	137.604	0.120000
581.547	137.988	0.120000
591.547	138.152	0.120000
601.547	138.002	0.120000
611.345	137.993	0.120000
621.345	138.137	0.120000
631.345	138.184	0.120000
641.345	138.373	0.120000
651.345	138.428	0.120000
661.345	138.677	0.120000
671.345	138.417	0.120000
681.345	138.522	0.120000
691.050	138.581	0.120000
701.050	138.652	0.120000
711.050	138.575	0.120000
721.050	138.620	0.120000
731.050	138.664	0.120000
740.489	138.653	0.120000
750.489	138.712	0.120000
760.489	138.738	0.120000
770.489	138.752	0.120000
780.489	138.870	0.120000
790.469	138.862	0.120000
800.469	138.898	0.120000
810.469	138.946	0.120000
820.469	139.060	0.120000
830.086	139.014	0.120000
840.086	138.867	0.120000
850.086	138.905	0.120000
860.086	139.248	0.120000
870.086	139.320	0.120000
880.084	139.632	0.120000
890.084	139.845	0.120000
900.084	140.199	0.120000
910.084	140.593	0.120000
920.084	140.695	0.120000
930.084	140.919	0.120000
940.084	140.978	0.120000
950.084	141.118	0.120000
960.084	141.331	0.120000
970.074	141.654	0.120000
980.074	141.974	0.120000
990.074	142.203	0.120000
1000.074	142.391	0.120000
1010.074	142.336	0.120000
1020.074	142.725	0.120000
1030.074	143.061	0.120000
1040.074	143.419	0.120000
1050.074	143.671	0.120000
1060.074	144.001	0.120000
1070.074	144.331	0.120000
1080.074	144.600	0.120000
1090.074	145.114	0.120000
1100.074	145.507	0.120000
1110.074	145.698	0.120000
1120.074	146.175	0.120000
1130.074	146.837	0.120000
1140.074	147.262	0.120000
1150.074	147.880	0.120000
1160.074	148.485	0.120000
1170.074	149.154	0.120000
1180.074	149.880	0.120000
1190.074	150.518	0.120000

Proposed Polk City Model (Basins 5-8)  
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1200.074	151.063	0.120000
1209.998	151.595	0.120000
1219.998	152.323	0.120000
1229.998	152.860	0.120000
1239.998	153.417	0.120000
1249.998	153.837	0.120000
1259.998	154.381	0.120000
1269.998	154.946	0.120000
1279.958	155.227	0.120000
1289.958	155.684	0.120000
1299.958	156.089	0.120000
1309.958	156.608	0.120000
1319.958	156.822	0.120000
1329.958	157.206	0.120000
1339.957	157.398	0.120000
1349.957	157.697	0.120000
1359.957	157.922	0.120000
1369.957	158.352	0.120000
1379.957	158.719	0.120000
1389.957	159.127	0.120000
1399.957	159.272	0.120000
1409.957	159.837	0.120000
1419.957	160.104	0.120000
1429.221	160.536	0.120000
1439.221	160.671	0.120000
1449.221	160.858	0.120000
1459.221	160.913	0.120000
1469.221	160.903	0.120000
1479.221	161.425	0.120000
1489.221	161.751	0.120000
1499.221	161.711	0.120000
1509.219	162.125	0.120000
1519.219	162.488	0.120000
1529.219	163.026	0.120000
1539.219	163.482	0.120000
1549.219	163.289	0.120000
1559.219	163.420	0.120000
1569.219	163.598	0.120000
1579.219	163.721	0.120000
1589.219	164.502	0.120000
1599.211	164.861	0.120000
1609.211	165.094	0.120000
1619.211	165.366	0.120000
1629.211	165.417	0.120000
1639.211	165.655	0.120000
1649.211	165.985	0.120000
1659.211	166.262	0.120000
1669.211	166.786	0.120000
1679.211	167.160	0.120000
1689.211	167.220	0.120000
1699.211	167.903	0.120000
1709.189	167.893	0.120000
1719.189	168.124	0.120000
1729.189	168.471	0.120000
1739.189	168.803	0.120000
1749.189	169.199	0.120000
1759.189	169.204	0.120000
1769.189	169.268	0.120000
1779.189	169.345	0.120000
1789.189	169.588	0.120000
1799.189	169.905	0.120000
1809.189	170.029	0.120000
1819.189	170.236	0.120000
1829.189	170.470	0.120000
1839.189	170.764	0.120000
1849.189	171.012	0.120000
1859.189	171.381	0.120000
1869.189	171.525	0.120000
1879.182	171.771	0.120000
1889.182	171.980	0.120000
1899.182	172.372	0.120000
1909.182	172.599	0.120000
1919.182	172.833	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
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1929.182	172.903	0.120000
1939.182	173.264	0.120000
1949.182	173.550	0.120000
1959.182	173.577	0.120000
1969.182	173.489	0.120000
1979.182	173.772	0.120000
1989.182	174.092	0.120000
1999.182	174.073	0.120000
2009.182	174.138	0.120000
2019.182	174.584	0.120000
2029.182	174.716	0.120000
2039.182	174.931	0.120000
2049.182	175.070	0.120000
2059.182	175.158	0.120000
2069.182	175.260	0.120000
2079.182	175.382	0.120000
2089.179	175.466	0.120000
2099.179	175.493	0.120000
2109.179	175.677	0.120000
2119.179	175.938	0.120000
2129.179	176.099	0.120000
2139.179	176.061	0.120000
2149.179	176.002	0.120000
2159.179	175.954	0.120000
2169.179	175.925	0.120000
2179.179	175.977	0.120000
2189.179	175.932	0.120000
2199.100	175.674	0.120000
2209.100	176.021	0.120000
2219.100	176.107	0.120000
2229.100	176.208	0.120000
2239.100	176.286	0.120000
2249.100	176.499	0.120000
2259.100	176.516	0.120000
2269.100	176.511	0.120000
2279.100	176.593	0.120000
2289.100	176.460	0.120000
2298.600	176.421	0.120000
2308.600	176.570	0.120000
2318.600	176.535	0.120000
2327.911	176.590	0.120000
2328.011	176.593	0.120000

Name: RHH81161B Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.263	0.120000
0.000	136.522	0.120000
10.000	136.498	0.120000
19.994	136.559	0.120000
29.994	136.573	0.120000
39.994	136.446	0.120000
49.994	136.600	0.120000
59.991	136.703	0.120000
69.991	136.760	0.120000
79.991	136.629	0.120000
89.991	136.584	0.120000
99.991	136.638	0.120000
109.991	136.696	0.120000
119.991	136.513	0.120000
129.989	136.546	0.120000
139.989	136.513	0.120000
149.989	136.515	0.120000
159.989	136.477	0.120000
169.989	136.429	0.120000
179.989	136.470	0.120000
189.989	136.429	0.120000
199.987	136.282	0.120000

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209.987	136.274	0.120000
219.987	136.148	0.120000
229.987	136.185	0.120000
239.986	136.228	0.120000
249.986	136.215	0.120000
259.986	136.165	0.120000
269.986	136.209	0.120000
279.986	136.072	0.120000
289.986	136.084	0.120000
299.896	136.074	0.120000
309.896	136.104	0.120000
319.761	136.165	0.120000
329.761	136.276	0.120000
339.761	136.459	0.120000
345.538	136.416	0.120000
355.538	136.254	0.120000
365.538	136.100	0.120000
375.324	135.985	0.120000
385.324	135.876	0.120000
395.324	135.868	0.120000
405.324	135.855	0.120000
415.164	135.784	0.120000
425.164	135.777	0.120000
435.164	135.790	0.120000
445.154	135.814	0.120000
455.154	135.727	0.120000
465.154	135.782	0.120000
475.154	135.798	0.120000
485.154	135.708	0.120000
495.154	135.680	0.120000
505.154	135.675	0.120000
515.154	135.693	0.120000
525.154	135.636	0.120000
535.154	135.654	0.120000
545.154	135.780	0.120000
555.154	135.747	0.120000
565.154	135.648	0.120000
575.154	135.567	0.120000
585.154	135.609	0.120000
595.154	135.656	0.120000
605.154	135.636	0.120000
615.154	135.711	0.120000
625.124	135.762	0.120000
635.124	135.796	0.120000
645.124	135.747	0.120000
655.124	135.732	0.120000
665.124	135.843	0.120000
675.124	135.682	0.120000
685.124	135.708	0.120000
695.108	135.723	0.120000
705.108	135.863	0.120000
715.108	135.764	0.120000
725.108	135.737	0.120000
735.108	135.806	0.120000
745.108	135.710	0.120000
755.108	135.809	0.120000
765.099	135.831	0.120000
775.099	135.775	0.120000
785.099	135.798	0.120000
795.099	135.629	0.120000
805.099	135.690	0.120000
815.099	135.649	0.120000
825.099	135.643	0.120000
835.099	135.697	0.120000
845.099	135.602	0.120000
855.099	135.538	0.120000
865.099	135.571	0.120000
875.099	135.492	0.120000
885.099	135.481	0.120000
895.099	135.500	0.120000
905.099	135.477	0.120000
915.099	135.503	0.120000
925.099	135.572	0.120000

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935.099	135.497	0.120000
945.099	135.555	0.120000
955.098	135.405	0.120000
965.098	135.395	0.120000
975.098	135.362	0.120000
985.098	135.440	0.120000
995.098	135.429	0.120000
1005.098	135.407	0.120000
1015.098	135.557	0.120000
1025.098	135.369	0.120000
1035.098	135.404	0.120000
1045.098	135.467	0.120000
1055.097	135.453	0.120000
1065.097	135.379	0.120000
1075.068	135.444	0.120000
1085.068	135.449	0.120000
1095.068	135.528	0.120000
1105.068	135.486	0.120000
1115.068	135.491	0.120000
1125.056	135.526	0.120000
1135.056	135.451	0.120000
1145.056	135.485	0.120000
1155.056	135.475	0.120000
1165.056	135.435	0.120000
1175.056	135.428	0.120000
1185.056	135.445	0.120000
1195.056	135.444	0.120000
1205.056	135.399	0.120000
1215.056	135.431	0.120000
1225.056	135.383	0.120000
1235.056	135.500	0.120000
1245.056	135.366	0.120000
1255.056	135.401	0.120000
1265.056	135.435	0.120000
1275.056	135.378	0.120000
1285.055	135.362	0.120000
1295.055	135.541	0.120000
1305.055	135.421	0.120000
1315.055	135.387	0.120000
1325.055	135.408	0.120000
1335.055	135.412	0.120000
1345.055	135.495	0.120000
1355.055	135.462	0.120000
1365.055	135.482	0.120000
1375.055	135.465	0.120000
1385.055	135.491	0.120000
1395.055	135.522	0.120000
1405.055	135.508	0.120000
1415.055	135.496	0.120000
1425.055	135.300	0.120000
1435.055	135.503	0.120000
1445.055	135.550	0.120000
1455.055	135.472	0.120000
1465.055	135.542	0.120000
1475.055	135.498	0.120000
1485.055	135.487	0.120000
1495.055	135.478	0.120000
1505.055	135.465	0.120000
1515.055	135.467	0.120000
1525.052	135.486	0.120000
1535.052	135.469	0.120000
1545.052	135.487	0.120000
1555.052	135.502	0.120000
1565.052	135.418	0.120000
1575.052	135.545	0.120000
1585.046	135.542	0.120000
1595.046	135.487	0.120000
1605.046	135.479	0.120000
1615.046	135.415	0.120000
1625.046	135.334	0.120000
1635.046	135.366	0.120000
1645.036	135.358	0.120000
1655.036	135.377	0.120000



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1665.036	135.362	0.120000
1675.036	135.435	0.120000
1685.036	135.421	0.120000
1695.036	135.444	0.120000
1705.033	135.394	0.120000
1715.033	135.391	0.120000
1725.033	135.467	0.120000
1735.033	135.436	0.120000
1745.033	135.381	0.120000
1755.033	135.340	0.120000
1765.033	135.373	0.120000
1775.033	135.370	0.120000
1785.033	135.450	0.120000
1795.032	135.375	0.120000
1805.032	135.429	0.120000
1815.032	135.286	0.120000
1825.032	135.315	0.120000
1835.032	135.297	0.120000
1845.032	135.263	0.120000
1855.032	135.271	0.120000
1865.032	135.326	0.120000
1875.032	135.302	0.120000
1885.032	135.370	0.120000
1895.029	135.434	0.120000
1905.029	135.443	0.120000
1915.029	135.394	0.120000
1925.029	135.333	0.120000
1935.029	135.430	0.120000
1945.029	135.394	0.120000
1955.029	135.360	0.120000
1965.029	135.356	0.120000
1975.029	135.327	0.120000
1985.029	135.396	0.120000
1995.029	135.432	0.120000
2005.029	135.437	0.120000
2015.029	135.473	0.120000
2025.029	135.363	0.120000
2035.029	135.341	0.120000
2045.029	135.308	0.120000
2055.029	135.402	0.120000
2065.029	135.331	0.120000
2075.029	135.365	0.120000
2085.029	135.358	0.120000
2095.029	135.384	0.120000
2105.028	135.409	0.120000
2115.028	135.354	0.120000
2125.028	135.399	0.120000
2135.028	135.415	0.120000
2145.028	135.280	0.120000
2155.028	135.302	0.120000
2165.028	135.342	0.120000
2175.028	135.349	0.120000
2185.028	135.354	0.120000
2195.028	135.485	0.120000
2205.028	135.496	0.120000
2214.969	135.434	0.120000
2224.969	135.468	0.120000
2234.898	135.440	0.120000
2244.898	135.421	0.120000
2254.898	135.341	0.120000
2264.898	135.369	0.120000
2274.690	135.445	0.120000
2284.539	135.456	0.120000
2294.539	135.443	0.120000
2304.539	135.420	0.120000
2314.539	135.433	0.120000
2324.539	135.424	0.120000
2334.516	135.476	0.120000
2344.516	135.418	0.120000
2354.475	135.391	0.120000
2364.475	135.362	0.120000
2374.475	135.298	0.120000
2384.475	135.394	0.120000

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2394.475	135.337	0.120000
2404.475	135.292	0.120000
2414.475	135.392	0.120000
2424.475	135.543	0.120000
2434.475	135.362	0.120000
2444.475	135.351	0.120000
2454.475	135.322	0.120000
2464.475	135.375	0.120000
2469.387	135.380	0.120000
2469.487	140.263	0.120000

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Name: RHH81161C  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	138.196	0.120000
0.000	136.522	0.120000
4.023	136.477	0.120000
14.023	136.305	0.120000
24.023	136.062	0.120000
34.023	135.854	0.120000
44.016	135.789	0.120000
53.908	135.821	0.120000
63.908	136.352	0.120000
73.908	136.522	0.120000
83.783	136.448	0.120000
93.783	136.431	0.120000
103.770	136.325	0.120000
113.770	136.289	0.120000
123.770	136.292	0.120000
133.769	136.346	0.120000
143.769	136.325	0.120000
152.774	136.012	0.120000
162.774	135.898	0.120000
172.774	135.934	0.120000
182.164	136.018	0.120000
192.164	136.137	0.120000
202.164	136.112	0.120000
212.164	136.163	0.120000
222.164	136.163	0.120000
232.164	136.201	0.120000
241.456	136.180	0.120000
251.226	136.259	0.120000
261.226	136.551	0.120000
269.548	136.661	0.120000
279.548	136.750	0.120000
289.548	136.851	0.120000
299.548	136.869	0.120000
309.523	137.044	0.120000
319.523	137.240	0.120000
329.523	137.747	0.120000
339.523	137.729	0.120000
348.989	137.562	0.120000
358.989	137.557	0.120000
368.970	137.364	0.120000
378.970	137.608	0.120000
388.051	137.781	0.120000
398.051	137.879	0.120000
408.051	137.867	0.120000
417.659	137.883	0.120000
427.659	137.909	0.120000
437.659	137.919	0.120000
447.600	137.889	0.120000
457.600	137.864	0.120000
467.600	137.865	0.120000
477.567	137.895	0.120000
487.567	137.894	0.120000
494.491	137.887	0.120000
504.226	137.710	0.120000

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514.226	137.582	0.120000
523.713	137.639	0.120000
533.713	137.625	0.120000
543.713	137.659	0.120000
552.791	137.514	0.120000
562.791	137.349	0.120000
571.448	137.648	0.120000
581.448	137.484	0.120000
591.012	137.185	0.120000
601.012	136.968	0.120000
611.012	136.909	0.120000
618.100	136.925	0.120000
628.100	136.898	0.120000
638.100	136.872	0.120000
648.029	136.863	0.120000
658.029	136.641	0.120000
668.029	136.632	0.120000
678.029	136.638	0.120000
688.024	136.633	0.120000
698.024	136.626	0.120000
707.937	136.634	0.120000
717.937	136.629	0.120000
727.937	136.620	0.120000
737.937	136.635	0.120000
747.929	136.624	0.120000
757.929	136.582	0.120000
767.929	136.596	0.120000
777.929	136.585	0.120000
787.868	136.774	0.120000
797.868	136.539	0.120000
807.868	136.518	0.120000
817.558	136.522	0.120000
827.558	136.617	0.120000
837.558	136.557	0.120000
847.558	136.438	0.120000
857.150	136.078	0.120000
867.150	136.063	0.120000
877.150	135.989	0.120000
887.069	135.896	0.120000
897.069	135.811	0.120000
907.069	135.679	0.120000
917.069	135.630	0.120000
927.069	135.652	0.120000
937.069	135.636	0.120000
947.069	135.584	0.120000
956.754	135.531	0.120000
966.754	135.441	0.120000
976.754	135.426	0.120000
986.754	135.334	0.120000
996.754	135.276	0.120000
1006.754	135.229	0.120000
1016.754	135.142	0.120000
1026.754	135.171	0.120000
1036.754	135.181	0.120000
1046.754	135.218	0.120000
1056.754	135.287	0.120000
1066.754	135.240	0.120000
1076.754	135.226	0.120000
1086.754	135.232	0.120000
1096.754	135.319	0.120000
1106.753	135.377	0.120000
1116.753	135.290	0.120000
1126.753	135.341	0.120000
1136.753	135.233	0.120000
1146.753	135.186	0.120000
1156.753	135.130	0.120000
1166.753	135.120	0.120000
1176.753	135.128	0.120000
1186.753	135.103	0.120000
1196.753	135.081	0.120000
1206.753	135.048	0.120000
1216.753	135.058	0.120000
1226.753	135.039	0.120000

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1236.753	135.035	0.120000
1246.753	135.024	0.120000
1256.753	134.934	0.120000
1266.709	134.929	0.120000
1276.709	134.848	0.120000
1286.709	134.770	0.120000
1296.709	134.713	0.120000
1306.709	134.685	0.120000
1316.709	134.659	0.120000
1326.709	134.614	0.120000
1336.709	134.605	0.120000
1346.709	134.589	0.120000
1356.709	134.562	0.120000
1366.709	134.540	0.120000
1376.709	134.543	0.120000
1386.709	134.532	0.120000
1396.709	134.508	0.120000
1406.709	134.460	0.120000
1416.709	134.456	0.120000
1426.649	134.443	0.120000
1436.649	134.434	0.120000
1446.649	134.414	0.120000
1456.649	134.363	0.120000
1466.649	134.355	0.120000
1476.649	134.279	0.120000
1486.649	134.228	0.120000
1496.649	134.219	0.120000
1506.580	134.087	0.120000
1516.580	134.041	0.120000
1526.580	133.925	0.120000
1536.580	133.874	0.120000
1546.580	133.845	0.120000
1556.580	133.796	0.120000
1566.580	133.731	0.120000
1576.477	133.574	0.120000
1586.477	133.527	0.120000
1596.477	133.543	0.120000
1606.423	133.534	0.120000
1616.423	133.538	0.120000
1626.423	133.563	0.120000
1636.423	133.490	0.120000
1646.423	133.349	0.120000
1656.423	133.231	0.120000
1666.423	133.255	0.120000
1676.423	133.304	0.120000
1686.423	133.211	0.120000
1696.423	133.262	0.120000
1706.423	133.465	0.120000
1716.423	133.306	0.120000
1726.423	133.277	0.120000
1736.423	133.315	0.120000
1746.418	133.236	0.120000
1756.418	133.244	0.120000
1766.418	133.219	0.120000
1776.418	133.277	0.120000
1786.418	133.221	0.120000
1796.418	133.242	0.120000
1806.418	133.308	0.120000
1816.418	133.227	0.120000
1826.418	133.213	0.120000
1836.417	133.198	0.120000
1846.417	133.224	0.120000
1856.417	133.208	0.120000
1866.417	133.242	0.120000
1876.417	133.196	0.120000
1886.417	133.266	0.120000
1896.417	133.256	0.120000
1906.417	133.225	0.120000
1916.417	133.277	0.120000
1926.417	133.294	0.120000
1936.375	133.285	0.120000
1946.375	133.273	0.120000
1956.375	133.292	0.120000

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1966.375	133.374	0.120000
1976.375	133.386	0.120000
1976.475	138.196	0.120000

Name: RHH8117  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
1354.841	154.654	0.120000
1364.841	154.115	0.120000
1374.841	153.753	0.120000
1384.841	153.401	0.120000
1394.841	152.993	0.120000
1404.831	152.729	0.120000
1414.831	152.363	0.120000
1424.831	152.530	0.120000
1434.792	151.842	0.120000
1444.792	151.774	0.120000
1454.792	151.656	0.120000
1464.792	151.021	0.120000
1474.792	150.785	0.120000
1484.498	150.928	0.120000
1494.498	150.972	0.120000
1504.498	150.777	0.120000
1514.498	150.676	0.120000
1524.477	150.662	0.120000
1534.477	150.581	0.120000
1544.477	150.504	0.120000
1554.477	150.453	0.120000
1564.411	149.761	0.120000
1574.411	149.511	0.120000
1584.411	149.272	0.120000
1594.411	149.062	0.120000
1604.411	148.857	0.120000
1614.411	148.736	0.120000
1624.411	148.379	0.120000
1634.411	147.865	0.120000
1644.409	147.469	0.120000
1654.409	147.230	0.120000
1664.409	146.889	0.120000
1674.409	146.463	0.120000
1684.409	146.176	0.120000
1694.409	145.665	0.120000
1704.409	145.638	0.120000
1714.409	145.571	0.120000
1724.409	145.002	0.120000
1734.409	144.731	0.120000
1744.409	144.572	0.120000
1754.367	143.752	0.120000
1764.367	143.396	0.120000
1774.367	143.259	0.120000
1784.367	143.033	0.120000
1794.367	142.792	0.120000
1804.367	142.586	0.120000
1814.367	142.145	0.120000
1824.367	141.949	0.120000
1834.367	141.633	0.120000
1844.367	141.600	0.120000
1854.367	141.520	0.120000
1864.367	141.188	0.120000
1874.367	140.839	0.120000
1884.367	140.584	0.120000
1894.367	140.259	0.120000
1904.367	140.119	0.120000
1914.367	139.995	0.120000
1924.367	139.755	0.120000
1934.367	139.485	0.120000
1944.367	139.373	0.120000
1954.367	139.318	0.120000

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1964.359	139.288	0.120000
1974.359	139.001	0.120000
1984.359	138.921	0.120000
1994.359	138.524	0.120000
2004.359	138.359	0.120000
2014.359	138.075	0.120000
2024.359	137.909	0.120000
2034.359	137.630	0.120000
2044.359	137.462	0.120000
2054.332	137.305	0.120000
2064.332	137.162	0.120000
2074.332	137.040	0.120000
2084.332	136.840	0.120000
2094.332	136.498	0.120000
2104.332	136.284	0.120000
2114.332	136.160	0.120000
2124.332	135.974	0.120000
2134.332	135.744	0.120000
2144.332	135.534	0.120000
2154.332	135.372	0.120000
2164.332	135.289	0.120000
2174.332	135.143	0.120000
2184.331	135.061	0.120000
2194.331	134.915	0.120000
2204.331	134.819	0.120000
2214.331	134.692	0.120000
2224.331	134.649	0.120000
2234.331	134.633	0.120000
2244.331	134.596	0.120000
2253.903	134.556	0.120000
2263.903	134.539	0.120000
2273.903	134.472	0.120000
2283.903	134.435	0.120000
2293.903	134.420	0.120000
2303.903	134.379	0.120000
2313.903	134.334	0.120000
2323.824	134.260	0.120000
2333.824	134.199	0.120000
2343.824	134.135	0.120000
2353.824	134.067	0.120000
2363.824	134.030	0.120000
2373.824	134.027	0.120000
2383.776	134.020	0.120000
2393.776	133.954	0.120000
2403.776	133.932	0.120000
2413.776	134.208	0.120000
2423.776	134.363	0.120000
2433.732	134.254	0.120000
2443.732	134.060	0.120000
2453.732	133.987	0.120000
2463.732	133.732	0.120000
2473.732	133.661	0.120000
2483.732	133.616	0.120000
2493.732	133.609	0.120000
2503.732	133.595	0.120000
2513.732	133.621	0.120000
2523.732	133.656	0.120000
2533.087	133.673	0.120000
2543.087	133.689	0.120000
2553.087	133.700	0.120000
2563.087	133.728	0.120000
2573.087	133.746	0.120000
2580.946	133.747	0.120000
2590.946	133.701	0.120000
2600.946	133.471	0.120000
2610.946	133.267	0.120000
2620.946	133.252	0.120000
2630.331	133.249	0.120000
2640.331	133.231	0.120000
2650.331	133.192	0.120000
2660.331	133.167	0.120000
2670.225	133.130	0.120000
2680.225	133.097	0.120000

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2690.225	133.065	0.120000
2700.225	133.039	0.120000
2710.225	133.017	0.120000
2720.225	132.978	0.120000
2730.225	132.956	0.120000
2740.214	132.946	0.120000
2750.214	132.915	0.120000
2760.214	132.890	0.120000
2770.214	132.861	0.120000
2780.214	132.829	0.120000
2789.609	132.812	0.120000
2799.609	132.801	0.120000
2809.609	132.778	0.120000
2819.609	132.762	0.120000
2829.609	132.751	0.120000
2839.609	132.729	0.120000
2849.609	132.720	0.120000
2859.609	132.718	0.120000
2869.609	132.693	0.120000
2879.609	132.682	0.120000
2889.609	132.681	0.120000
2899.609	132.689	0.120000
2909.609	132.660	0.120000
2919.561	132.631	0.120000
2929.561	132.613	0.120000
2939.561	132.604	0.120000
2949.561	132.590	0.120000
2959.561	132.580	0.120000
2969.561	132.573	0.120000
2979.561	132.566	0.120000
2989.561	132.554	0.120000
2999.225	132.533	0.120000
3009.225	132.518	0.120000
3019.225	132.507	0.120000
3029.225	132.479	0.120000
3039.225	132.479	0.120000
3049.225	132.462	0.120000
3059.225	132.452	0.120000
3069.225	132.436	0.120000
3079.196	132.422	0.120000
3089.196	132.416	0.120000
3099.196	132.442	0.120000
3109.196	132.487	0.120000
3119.196	132.540	0.120000
3127.935	132.523	0.120000
3137.935	132.496	0.120000
3147.935	132.425	0.120000
3157.935	132.364	0.120000
3167.935	132.329	0.120000
3177.935	132.329	0.120000
3187.935	132.333	0.120000
3197.935	132.329	0.120000
3207.785	132.320	0.120000
3217.785	132.310	0.120000
3227.785	132.317	0.120000
3237.785	132.308	0.120000
3247.785	132.297	0.120000
3257.785	132.279	0.120000
3267.785	132.279	0.120000
3277.785	132.269	0.120000
3287.785	132.248	0.120000
3297.785	132.254	0.120000
3307.785	132.279	0.120000
3315.887	132.313	0.120000
3325.887	132.226	0.120000
3335.887	132.210	0.120000
3345.887	132.207	0.120000
3355.887	132.191	0.120000
3364.237	132.191	0.120000
3374.237	132.182	0.120000
3384.237	132.178	0.120000
3394.237	132.169	0.120000
3404.237	132.160	0.120000

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3414.237	132.152	0.120000
3424.237	132.143	0.120000
3434.237	132.135	0.120000
3444.237	132.130	0.120000
3454.237	132.116	0.120000
3464.237	132.098	0.120000
3474.237	132.086	0.120000
3484.237	132.071	0.120000
3494.237	132.062	0.120000
3504.237	132.047	0.120000
3514.237	132.032	0.120000
3524.237	132.019	0.120000
3534.065	132.008	0.120000
3544.065	131.992	0.120000
3554.065	131.979	0.120000
3564.065	131.965	0.120000
3574.065	131.954	0.120000
3584.065	131.871	0.120000
3594.065	131.840	0.120000
3604.065	131.884	0.120000
3613.519	131.958	0.120000
3623.519	132.011	0.120000
3633.519	132.009	0.120000
3643.519	132.022	0.120000
3653.519	132.041	0.120000
3661.466	132.018	0.120000
3671.466	131.964	0.120000
3681.466	131.979	0.120000
3691.466	131.905	0.120000
3701.466	131.858	0.120000
3711.466	131.830	0.120000
3721.466	131.820	0.120000
3731.466	131.811	0.120000
3741.466	131.806	0.120000
3751.466	131.793	0.120000
3760.298	131.788	0.120000
3770.298	131.788	0.120000
3780.298	131.778	0.120000
3790.298	131.780	0.120000
3800.298	131.779	0.120000
3810.298	131.781	0.120000
3820.298	131.778	0.120000
3830.298	131.766	0.120000
3840.298	131.770	0.120000
3850.298	131.770	0.120000
3860.264	131.770	0.120000
3870.264	131.771	0.120000
3880.264	131.771	0.120000
3890.264	131.775	0.120000
3900.264	131.770	0.120000
3910.264	131.775	0.120000
3920.264	131.770	0.120000
3929.986	131.765	0.120000
3939.986	131.763	0.120000
3949.986	131.760	0.120000
3959.986	131.749	0.120000
3969.986	131.743	0.120000
3979.986	131.742	0.120000
3989.986	131.734	0.120000
3999.986	131.731	0.120000
4009.986	131.726	0.120000
4019.986	131.720	0.120000
4029.986	131.716	0.120000
4039.986	131.710	0.120000
4049.986	131.702	0.120000
4059.986	131.697	0.120000
4069.986	131.691	0.120000
4079.986	131.689	0.120000
4089.596	131.684	0.120000
4099.596	131.698	0.120000
4109.596	131.692	0.120000
4119.596	131.692	0.120000
4129.596	131.697	0.120000



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4139.596	131.698	0.120000
4149.410	131.700	0.120000
4159.410	131.693	0.120000
4169.410	131.684	0.120000
4179.410	131.674	0.120000
4189.410	131.661	0.120000
4199.410	131.651	0.120000
4209.410	131.637	0.120000
4219.410	131.628	0.120000
4229.410	131.622	0.120000
4239.410	131.619	0.120000
4248.862	131.612	0.120000
4258.862	131.591	0.120000
4268.862	131.587	0.120000
4278.862	131.579	0.120000
4288.858	131.580	0.120000
4298.858	131.575	0.120000
4308.858	131.565	0.120000
4318.858	131.555	0.120000
4327.861	131.546	0.120000
4337.861	131.531	0.120000
4347.861	131.515	0.120000
4357.861	131.500	0.120000
4367.861	131.493	0.120000
4377.861	131.486	0.120000
4387.861	131.461	0.120000
4397.861	131.463	0.120000
4407.861	131.513	0.120000
4417.861	131.530	0.120000
4427.861	131.584	0.120000
4437.861	131.637	0.120000
4447.229	131.647	0.120000
4457.229	131.683	0.120000
4467.229	131.714	0.120000
4477.229	131.704	0.120000
4487.229	131.720	0.120000
4497.229	131.708	0.120000
4507.229	131.672	0.120000
4517.229	131.682	0.120000
4527.229	131.674	0.120000
4537.229	131.738	0.120000
4547.223	131.758	0.120000
4557.223	131.770	0.120000
4567.223	131.775	0.120000
4577.223	131.782	0.120000
4587.223	131.798	0.120000
4597.223	131.772	0.120000
4606.361	131.755	0.120000
4616.361	131.646	0.120000
4626.361	131.625	0.120000
4636.361	131.429	0.120000
4646.361	131.450	0.120000
4656.361	131.774	0.120000
4666.361	131.780	0.120000
4675.352	131.780	0.120000
4685.352	131.775	0.120000
4695.352	131.737	0.120000
4705.352	131.737	0.120000
4715.352	131.766	0.120000
4725.352	131.845	0.120000
4735.352	131.671	0.120000
4745.352	131.794	0.120000
4755.243	131.690	0.120000
4765.243	131.671	0.120000
4775.243	131.646	0.120000
4785.243	131.659	0.120000
4795.243	131.660	0.120000
4805.212	131.650	0.120000
4815.212	131.650	0.120000
4825.212	131.645	0.120000
4835.212	131.675	0.120000
4845.212	131.653	0.120000
4855.212	131.712	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4865.212	131.719	0.120000
4875.212	131.710	0.120000
4885.212	131.693	0.120000
4895.212	131.676	0.120000
4905.212	131.657	0.120000
4915.212	131.685	0.120000
4925.212	131.707	0.120000
4935.168	131.703	0.120000
4945.168	131.710	0.120000
4955.168	131.702	0.120000
4965.168	131.709	0.120000
4975.168	131.667	0.120000
4985.168	131.703	0.120000
4995.167	131.705	0.120000
5005.167	131.708	0.120000
5015.167	131.699	0.120000
5025.167	131.701	0.120000
5035.167	131.704	0.120000
5045.167	131.696	0.120000
5055.166	131.702	0.120000
5065.166	131.704	0.120000
5075.166	131.707	0.120000
5085.166	131.700	0.120000
5095.166	131.702	0.120000
5105.166	131.705	0.120000
5115.165	131.699	0.120000
5125.165	131.702	0.120000
5135.165	131.701	0.120000
5145.165	131.704	0.120000
5155.165	131.707	0.120000
5164.297	131.704	0.120000
5174.297	131.710	0.120000
5184.297	131.377	0.120000
5194.297	131.246	0.120000
5204.297	131.244	0.120000
5214.297	131.232	0.120000
5224.297	131.233	0.120000
5234.297	131.257	0.120000
5244.297	131.315	0.120000
5254.297	131.577	0.120000
5264.297	131.786	0.120000
5274.259	131.660	0.120000
5284.259	131.555	0.120000
5294.259	131.214	0.120000
5304.259	131.118	0.120000
5314.259	131.161	0.120000
5324.259	131.212	0.120000
5334.259	131.278	0.120000
5344.259	131.318	0.120000
5354.184	131.322	0.120000
5364.184	131.370	0.120000
5374.184	131.549	0.120000
5384.184	131.612	0.120000
5394.184	131.591	0.120000
5403.345	131.582	0.120000
5413.345	131.599	0.120000
5423.345	131.625	0.120000
5433.345	131.662	0.120000
5443.345	131.678	0.120000
5453.345	131.704	0.120000
5463.315	131.740	0.120000
5473.315	131.753	0.120000
5483.315	131.772	0.120000
5493.315	131.799	0.120000
5503.315	131.847	0.120000
5511.652	131.848	0.120000
5521.652	131.830	0.120000
5531.652	131.853	0.120000
5541.652	131.931	0.120000
5551.652	131.958	0.120000
5561.652	131.811	0.120000
5571.652	131.762	0.120000
5581.652	131.771	0.120000



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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400.344	143.894	0.120000
410.344	143.807	0.120000
420.344	143.651	0.120000
430.344	143.545	0.120000
440.344	143.437	0.120000
450.344	143.405	0.120000
460.344	143.372	0.120000
470.305	143.346	0.120000
480.305	143.295	0.120000
490.305	143.303	0.120000
500.305	143.215	0.120000
510.305	143.153	0.120000
520.305	143.108	0.120000
530.305	143.150	0.120000
540.305	143.099	0.120000
550.305	143.026	0.120000
560.305	143.047	0.120000
570.300	143.001	0.120000
580.300	143.031	0.120000
590.300	142.938	0.120000
600.300	142.926	0.120000
610.300	142.871	0.120000
620.300	142.803	0.120000
630.300	142.835	0.120000
640.300	142.744	0.120000
650.300	142.754	0.120000
660.300	142.796	0.120000
670.300	142.787	0.120000
680.300	142.813	0.120000
690.300	142.763	0.120000
700.300	142.760	0.120000
710.300	142.743	0.120000
720.278	142.740	0.120000
730.278	142.760	0.120000
740.278	142.773	0.120000
750.278	142.745	0.120000
760.278	142.698	0.120000
770.278	142.680	0.120000
780.278	142.676	0.120000
790.278	142.672	0.120000
800.278	142.645	0.120000
810.278	142.615	0.120000
820.278	142.576	0.120000
830.278	142.575	0.120000
840.278	142.614	0.120000
849.138	142.592	0.120000
859.138	142.494	0.120000
869.138	142.334	0.120000
879.138	142.128	0.120000
889.138	141.925	0.120000
899.138	141.726	0.120000
909.138	141.634	0.120000
919.138	141.486	0.120000
929.138	141.373	0.120000
939.138	141.287	0.120000
949.138	141.250	0.120000
958.951	141.174	0.120000
968.951	141.076	0.120000
978.951	140.943	0.120000
988.951	140.850	0.120000
998.951	140.714	0.120000
1008.951	140.609	0.120000
1018.951	140.545	0.120000
1028.951	140.517	0.120000
1038.951	140.464	0.120000
1048.951	140.423	0.120000
1058.951	140.415	0.120000
1068.951	140.376	0.120000
1078.951	140.327	0.120000
1088.951	140.277	0.120000
1098.951	140.231	0.120000
1108.951	140.156	0.120000
1117.413	140.093	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1127.413	140.078	0.120000
1137.413	140.035	0.120000
1147.145	139.993	0.120000
1157.145	139.947	0.120000
1167.144	139.921	0.120000
1177.144	139.920	0.120000
1186.344	139.902	0.120000
1196.344	139.887	0.120000
1206.344	139.875	0.120000
1216.344	139.879	0.120000
1226.344	139.913	0.120000
1236.010	139.945	0.120000
1246.010	139.990	0.120000
1256.010	140.004	0.120000
1266.010	140.012	0.120000
1276.010	140.026	0.120000
1286.010	140.030	0.120000
1296.010	140.033	0.120000
1306.010	140.007	0.120000
1316.010	139.989	0.120000
1326.010	139.955	0.120000
1336.010	139.944	0.120000
1346.010	139.908	0.120000
1355.980	139.846	0.120000
1365.980	139.775	0.120000
1375.980	139.687	0.120000
1385.980	139.560	0.120000
1395.980	139.436	0.120000
1405.980	139.376	0.120000
1415.980	139.394	0.120000
1425.980	139.420	0.120000
1435.980	139.411	0.120000
1445.980	139.355	0.120000
1455.980	139.356	0.120000
1465.980	139.374	0.120000
1475.980	139.388	0.120000
1485.980	139.410	0.120000
1495.980	139.436	0.120000
1505.980	139.480	0.120000
1515.980	139.481	0.120000
1525.980	139.454	0.120000
1534.675	139.529	0.120000
1544.675	139.548	0.120000
1554.675	139.412	0.120000
1564.675	139.322	0.120000
1574.675	139.244	0.120000
1584.675	139.143	0.120000
1594.675	139.064	0.120000
1604.675	139.069	0.120000
1614.675	139.331	0.120000
1624.429	139.285	0.120000
1634.429	139.240	0.120000
1644.429	139.049	0.120000
1654.429	138.937	0.120000
1664.429	138.854	0.120000
1674.429	138.753	0.120000
1684.429	138.713	0.120000
1694.429	138.730	0.120000
1704.429	138.731	0.120000
1714.429	138.673	0.120000
1724.429	138.665	0.120000
1734.429	138.654	0.120000
1744.429	138.656	0.120000
1754.429	138.671	0.120000
1764.429	138.734	0.120000
1774.429	138.830	0.120000
1784.429	138.860	0.120000
1794.429	138.843	0.120000
1804.429	138.795	0.120000
1814.429	138.800	0.120000
1823.907	138.810	0.120000
1833.907	138.791	0.120000
1843.907	138.771	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1853.907	138.832	0.120000
1863.907	138.852	0.120000
1873.907	138.857	0.120000
1883.907	138.886	0.120000
1893.907	138.943	0.120000
1903.907	138.953	0.120000
1913.907	138.933	0.120000
1923.907	138.914	0.120000
1933.907	138.844	0.120000
1943.907	138.812	0.120000
1953.907	138.861	0.120000
1963.907	138.916	0.120000
1973.907	138.949	0.120000
1983.907	139.003	0.120000
1993.907	139.022	0.120000
2003.907	139.031	0.120000
2013.907	139.015	0.120000
2023.907	138.993	0.120000
2033.784	138.990	0.120000
2043.784	138.970	0.120000
2053.784	138.973	0.120000
2063.784	139.056	0.120000
2073.784	139.136	0.120000
2083.784	139.274	0.120000
2093.784	139.250	0.120000
2103.784	139.203	0.120000
2113.784	139.048	0.120000
2123.784	138.824	0.120000
2133.784	138.892	0.120000
2143.784	138.953	0.120000
2153.784	138.869	0.120000
2163.784	138.791	0.120000
2173.784	138.655	0.120000
2183.784	138.446	0.120000
2193.784	138.387	0.120000
2203.773	138.334	0.120000
2213.773	138.285	0.120000
2223.773	138.064	0.120000
2233.773	137.913	0.120000
2243.773	137.839	0.120000
2253.773	137.722	0.120000
2263.773	137.627	0.120000
2273.773	137.412	0.120000
2283.773	137.304	0.120000
2293.773	137.157	0.120000
2303.773	137.052	0.120000
2313.773	137.038	0.120000
2323.700	137.076	0.120000
2333.700	137.005	0.120000
2343.700	136.847	0.120000
2353.700	136.797	0.120000
2363.700	136.733	0.120000
2373.700	136.722	0.120000
2383.700	136.790	0.120000
2393.700	136.856	0.120000
2403.700	136.880	0.120000
2413.700	136.875	0.120000
2423.690	136.922	0.120000
2433.690	137.063	0.120000
2443.690	137.116	0.120000
2453.690	137.186	0.120000
2463.690	137.316	0.120000
2473.690	137.477	0.120000
2483.690	137.660	0.120000
2493.690	137.876	0.120000
2503.690	138.096	0.120000
2513.690	138.309	0.120000
2523.690	138.419	0.120000
2533.690	138.628	0.120000
2543.690	138.892	0.120000
2553.690	139.169	0.120000
2563.661	139.507	0.120000
2573.661	139.728	0.120000



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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343.728	139.795	0.120000
353.728	139.570	0.120000
363.728	139.571	0.120000
373.728	139.525	0.120000
383.728	139.474	0.120000
393.728	139.529	0.120000
403.728	139.493	0.120000
413.728	139.258	0.120000
423.724	139.500	0.120000
433.724	139.509	0.120000
443.724	139.630	0.120000
453.724	139.654	0.120000
463.724	139.406	0.120000
473.724	139.604	0.120000
483.724	139.618	0.120000
493.724	139.835	0.120000
503.724	139.524	0.120000
513.724	139.495	0.120000
523.724	139.733	0.120000
533.724	139.750	0.120000
543.724	139.824	0.120000
553.724	139.563	0.120000
563.724	139.533	0.120000
573.724	139.720	0.120000
583.724	139.707	0.120000
593.724	139.732	0.120000
603.724	139.632	0.120000
613.724	139.647	0.120000
623.724	139.598	0.120000
633.724	139.738	0.120000
643.724	139.704	0.120000
653.724	139.715	0.120000
663.724	139.813	0.120000
673.724	139.810	0.120000
683.724	139.907	0.120000
693.724	139.753	0.120000
703.724	139.761	0.120000
713.724	139.734	0.120000
723.724	139.652	0.120000
733.724	139.722	0.120000
743.724	139.655	0.120000
753.724	139.703	0.120000
763.724	139.738	0.120000
773.724	139.636	0.120000
783.724	139.723	0.120000
793.724	139.698	0.120000
803.724	139.580	0.120000
813.724	139.420	0.120000
823.724	139.591	0.120000
833.724	139.711	0.120000
843.724	139.632	0.120000
853.695	139.738	0.120000
863.695	139.785	0.120000
873.695	139.627	0.120000
883.695	139.703	0.120000
893.695	139.660	0.120000
903.695	139.653	0.120000
913.695	139.619	0.120000
923.695	139.674	0.120000
933.695	139.641	0.120000
943.695	139.704	0.120000
953.695	139.681	0.120000
963.695	139.760	0.120000
973.695	139.729	0.120000
983.695	139.717	0.120000
993.695	139.661	0.120000
1003.695	139.698	0.120000
1013.695	139.731	0.120000
1023.695	139.875	0.120000
1033.695	140.128	0.120000
1043.695	140.026	0.120000
1053.695	140.065	0.120000
1063.695	140.055	0.120000





Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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154.478	136.151	0.120000
164.478	136.189	0.120000
174.478	136.205	0.120000
184.478	136.194	0.120000
194.478	136.222	0.120000
204.478	136.201	0.120000
214.478	136.235	0.120000
224.478	136.296	0.120000
234.478	136.330	0.120000
244.478	136.319	0.120000
254.478	136.322	0.120000
264.478	136.278	0.120000
274.478	136.449	0.120000
284.478	136.469	0.120000
294.478	136.485	0.120000
304.478	136.513	0.120000
314.478	136.545	0.120000
324.478	136.608	0.120000
334.478	136.559	0.120000
344.478	136.471	0.120000
354.478	136.594	0.120000
364.478	136.549	0.120000
374.478	136.618	0.120000
384.478	136.644	0.120000
394.478	136.709	0.120000
404.478	136.734	0.120000
414.478	136.711	0.120000
424.478	136.777	0.120000
434.478	136.799	0.120000
444.478	136.840	0.120000
454.478	136.824	0.120000
464.478	136.822	0.120000
474.478	136.796	0.120000
484.478	136.840	0.120000
494.478	136.777	0.120000
504.478	136.798	0.120000
514.478	137.013	0.120000
524.478	137.058	0.120000
534.478	137.119	0.120000
544.478	137.197	0.120000
554.478	137.166	0.120000
564.478	137.179	0.120000
574.478	137.269	0.120000
584.478	137.239	0.120000
594.478	137.318	0.120000
604.478	137.378	0.120000
614.478	137.321	0.120000
624.478	137.396	0.120000
634.478	137.347	0.120000
644.478	137.469	0.120000
654.478	137.263	0.120000
664.478	137.430	0.120000
664.578	141.081	0.120000

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 Name: RHH81173  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	143.596	0.120000
0.000	143.601	0.120000
7.271	143.596	0.120000
17.271	143.586	0.120000
27.271	143.580	0.120000
37.271	143.537	0.120000
47.271	143.477	0.120000
57.271	143.440	0.120000
67.271	143.378	0.120000
77.270	143.231	0.120000
87.270	143.078	0.120000



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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229.982	135.520	0.120000
239.982	135.450	0.120000
249.982	135.414	0.120000
259.982	135.451	0.120000
269.982	135.580	0.120000
279.982	135.552	0.120000
289.982	135.376	0.120000
299.982	135.493	0.120000
309.979	135.503	0.120000
319.979	135.549	0.120000
329.979	135.521	0.120000
339.979	135.565	0.120000
349.979	135.434	0.120000
359.979	135.520	0.120000
369.979	135.542	0.120000
379.979	135.502	0.120000
389.979	135.534	0.120000
399.979	135.488	0.120000
409.979	135.489	0.120000
419.979	135.505	0.120000
429.979	135.536	0.120000
439.979	135.534	0.120000
449.972	135.531	0.120000
459.972	135.504	0.120000
469.972	135.505	0.120000
479.972	135.508	0.120000
489.972	135.540	0.120000
499.972	135.638	0.120000
509.972	135.561	0.120000
519.972	135.545	0.120000
529.972	135.636	0.120000
539.972	135.574	0.120000
549.972	135.523	0.120000
559.972	135.561	0.120000
569.937	135.576	0.120000
579.937	135.557	0.120000
589.937	135.540	0.120000
599.937	135.506	0.120000
609.909	135.574	0.120000
619.909	135.475	0.120000
629.909	135.596	0.120000
639.909	135.474	0.120000
649.909	135.444	0.120000
659.909	135.501	0.120000
669.909	135.531	0.120000
679.909	135.491	0.120000
689.909	135.521	0.120000
699.909	135.476	0.120000
709.909	135.484	0.120000
719.909	135.620	0.120000
729.909	135.460	0.120000
739.909	135.539	0.120000
749.909	135.567	0.120000
759.909	135.589	0.120000
769.909	135.553	0.120000
779.909	135.564	0.120000
789.909	135.569	0.120000
799.909	135.447	0.120000
809.909	135.538	0.120000
819.909	135.554	0.120000
829.908	135.528	0.120000
839.908	135.538	0.120000
849.908	135.520	0.120000
859.908	135.529	0.120000
869.908	135.492	0.120000
879.908	135.453	0.120000
889.908	135.565	0.120000
899.903	135.551	0.120000
909.903	135.622	0.120000
919.903	135.571	0.120000
929.903	135.496	0.120000
939.903	135.482	0.120000
949.903	135.472	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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959.903	135.421	0.120000
969.903	135.542	0.120000
979.901	135.536	0.120000
989.901	135.452	0.120000
999.901	135.568	0.120000
1009.901	135.459	0.120000
1019.901	135.639	0.120000
1029.901	135.578	0.120000
1039.901	135.512	0.120000
1049.901	135.511	0.120000
1059.901	135.590	0.120000
1069.896	135.497	0.120000
1079.896	135.529	0.120000
1089.896	135.520	0.120000
1099.896	135.473	0.120000
1109.896	135.471	0.120000
1119.896	135.482	0.120000
1129.896	135.498	0.120000
1139.896	135.505	0.120000
1149.896	135.515	0.120000
1159.887	135.572	0.120000
1169.887	135.512	0.120000
1179.887	135.545	0.120000
1189.887	135.560	0.120000
1199.887	135.574	0.120000
1209.887	135.615	0.120000
1219.887	135.621	0.120000
1229.887	135.649	0.120000
1239.887	135.625	0.120000
1249.887	135.517	0.120000
1259.887	135.568	0.120000
1269.887	135.605	0.120000
1279.887	135.508	0.120000
1289.885	135.514	0.120000
1299.885	135.551	0.120000
1309.885	135.513	0.120000
1319.885	135.584	0.120000
1329.885	135.590	0.120000
1339.885	135.645	0.120000
1349.885	135.641	0.120000
1359.885	135.658	0.120000
1369.884	135.633	0.120000
1379.884	135.654	0.120000
1389.884	135.631	0.120000
1399.884	135.645	0.120000
1409.884	135.713	0.120000
1419.884	135.609	0.120000
1429.884	135.797	0.120000
1439.884	135.738	0.120000
1449.884	135.675	0.120000
1459.884	135.617	0.120000
1469.884	135.547	0.120000
1479.884	135.677	0.120000
1489.884	135.656	0.120000
1499.884	135.684	0.120000
1509.884	135.674	0.120000
1519.884	135.576	0.120000
1529.884	135.702	0.120000
1539.884	135.613	0.120000
1549.884	135.518	0.120000
1559.884	135.583	0.120000
1569.884	135.509	0.120000
1579.884	135.516	0.120000
1589.884	135.489	0.120000
1599.884	135.568	0.120000
1609.884	135.544	0.120000
1619.884	135.623	0.120000
1629.884	135.475	0.120000
1639.883	135.616	0.120000
1649.883	135.568	0.120000
1659.883	135.517	0.120000
1669.883	135.505	0.120000
1679.883	135.654	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1689.883	135.644	0.120000
1699.883	135.603	0.120000
1709.883	135.697	0.120000
1719.883	135.723	0.120000
1729.883	135.755	0.120000
1739.883	135.648	0.120000
1749.879	135.698	0.120000
1759.879	135.717	0.120000
1769.879	135.784	0.120000
1779.879	135.847	0.120000
1789.879	135.859	0.120000
1799.879	135.776	0.120000
1809.879	135.840	0.120000
1819.879	135.792	0.120000
1829.879	135.809	0.120000
1839.879	135.787	0.120000
1849.879	135.791	0.120000
1859.878	135.801	0.120000
1869.878	135.756	0.120000
1879.878	135.810	0.120000
1889.878	135.809	0.120000
1899.878	135.699	0.120000
1909.878	135.700	0.120000
1919.878	135.708	0.120000
1929.878	135.724	0.120000
1939.878	135.586	0.120000
1949.878	135.669	0.120000
1959.878	135.647	0.120000
1969.878	135.613	0.120000
1979.878	135.545	0.120000
1989.878	135.545	0.120000
1999.878	135.538	0.120000
2009.877	135.540	0.120000
2019.877	135.545	0.120000
2029.877	135.627	0.120000
2039.877	135.475	0.120000
2049.877	135.575	0.120000
2059.877	135.487	0.120000
2069.877	135.547	0.120000
2079.877	135.417	0.120000
2089.876	135.470	0.120000
2099.876	135.533	0.120000
2109.876	135.644	0.120000
2119.876	135.613	0.120000
2129.876	135.505	0.120000
2139.876	135.557	0.120000
2149.876	135.624	0.120000
2159.876	135.558	0.120000
2169.876	135.613	0.120000
2179.875	135.564	0.120000
2189.875	135.620	0.120000
2199.875	135.700	0.120000
2209.875	135.659	0.120000
2219.875	135.697	0.120000
2229.875	135.762	0.120000
2239.875	135.738	0.120000
2249.875	135.684	0.120000
2259.870	135.680	0.120000
2269.870	135.697	0.120000
2279.870	135.863	0.120000
2289.870	135.747	0.120000
2299.870	135.804	0.120000
2309.870	135.832	0.120000
2319.870	135.887	0.120000
2329.870	135.846	0.120000
2339.870	135.997	0.120000
2349.870	136.123	0.120000
2359.870	136.132	0.120000
2369.868	136.168	0.120000
2379.868	136.221	0.120000
2389.868	136.176	0.120000
2399.868	136.201	0.120000
2409.868	136.329	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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2419.868	136.401	0.120000
2429.868	136.194	0.120000
2439.868	136.225	0.120000
2449.864	136.109	0.120000
2459.864	136.239	0.120000
2469.864	136.381	0.120000
2479.864	136.351	0.120000
2489.864	136.303	0.120000
2499.864	136.405	0.120000
2509.864	136.330	0.120000
2519.853	136.365	0.120000
2529.853	136.263	0.120000
2539.853	136.636	0.120000
2549.853	136.436	0.120000
2559.853	136.366	0.120000
2569.853	136.487	0.120000
2579.853	136.394	0.120000
2589.853	136.407	0.120000
2599.853	136.366	0.120000
2609.853	136.501	0.120000
2619.853	136.432	0.120000
2629.853	136.266	0.120000
2639.853	136.470	0.120000
2649.853	136.431	0.120000
2659.853	136.578	0.120000
2669.853	136.422	0.120000
2679.853	136.342	0.120000
2689.853	136.367	0.120000
2699.853	136.474	0.120000
2709.853	136.359	0.120000
2719.853	136.321	0.120000
2729.853	136.443	0.120000
2739.853	136.649	0.120000
2749.845	136.269	0.120000
2759.845	136.365	0.120000
2769.845	136.747	0.120000
2779.845	136.319	0.120000
2789.845	136.433	0.120000
2799.845	136.737	0.120000
2809.845	136.512	0.120000
2819.845	136.576	0.120000
2829.845	136.497	0.120000
2839.845	136.419	0.120000
2849.845	136.694	0.120000
2859.845	136.571	0.120000
2869.845	136.442	0.120000
2879.842	136.527	0.120000
2889.842	136.760	0.120000
2899.842	136.469	0.120000
2909.842	136.513	0.120000
2919.842	136.611	0.120000
2929.842	136.373	0.120000
2939.833	136.419	0.120000
2949.833	136.511	0.120000
2959.833	136.418	0.120000
2969.833	136.418	0.120000
2979.827	136.192	0.120000
2989.827	136.323	0.120000
2999.827	136.418	0.120000
3009.827	136.604	0.120000
3019.827	136.811	0.120000
3029.827	136.567	0.120000
3039.827	136.604	0.120000
3049.827	136.827	0.120000
3059.827	136.567	0.120000
3069.827	136.513	0.120000
3079.827	136.549	0.120000
3089.827	136.637	0.120000
3099.827	136.469	0.120000
3109.827	136.476	0.120000
3119.827	136.535	0.120000
3129.827	136.425	0.120000
3139.827	136.317	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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3149.827	136.413	0.120000
3159.827	136.609	0.120000
3169.827	136.617	0.120000
3179.827	136.363	0.120000
3189.827	136.407	0.120000
3199.827	136.444	0.120000
3209.827	136.368	0.120000
3219.827	136.328	0.120000
3229.827	136.478	0.120000
3239.825	136.386	0.120000
3249.825	136.338	0.120000
3259.825	136.490	0.120000
3269.825	136.437	0.120000
3279.825	136.540	0.120000
3289.825	136.278	0.120000
3299.825	136.308	0.120000
3309.825	136.393	0.120000
3319.825	136.426	0.120000
3329.824	136.375	0.120000
3339.824	136.255	0.120000
3349.824	136.203	0.120000
3359.824	136.172	0.120000
3369.824	136.145	0.120000
3379.824	136.065	0.120000
3389.824	136.037	0.120000
3399.824	136.218	0.120000
3409.824	136.119	0.120000
3419.824	135.991	0.120000
3429.824	136.031	0.120000
3439.817	135.865	0.120000
3449.817	135.979	0.120000
3459.817	136.006	0.120000
3469.817	135.971	0.120000
3479.817	136.007	0.120000
3489.817	135.955	0.120000
3499.817	135.908	0.120000
3509.812	136.000	0.120000
3519.812	136.049	0.120000
3529.812	136.163	0.120000
3539.812	135.984	0.120000
3549.812	136.095	0.120000
3559.812	136.099	0.120000
3569.812	136.193	0.120000
3579.811	136.266	0.120000
3589.811	136.157	0.120000
3599.811	136.157	0.120000
3609.811	136.179	0.120000
3619.811	136.151	0.120000
3629.809	136.424	0.120000
3639.809	136.378	0.120000
3649.806	136.312	0.120000
3659.806	136.349	0.120000
3669.806	136.272	0.120000
3679.806	136.263	0.120000
3689.806	136.225	0.120000
3699.806	136.229	0.120000
3709.806	136.311	0.120000
3719.805	136.375	0.120000
3729.805	136.174	0.120000
3739.803	136.261	0.120000
3749.803	136.148	0.120000
3759.803	136.176	0.120000
3769.803	136.157	0.120000
3779.803	136.142	0.120000
3789.803	136.159	0.120000
3799.795	136.135	0.120000
3809.795	136.117	0.120000
3819.795	136.173	0.120000
3829.795	136.079	0.120000
3839.761	136.215	0.120000
3849.761	136.099	0.120000
3859.761	135.954	0.120000
3869.761	135.815	0.120000



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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3879.707	135.843	0.120000
3889.707	135.889	0.120000
3899.707	135.930	0.120000
3909.707	135.913	0.120000
3919.706	135.874	0.120000
3929.706	135.830	0.120000
3939.706	135.822	0.120000
3949.706	135.796	0.120000
3959.706	135.777	0.120000
3969.706	135.754	0.120000
3979.706	135.781	0.120000
3989.706	135.652	0.120000
3999.597	135.677	0.120000
4009.597	135.551	0.120000
4019.597	135.522	0.120000
4029.597	135.478	0.120000
4039.583	135.555	0.120000
4049.583	135.546	0.120000
4059.560	135.551	0.120000
4069.560	135.564	0.120000
4079.559	135.560	0.120000
4089.559	135.671	0.120000
4099.559	135.909	0.120000
4109.559	135.808	0.120000
4119.551	135.843	0.120000
4129.551	135.871	0.120000
4139.551	135.821	0.120000
4149.514	135.769	0.120000
4159.514	135.817	0.120000
4169.514	135.833	0.120000
4179.514	135.781	0.120000
4189.514	135.785	0.120000
4199.514	135.767	0.120000
4209.509	135.791	0.120000
4219.509	135.796	0.120000
4229.509	135.752	0.120000
4239.509	135.675	0.120000
4249.509	135.674	0.120000
4259.508	135.742	0.120000
4269.508	135.658	0.120000
4279.508	135.752	0.120000
4289.508	135.724	0.120000
4299.508	135.747	0.120000
4309.501	135.708	0.120000
4319.501	135.631	0.120000
4329.501	135.732	0.120000
4339.473	135.735	0.120000
4349.473	135.712	0.120000
4359.473	135.738	0.120000
4369.473	135.784	0.120000
4379.473	135.804	0.120000
4389.473	135.829	0.120000
4399.473	135.748	0.120000
4409.469	135.849	0.120000
4419.469	135.841	0.120000
4429.469	135.813	0.120000
4439.469	135.727	0.120000
4449.469	135.752	0.120000
4459.460	135.850	0.120000
4469.460	135.807	0.120000
4479.460	135.768	0.120000
4489.421	135.740	0.120000
4499.421	135.764	0.120000
4509.421	135.804	0.120000
4519.421	135.721	0.120000
4529.421	135.836	0.120000
4539.420	135.735	0.120000
4549.420	135.760	0.120000
4559.420	135.762	0.120000
4569.420	135.779	0.120000
4579.415	135.839	0.120000
4589.415	135.816	0.120000
4599.415	135.727	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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4609.415	135.779	0.120000
4619.413	135.826	0.120000
4629.413	135.855	0.120000
4639.413	135.872	0.120000
4649.413	135.780	0.120000
4659.413	135.795	0.120000
4669.413	135.869	0.120000
4679.413	135.847	0.120000
4689.413	135.865	0.120000
4699.413	135.758	0.120000
4709.413	135.762	0.120000
4719.413	135.817	0.120000
4729.413	135.764	0.120000
4739.413	135.790	0.120000
4749.413	135.776	0.120000
4759.413	135.835	0.120000
4769.409	135.735	0.120000
4779.409	135.788	0.120000
4789.409	135.847	0.120000
4799.409	135.718	0.120000
4809.409	135.748	0.120000
4819.409	135.869	0.120000
4829.406	135.810	0.120000
4839.406	135.771	0.120000
4849.406	135.759	0.120000
4859.406	135.793	0.120000
4869.406	135.791	0.120000
4879.405	135.877	0.120000
4889.405	135.860	0.120000
4899.405	135.872	0.120000
4909.405	135.830	0.120000
4919.402	135.760	0.120000
4929.402	135.759	0.120000
4939.402	135.832	0.120000
4949.402	135.811	0.120000
4959.402	135.867	0.120000
4969.402	135.820	0.120000

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 Name: RHH81180C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.583	0.120000
0.000	133.386	0.120000
1.037	133.386	0.120000
10.835	133.351	0.120000
20.835	133.348	0.120000
30.835	133.305	0.120000
40.835	133.242	0.120000
50.772	133.236	0.120000
60.772	133.230	0.120000
70.772	133.216	0.120000
80.772	133.222	0.120000
90.772	133.202	0.120000
100.743	133.181	0.120000
110.743	133.255	0.120000
120.743	133.263	0.120000
130.743	133.247	0.120000
140.743	133.239	0.120000
150.727	133.218	0.120000
160.727	133.173	0.120000
170.727	133.156	0.120000
180.727	133.147	0.120000
190.727	133.148	0.120000
200.727	133.232	0.120000
210.727	133.145	0.120000
220.727	133.108	0.120000
230.647	133.156	0.120000
240.647	133.201	0.120000

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Complete Input Report

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250.486	133.335	0.120000
260.486	133.163	0.120000
270.486	133.184	0.120000
280.482	133.157	0.120000
290.482	133.181	0.120000
300.482	133.208	0.120000
310.482	133.190	0.120000
320.453	133.208	0.120000
330.453	133.163	0.120000
340.453	133.186	0.120000
350.453	133.271	0.120000
360.453	133.263	0.120000
370.452	133.298	0.120000
380.452	133.489	0.120000
390.452	133.326	0.120000
400.452	133.377	0.120000
410.449	133.381	0.120000
420.449	133.328	0.120000
430.449	133.341	0.120000
440.449	133.256	0.120000
450.446	133.262	0.120000
460.446	133.129	0.120000
470.446	133.142	0.120000
480.446	133.140	0.120000
490.445	133.134	0.120000
500.445	133.071	0.120000
510.445	133.042	0.120000
520.445	133.035	0.120000
530.407	133.078	0.120000
540.407	133.083	0.120000
550.407	133.146	0.120000
560.400	133.143	0.120000
570.400	133.055	0.120000
580.400	133.084	0.120000
590.400	133.050	0.120000
600.400	133.034	0.120000
610.400	132.971	0.120000
620.384	132.875	0.120000
630.384	132.755	0.120000
640.384	132.715	0.120000
650.375	132.805	0.120000
660.375	132.763	0.120000
670.356	132.877	0.120000
680.356	133.100	0.120000
690.170	133.125	0.120000
700.170	133.199	0.120000
710.170	133.209	0.120000
719.945	133.214	0.120000
729.945	133.219	0.120000
739.945	133.205	0.120000
749.622	133.220	0.120000
759.622	133.266	0.120000
769.622	133.399	0.120000
779.518	133.268	0.120000
789.518	133.341	0.120000
799.268	133.338	0.120000
809.268	133.351	0.120000
819.264	133.247	0.120000
829.264	133.271	0.120000
839.264	133.282	0.120000
849.264	133.295	0.120000
859.264	133.275	0.120000
869.264	133.253	0.120000
879.261	133.212	0.120000
889.261	133.165	0.120000
899.260	133.160	0.120000
909.260	133.151	0.120000
919.260	133.127	0.120000
929.260	133.087	0.120000
939.126	133.079	0.120000
949.126	133.045	0.120000
958.853	133.113	0.120000
968.853	133.198	0.120000

Proposed Polk City Model (Basins 5-8)  
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978.853	133.176	0.120000
988.700	133.188	0.120000
998.700	133.150	0.120000
1008.509	133.142	0.120000
1018.509	133.218	0.120000
1028.509	133.099	0.120000
1038.509	133.028	0.120000
1048.380	133.030	0.120000
1057.847	133.007	0.120000
1067.847	132.969	0.120000
1077.847	132.949	0.120000
1087.842	132.939	0.120000
1097.842	132.926	0.120000
1107.842	132.916	0.120000
1117.828	132.900	0.120000
1127.828	132.906	0.120000
1137.828	132.885	0.120000
1147.751	132.905	0.120000
1157.751	132.926	0.120000
1167.600	132.905	0.120000
1177.600	132.910	0.120000
1187.600	132.918	0.120000
1197.600	132.950	0.120000
1207.467	132.913	0.120000
1217.467	132.929	0.120000
1227.467	132.877	0.120000
1237.453	132.854	0.120000
1247.453	132.925	0.120000
1257.453	132.920	0.120000
1267.452	132.889	0.120000
1277.452	132.902	0.120000
1287.452	132.894	0.120000
1297.452	132.822	0.120000
1307.288	132.831	0.120000
1317.288	132.766	0.120000
1327.026	132.863	0.120000
1337.026	132.743	0.120000
1346.269	132.716	0.120000
1355.795	132.690	0.120000
1365.795	132.703	0.120000
1375.761	132.730	0.120000
1385.761	132.736	0.120000
1395.665	132.710	0.120000
1405.308	132.713	0.120000
1415.272	132.671	0.120000
1425.251	132.651	0.120000
1435.251	132.661	0.120000
1445.162	132.705	0.120000
1455.162	132.746	0.120000
1465.143	132.793	0.120000
1475.143	132.828	0.120000
1485.143	132.841	0.120000
1489.568	132.855	0.120000
1497.364	132.903	0.120000
1506.181	132.697	0.120000
1516.181	132.583	0.120000
1526.070	132.779	0.120000
1535.937	132.898	0.120000
1545.937	133.074	0.120000
1555.937	133.396	0.120000
1565.560	133.649	0.120000
1575.560	134.051	0.120000
1585.432	134.209	0.120000
1595.432	134.170	0.120000
1603.096	134.153	0.120000
1613.096	134.166	0.120000
1623.096	134.182	0.120000
1633.096	134.162	0.120000
1643.096	134.100	0.120000
1653.088	134.095	0.120000
1663.015	134.096	0.120000
1673.015	134.106	0.120000
1683.015	134.115	0.120000

1683.115                  137.583                  0.120000

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 Name: RHH81180D                          Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	136.101	0.120000
0.000	134.115	0.120000
7.427	134.128	0.120000
17.427	134.147	0.120000
27.427	134.138	0.120000
37.247	133.949	0.120000
47.247	133.880	0.120000
57.247	133.799	0.120000
67.247	133.774	0.120000
77.114	133.721	0.120000
87.109	133.658	0.120000
97.109	133.639	0.120000
107.109	133.632	0.120000
116.979	133.626	0.120000
126.979	133.626	0.120000
136.979	133.616	0.120000
146.898	133.614	0.120000
156.898	133.619	0.120000
166.628	133.631	0.120000
176.628	133.641	0.120000
186.628	133.621	0.120000
196.628	133.612	0.120000
206.628	133.595	0.120000
216.588	133.650	0.120000
226.588	133.683	0.120000
236.588	133.724	0.120000
246.574	133.697	0.120000
256.376	133.638	0.120000
266.376	133.628	0.120000
275.746	133.652	0.120000
285.746	133.617	0.120000
295.746	133.489	0.120000
305.746	133.375	0.120000
315.746	133.272	0.120000
325.746	133.141	0.120000
335.695	133.057	0.120000
345.695	133.009	0.120000
355.686	133.129	0.120000
365.686	132.874	0.120000
375.680	132.439	0.120000
385.680	132.115	0.120000
395.680	131.906	0.120000
405.659	131.722	0.120000
415.659	131.537	0.120000
425.659	131.444	0.120000
435.512	131.397	0.120000
445.512	131.364	0.120000
455.512	131.336	0.120000
465.510	131.331	0.120000
475.510	131.364	0.120000
485.510	131.481	0.120000
495.510	131.578	0.120000
505.510	131.673	0.120000
515.439	131.755	0.120000
525.439	131.804	0.120000
535.439	131.877	0.120000
543.682	131.933	0.120000
553.682	131.915	0.120000
563.315	131.821	0.120000
573.315	131.587	0.120000
583.315	131.423	0.120000
593.090	131.281	0.120000
603.090	131.194	0.120000

Proposed Polk City Model (Basins 5-8)  
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613.090	131.140	0.120000
623.030	131.115	0.120000
633.030	131.101	0.120000
643.030	131.107	0.120000
653.030	131.142	0.120000
663.030	131.174	0.120000
673.030	131.227	0.120000
683.030	131.307	0.120000
692.906	131.398	0.120000
702.906	131.465	0.120000
712.785	131.473	0.120000
722.785	131.446	0.120000
732.641	131.468	0.120000
742.641	131.488	0.120000
752.641	131.538	0.120000
762.641	131.586	0.120000
772.109	131.671	0.120000
782.109	131.735	0.120000
792.096	131.722	0.120000
802.096	131.679	0.120000
812.096	131.679	0.120000
822.052	131.705	0.120000
832.052	131.699	0.120000
842.052	131.740	0.120000
852.052	131.823	0.120000
862.048	131.864	0.120000
872.048	131.886	0.120000
882.048	131.871	0.120000
892.048	131.851	0.120000
902.048	131.850	0.120000
912.048	131.881	0.120000
922.032	132.007	0.120000
932.032	132.100	0.120000
942.032	132.223	0.120000
952.032	132.377	0.120000
961.793	132.558	0.120000
971.793	132.755	0.120000
981.793	133.157	0.120000
991.793	133.224	0.120000
1000.707	133.124	0.120000
1010.707	132.790	0.120000
1020.600	132.617	0.120000
1030.600	132.638	0.120000
1040.600	132.584	0.120000
1050.600	132.644	0.120000
1060.452	132.687	0.120000
1070.452	132.771	0.120000
1080.452	132.852	0.120000
1090.113	132.865	0.120000
1100.113	132.887	0.120000
1109.584	132.947	0.120000
1119.218	132.962	0.120000
1129.218	132.938	0.120000
1139.187	132.899	0.120000
1149.187	132.824	0.120000
1159.187	132.741	0.120000
1169.187	132.726	0.120000
1179.186	132.760	0.120000
1189.186	132.788	0.120000
1199.186	132.822	0.120000
1209.186	132.789	0.120000
1219.186	132.791	0.120000
1228.774	132.801	0.120000
1238.774	132.812	0.120000
1248.044	132.780	0.120000
1258.044	132.743	0.120000
1268.044	132.704	0.120000
1277.916	132.666	0.120000
1287.916	132.629	0.120000
1297.916	132.611	0.120000
1307.801	132.600	0.120000
1317.801	132.596	0.120000
1327.801	132.611	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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1337.476	132.629	0.120000
1347.476	132.637	0.120000
1357.476	132.652	0.120000
1367.476	132.677	0.120000
1377.057	132.678	0.120000
1387.057	132.682	0.120000
1397.057	132.686	0.120000
1406.947	132.701	0.120000
1416.947	132.709	0.120000
1426.947	132.718	0.120000
1436.947	132.734	0.120000
1446.872	132.735	0.120000
1456.872	132.754	0.120000
1466.872	132.751	0.120000
1476.872	132.731	0.120000
1486.872	132.764	0.120000
1496.872	132.794	0.120000
1506.872	132.811	0.120000
1516.872	132.787	0.120000
1526.872	132.769	0.120000
1536.872	132.756	0.120000
1546.673	132.743	0.120000
1556.673	132.733	0.120000
1566.673	132.747	0.120000
1576.377	132.732	0.120000
1586.183	132.717	0.120000
1596.183	132.706	0.120000
1606.183	132.717	0.120000
1616.183	132.735	0.120000
1626.169	132.716	0.120000
1636.169	132.710	0.120000
1646.169	132.739	0.120000
1655.060	132.832	0.120000
1665.060	132.846	0.120000
1674.671	132.863	0.120000
1684.671	132.758	0.120000
1684.771	136.101	0.120000

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 Name: RHH81180WS  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.646	0.120000
0.000	135.309	0.120000
9.799	135.194	0.120000
19.543	134.892	0.120000
29.543	134.709	0.120000
39.543	134.560	0.120000
49.543	134.328	0.120000
59.543	134.273	0.120000
69.543	134.240	0.120000
79.543	134.168	0.120000
89.543	134.100	0.120000
99.543	134.027	0.120000
109.543	133.993	0.120000
119.543	133.978	0.120000
129.543	133.912	0.120000
139.543	133.871	0.120000
147.988	133.893	0.120000
157.675	133.925	0.120000
167.675	133.906	0.120000
177.629	133.878	0.120000
187.629	133.893	0.120000
197.629	133.839	0.120000
207.629	133.851	0.120000
217.629	133.820	0.120000
227.629	133.817	0.120000
237.629	133.765	0.120000
245.653	133.743	0.120000

Proposed Polk City Model (Basins 5-8)  
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255.653	133.898	0.120000
265.653	133.761	0.120000
275.653	133.724	0.120000
285.653	133.928	0.120000
295.653	133.758	0.120000
305.653	133.931	0.120000
315.653	134.045	0.120000
325.653	134.183	0.120000
335.653	134.069	0.120000
345.653	134.033	0.120000
355.653	133.690	0.120000
365.595	133.268	0.120000
375.595	133.114	0.120000
385.595	132.915	0.120000
395.595	132.784	0.120000
405.475	132.748	0.120000
415.475	132.715	0.120000
425.475	132.659	0.120000
435.475	132.792	0.120000
445.475	132.807	0.120000
455.475	132.783	0.120000
465.475	132.746	0.120000
475.475	132.730	0.120000
485.475	132.798	0.120000
495.475	132.935	0.120000
505.475	132.893	0.120000
515.475	132.765	0.120000
524.872	132.656	0.120000
534.872	132.659	0.120000
544.872	132.654	0.120000
554.872	132.651	0.120000
563.745	132.663	0.120000
573.745	132.646	0.120000
583.745	132.654	0.120000
593.745	132.769	0.120000
603.745	132.747	0.120000
613.745	132.800	0.120000
623.745	133.166	0.120000
633.745	133.140	0.120000
643.745	133.353	0.120000
653.745	133.528	0.120000
662.210	133.861	0.120000
672.210	134.144	0.120000
682.210	134.181	0.120000
692.210	134.105	0.120000
702.210	134.071	0.120000
712.210	134.181	0.120000
722.210	134.373	0.120000
732.210	134.419	0.120000
742.210	134.485	0.120000
752.210	134.356	0.120000
762.210	134.340	0.120000
772.210	134.199	0.120000
782.210	133.989	0.120000
792.210	133.622	0.120000
802.210	133.532	0.120000
812.210	133.566	0.120000
822.210	133.414	0.120000
832.210	133.462	0.120000
842.210	133.566	0.120000
852.210	133.277	0.120000
861.116	133.288	0.120000
871.116	133.263	0.120000
881.116	133.239	0.120000
891.094	133.243	0.120000
901.094	133.211	0.120000
911.094	133.074	0.120000
921.094	133.060	0.120000
931.094	133.122	0.120000
941.094	133.160	0.120000
942.778	133.160	0.120000
942.878	137.646	0.120000





Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
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419.753	132.826	0.120000
429.753	132.735	0.120000
439.753	132.616	0.120000
449.753	132.499	0.120000
459.481	132.384	0.120000
469.481	132.320	0.120000
479.481	132.290	0.120000
489.481	132.234	0.120000
499.481	132.293	0.120000
509.481	132.470	0.120000
519.481	132.703	0.120000
529.410	132.779	0.120000
539.410	132.312	0.120000
549.410	132.109	0.120000
559.410	131.972	0.120000
569.410	131.868	0.120000
579.410	131.821	0.120000
589.410	131.835	0.120000
599.410	131.878	0.120000
609.387	131.869	0.120000
619.387	131.862	0.120000
629.387	131.884	0.120000
639.387	131.816	0.120000
649.353	131.689	0.120000
659.353	131.561	0.120000
669.353	131.445	0.120000
679.350	131.340	0.120000
689.350	131.281	0.120000
699.350	131.225	0.120000
709.170	131.214	0.120000
719.170	131.197	0.120000
729.170	131.197	0.120000
739.144	131.178	0.120000
749.144	131.172	0.120000
759.144	131.133	0.120000
769.144	131.112	0.120000
779.061	131.119	0.120000
789.061	131.152	0.120000
799.061	131.179	0.120000
809.061	131.231	0.120000
818.803	131.336	0.120000
828.803	132.055	0.120000
838.795	133.007	0.120000
848.795	134.519	0.120000
858.795	134.637	0.120000
868.787	134.987	0.120000
878.787	135.728	0.120000
888.787	136.522	0.120000
898.785	137.107	0.120000
908.785	137.213	0.120000
918.785	137.403	0.120000
918.885	137.403	0.120000

Name: RHH811821W Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	137.512	0.120000
0.000	135.685	0.120000
10.000	135.636	0.120000
20.000	135.311	0.120000
30.000	134.296	0.120000
40.000	133.793	0.120000
50.000	133.278	0.120000
60.000	133.021	0.120000
69.474	132.831	0.120000
79.235	132.717	0.120000
89.235	132.700	0.120000
99.235	132.628	0.120000





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418.510	133.847	0.120000
428.510	133.826	0.120000
438.510	133.799	0.120000
448.510	133.763	0.120000
457.748	133.726	0.120000
467.748	133.672	0.120000
477.748	133.605	0.120000
487.748	133.553	0.120000
497.748	133.497	0.120000
507.703	133.494	0.120000
517.703	133.436	0.120000
527.703	133.407	0.120000
537.464	133.370	0.120000
547.464	133.377	0.120000
557.464	133.379	0.120000
567.464	133.345	0.120000
577.464	133.314	0.120000
587.447	133.308	0.120000
597.447	133.306	0.120000
607.447	133.305	0.120000
617.447	133.301	0.120000
627.379	133.354	0.120000
637.379	133.750	0.120000
646.055	133.826	0.120000
656.055	133.649	0.120000
665.147	133.282	0.120000
675.147	133.363	0.120000
685.147	133.804	0.120000
694.539	133.744	0.120000
704.391	133.790	0.120000
714.391	133.779	0.120000
724.321	133.413	0.120000
734.321	133.401	0.120000
744.298	133.257	0.120000
754.298	133.163	0.120000
764.298	133.301	0.120000
774.298	133.615	0.120000
784.292	133.675	0.120000
794.292	133.380	0.120000
804.292	133.360	0.120000
814.280	133.340	0.120000
824.280	133.404	0.120000
834.181	133.430	0.120000
844.181	133.507	0.120000
854.181	133.517	0.120000
863.614	133.467	0.120000
873.614	133.472	0.120000
883.614	133.414	0.120000
893.614	133.450	0.120000
903.274	133.437	0.120000
913.274	133.403	0.120000
923.274	133.456	0.120000
932.933	133.426	0.120000
942.933	133.330	0.120000
952.933	133.326	0.120000
962.933	133.345	0.120000
972.917	133.270	0.120000
982.917	133.503	0.120000
992.917	133.581	0.120000
1002.840	133.403	0.120000
1012.840	133.321	0.120000
1022.840	133.248	0.120000
1032.840	133.229	0.120000
1042.321	133.200	0.120000
1052.321	133.365	0.120000
1062.199	133.484	0.120000
1072.199	133.465	0.120000
1082.010	133.382	0.120000
1092.010	133.412	0.120000
1102.010	133.650	0.120000
1111.456	133.518	0.120000
1121.456	133.474	0.120000
1131.431	133.302	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1141.431	133.443	0.120000
1151.431	133.708	0.120000
1161.429	133.475	0.120000
1171.429	133.438	0.120000
1181.429	133.762	0.120000
1191.345	134.003	0.120000
1201.345	133.747	0.120000
1211.345	133.614	0.120000
1221.345	133.609	0.120000
1231.238	133.417	0.120000
1241.238	133.271	0.120000
1250.705	133.258	0.120000
1260.705	133.198	0.120000
1270.705	133.256	0.120000
1280.705	133.408	0.120000
1287.091	133.392	0.120000
1297.091	133.179	0.120000
1307.091	132.857	0.120000
1317.091	132.761	0.120000
1327.091	132.814	0.120000
1337.086	132.958	0.120000
1347.086	133.126	0.120000
1354.583	133.053	0.120000
1364.583	132.460	0.120000
1374.583	132.256	0.120000
1384.583	131.937	0.120000
1394.247	131.571	0.120000
1404.247	131.657	0.120000
1414.247	132.034	0.120000
1424.247	132.105	0.120000
1434.247	132.177	0.120000
1444.247	132.177	0.120000
1454.245	132.197	0.120000
1464.245	132.233	0.120000
1474.245	132.274	0.120000
1484.245	132.397	0.120000
1494.245	132.485	0.120000
1504.245	132.716	0.120000
1511.941	132.373	0.120000
1521.941	132.036	0.120000
1531.941	132.195	0.120000
1541.941	132.192	0.120000
1551.941	131.905	0.120000
1560.611	131.682	0.120000
1570.611	131.589	0.120000
1580.611	131.491	0.120000
1590.611	131.401	0.120000
1600.611	131.396	0.120000
1610.611	131.351	0.120000
1620.599	131.371	0.120000
1630.599	131.375	0.120000
1640.599	131.382	0.120000
1650.599	131.383	0.120000
1658.315	131.412	0.120000
1668.315	131.433	0.120000
1678.315	131.555	0.120000
1688.315	131.583	0.120000
1698.315	131.738	0.120000
1708.284	131.925	0.120000
1718.284	131.886	0.120000
1728.284	131.843	0.120000
1738.076	131.871	0.120000
1748.076	131.825	0.120000
1758.076	131.809	0.120000
1768.076	131.912	0.120000
1776.338	132.057	0.120000
1786.338	132.021	0.120000
1796.338	132.115	0.120000
1806.338	132.221	0.120000
1815.624	132.354	0.120000
1825.624	132.460	0.120000
1835.624	132.362	0.120000
1845.617	132.195	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1855.617	131.995	0.120000
1865.617	131.725	0.120000
1875.504	131.585	0.120000
1885.504	131.492	0.120000
1895.504	131.483	0.120000
1905.504	131.526	0.120000
1915.493	131.569	0.120000
1925.397	131.556	0.120000
1935.397	131.647	0.120000
1945.397	131.783	0.120000
1955.344	131.957	0.120000
1965.344	132.080	0.120000
1975.344	132.210	0.120000
1984.360	132.293	0.120000
1994.360	132.340	0.120000
2004.360	132.340	0.120000
2013.137	132.364	0.120000
2023.137	132.376	0.120000
2033.137	132.428	0.120000
2043.137	132.449	0.120000
2053.137	132.492	0.120000
2062.313	132.522	0.120000
2072.313	132.541	0.120000
2082.313	132.665	0.120000
2092.156	132.756	0.120000
2102.156	132.826	0.120000
2112.156	132.878	0.120000
2122.156	132.892	0.120000
2132.135	132.872	0.120000
2142.135	132.861	0.120000
2152.135	132.864	0.120000
2162.135	132.860	0.120000
2172.124	132.864	0.120000
2182.124	132.884	0.120000
2192.124	132.898	0.120000
2202.124	132.921	0.120000
2212.124	132.961	0.120000
2221.759	132.996	0.120000
2231.759	133.052	0.120000
2241.759	133.239	0.120000
2251.759	133.327	0.120000
2261.759	133.400	0.120000
2271.759	133.399	0.120000
2281.759	133.368	0.120000
2291.759	133.266	0.120000
2301.759	133.127	0.120000
2311.759	133.210	0.120000
2321.759	133.180	0.120000
2331.746	133.214	0.120000
2341.746	133.180	0.120000
2351.746	133.255	0.120000
2361.746	133.302	0.120000
2371.746	132.845	0.120000
2381.746	132.507	0.120000
2391.642	132.222	0.120000
2401.642	132.184	0.120000
2411.642	132.183	0.120000
2421.642	132.245	0.120000
2431.642	132.481	0.120000
2441.642	132.362	0.120000
2451.528	132.276	0.120000
2461.528	132.322	0.120000
2471.528	132.417	0.120000
2481.528	132.361	0.120000
2491.528	132.289	0.120000
2501.528	132.163	0.120000
2511.528	132.155	0.120000
2521.493	132.149	0.120000
2531.493	132.163	0.120000
2541.469	132.198	0.120000
2551.469	132.260	0.120000
2561.351	132.413	0.120000
2571.351	132.400	0.120000





Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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240.014	137.244	0.120000
250.014	137.150	0.120000
260.014	137.144	0.120000
269.975	137.146	0.120000
279.975	137.099	0.120000
289.973	137.183	0.120000
299.973	137.129	0.120000
309.970	137.061	0.120000
319.970	137.229	0.120000
329.961	137.164	0.120000
339.961	137.226	0.120000
349.960	137.184	0.120000
359.960	137.097	0.120000
369.960	137.184	0.120000
379.960	137.124	0.120000
389.954	137.018	0.120000
399.954	136.956	0.120000
409.942	136.881	0.120000
419.942	136.900	0.120000
429.811	136.890	0.120000
439.786	136.839	0.120000
449.786	136.873	0.120000
459.759	136.904	0.120000
469.759	136.699	0.120000
479.739	136.811	0.120000
489.672	136.753	0.120000
499.655	136.802	0.120000
509.655	136.834	0.120000
519.655	136.829	0.120000
529.654	136.788	0.120000
539.638	136.817	0.120000
549.638	136.783	0.120000
559.638	136.802	0.120000
569.630	136.699	0.120000
579.630	136.697	0.120000
589.513	136.733	0.120000
599.513	136.761	0.120000
609.435	136.707	0.120000
619.435	136.759	0.120000
629.433	136.686	0.120000
639.400	136.799	0.120000
649.400	136.738	0.120000
659.386	136.668	0.120000
669.386	136.740	0.120000
679.372	136.739	0.120000
689.372	136.754	0.120000
699.364	136.761	0.120000
709.364	136.749	0.120000
719.364	136.735	0.120000
729.364	136.717	0.120000
739.364	136.697	0.120000
749.362	136.656	0.120000
759.358	136.675	0.120000
769.358	136.794	0.120000
779.343	136.637	0.120000
789.336	136.845	0.120000
799.336	136.764	0.120000
809.325	136.737	0.120000
819.325	136.757	0.120000
829.324	136.862	0.120000
839.324	136.847	0.120000
849.324	136.770	0.120000
859.314	136.783	0.120000
869.314	136.833	0.120000
879.314	136.779	0.120000
889.304	136.737	0.120000
899.304	136.803	0.120000
909.288	136.757	0.120000
919.098	136.736	0.120000
929.098	136.794	0.120000
938.960	136.722	0.120000
948.960	136.694	0.120000
958.898	136.764	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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968.898	136.681	0.120000
978.894	136.730	0.120000
988.894	136.865	0.120000
998.893	136.825	0.120000
1008.893	136.774	0.120000
1018.893	136.796	0.120000
1028.884	136.693	0.120000
1038.884	136.699	0.120000
1048.884	136.758	0.120000
1058.884	136.753	0.120000
1068.864	136.789	0.120000
1078.864	136.839	0.120000
1088.862	136.864	0.120000
1098.862	136.892	0.120000
1108.862	136.904	0.120000
1118.862	136.779	0.120000
1128.861	136.889	0.120000
1138.858	136.847	0.120000
1148.858	136.680	0.120000
1158.785	136.805	0.120000
1168.785	136.867	0.120000
1178.775	136.924	0.120000
1188.762	136.819	0.120000
1198.762	136.731	0.120000
1208.571	136.867	0.120000
1218.571	136.806	0.120000
1228.567	136.806	0.120000
1238.485	136.785	0.120000
1248.483	136.835	0.120000
1258.483	136.812	0.120000
1268.480	136.798	0.120000
1278.466	136.761	0.120000
1288.466	136.718	0.120000
1298.413	136.671	0.120000
1308.412	136.886	0.120000
1318.412	136.837	0.120000
1328.361	136.825	0.120000
1338.361	136.765	0.120000
1348.361	136.836	0.120000
1358.354	136.781	0.120000
1368.354	136.930	0.120000
1378.353	136.805	0.120000
1388.353	136.728	0.120000
1398.353	136.729	0.120000
1408.350	136.705	0.120000
1418.350	136.757	0.120000
1428.350	136.841	0.120000
1438.350	136.842	0.120000
1448.338	136.706	0.120000
1458.338	136.641	0.120000
1468.229	136.726	0.120000
1478.229	136.826	0.120000
1488.087	136.872	0.120000
1497.985	136.750	0.120000
1507.985	136.793	0.120000
1517.985	136.661	0.120000
1527.985	136.742	0.120000
1537.985	136.627	0.120000
1547.977	136.594	0.120000
1557.977	136.661	0.120000
1567.977	136.587	0.120000
1577.977	136.576	0.120000
1587.977	136.676	0.120000
1597.975	136.732	0.120000
1607.975	136.735	0.120000
1617.975	136.699	0.120000
1627.915	136.666	0.120000
1637.915	136.428	0.120000
1647.861	136.711	0.120000
1657.861	136.686	0.120000
1667.861	136.670	0.120000
1677.861	136.641	0.120000
1687.861	136.737	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1697.861	136.695	0.120000
1707.861	136.776	0.120000
1717.861	136.800	0.120000
1727.861	136.748	0.120000
1737.861	136.692	0.120000
1747.861	136.735	0.120000
1757.859	136.682	0.120000
1767.859	136.738	0.120000
1777.859	136.703	0.120000
1787.859	136.654	0.120000
1797.859	136.612	0.120000
1807.859	136.629	0.120000
1817.859	136.737	0.120000
1827.859	136.653	0.120000
1837.859	136.641	0.120000
1847.859	136.666	0.120000
1857.859	136.788	0.120000
1867.859	136.637	0.120000
1877.859	136.584	0.120000
1887.859	136.654	0.120000
1897.859	136.726	0.120000
1907.859	136.763	0.120000
1917.859	136.829	0.120000
1927.858	136.707	0.120000
1937.858	136.765	0.120000
1947.858	136.759	0.120000
1957.858	136.836	0.120000
1967.858	136.876	0.120000
1977.858	136.910	0.120000
1987.858	136.860	0.120000
1997.858	136.830	0.120000
2007.858	136.893	0.120000
2017.858	136.948	0.120000
2027.858	136.891	0.120000
2037.858	136.855	0.120000
2047.858	136.978	0.120000
2057.858	137.235	0.120000
2067.858	137.355	0.120000
2077.858	137.343	0.120000
2087.858	137.120	0.120000
2097.858	137.054	0.120000
2107.858	137.169	0.120000
2117.858	137.074	0.120000
2127.858	137.164	0.120000
2137.858	137.181	0.120000
2147.858	137.095	0.120000
2157.858	137.174	0.120000
2167.858	137.259	0.120000
2177.858	137.329	0.120000
2187.858	137.519	0.120000
2197.858	137.356	0.120000
2207.858	137.449	0.120000
2217.858	137.574	0.120000
2227.858	137.592	0.120000
2237.842	137.674	0.120000
2247.514	137.577	0.120000
2257.514	137.767	0.120000
2267.514	137.746	0.120000
2277.514	137.772	0.120000
2287.514	137.987	0.120000
2297.514	138.016	0.120000
2307.512	138.125	0.120000
2317.512	138.134	0.120000
2327.512	138.154	0.120000
2337.512	138.204	0.120000
2347.512	138.356	0.120000
2357.512	138.337	0.120000
2367.512	138.328	0.120000
2377.512	138.312	0.120000
2387.512	138.459	0.120000
2397.512	138.651	0.120000
2407.512	138.630	0.120000
2417.509	138.634	0.120000

Proposed Polk City Model (Basins 5-8)  
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2427.509	138.726	0.120000
2437.509	138.878	0.120000
2447.509	138.815	0.120000
2457.508	138.894	0.120000
2467.508	138.917	0.120000
2477.508	138.999	0.120000
2487.508	139.096	0.120000
2497.506	139.123	0.120000
2507.506	139.172	0.120000
2517.506	139.248	0.120000
2527.506	139.187	0.120000
2537.506	139.365	0.120000
2547.506	139.361	0.120000
2557.506	139.429	0.120000
2567.506	139.391	0.120000
2577.506	139.418	0.120000
2587.506	139.373	0.120000
2597.506	139.639	0.120000
2607.506	139.922	0.120000
2617.506	139.643	0.120000
2627.506	139.684	0.120000
2637.487	139.652	0.120000
2647.487	139.703	0.120000
2657.468	139.869	0.120000
2667.468	139.960	0.120000
2677.468	140.149	0.120000
2687.461	140.007	0.120000
2697.461	139.977	0.120000
2707.461	140.007	0.120000
2717.435	140.140	0.120000
2727.435	140.180	0.120000
2737.435	140.086	0.120000
2747.435	140.206	0.120000
2757.433	140.286	0.120000
2767.433	140.259	0.120000
2777.393	140.255	0.120000
2787.393	140.364	0.120000
2797.343	140.397	0.120000
2807.343	140.486	0.120000
2817.343	140.458	0.120000
2827.339	140.446	0.120000
2837.339	140.909	0.120000
2847.338	140.765	0.120000
2857.338	140.659	0.120000
2867.338	140.675	0.120000
2877.336	140.780	0.120000
2887.336	140.806	0.120000
2897.334	140.661	0.120000
2907.334	140.739	0.120000
2917.334	140.780	0.120000
2927.263	140.752	0.120000
2937.263	140.765	0.120000
2947.263	140.745	0.120000
2956.509	140.880	0.120000
2956.609	141.428	0.120000

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 Name: RHH81185B  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	142.645	0.120000
0.000	137.858	0.120000
9.786	137.906	0.120000
19.786	137.898	0.120000
29.786	137.838	0.120000
39.786	137.811	0.120000
49.784	137.820	0.120000
59.784	137.761	0.120000
69.784	137.794	0.120000

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Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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79.784	137.824	0.120000
89.784	137.832	0.120000
99.784	137.878	0.120000
109.784	137.734	0.120000
119.784	137.772	0.120000
129.784	137.821	0.120000
139.783	137.769	0.120000
149.783	137.862	0.120000
159.783	137.820	0.120000
169.783	137.853	0.120000
179.783	137.819	0.120000
189.783	137.743	0.120000
199.783	137.781	0.120000
209.783	137.856	0.120000
219.783	137.874	0.120000
229.783	137.739	0.120000
239.783	137.728	0.120000
249.783	137.758	0.120000
259.783	137.703	0.120000
269.783	137.829	0.120000
279.783	137.850	0.120000
289.783	137.813	0.120000
299.783	137.798	0.120000
309.783	137.810	0.120000
319.783	137.778	0.120000
329.783	137.645	0.120000
339.783	137.785	0.120000
349.783	137.686	0.120000
359.783	137.802	0.120000
369.783	137.792	0.120000
379.783	137.805	0.120000
389.783	137.873	0.120000
399.783	137.855	0.120000
409.783	137.851	0.120000
419.783	137.885	0.120000
429.783	137.867	0.120000
439.783	137.892	0.120000
449.783	137.843	0.120000
459.783	137.855	0.120000
469.783	137.872	0.120000
479.782	137.872	0.120000
489.782	137.869	0.120000
499.782	137.832	0.120000
509.782	137.815	0.120000
519.782	137.820	0.120000
529.782	137.844	0.120000
539.782	137.833	0.120000
549.782	137.705	0.120000
559.782	137.773	0.120000
569.782	137.827	0.120000
579.782	137.827	0.120000
589.782	137.864	0.120000
599.782	137.812	0.120000
609.782	137.843	0.120000
619.782	137.796	0.120000
629.782	137.865	0.120000
639.782	137.859	0.120000
649.782	137.835	0.120000
659.782	137.868	0.120000
669.782	137.806	0.120000
679.782	137.802	0.120000
689.782	137.808	0.120000
699.782	137.808	0.120000
709.782	137.819	0.120000
719.782	137.797	0.120000
729.782	137.800	0.120000
739.782	137.815	0.120000
749.782	137.810	0.120000
759.782	137.792	0.120000
769.782	137.856	0.120000
779.782	137.898	0.120000
789.782	137.856	0.120000
799.782	137.801	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

809.782	137.656	0.120000
819.782	137.843	0.120000
829.782	137.860	0.120000
839.782	137.856	0.120000
849.782	137.844	0.120000
859.782	137.712	0.120000
869.782	137.763	0.120000
879.782	137.750	0.120000
889.782	137.758	0.120000
889.882	142.645	0.120000

Name: RHH81185C                                  Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.524	0.120000
0.000	137.666	0.120000
9.869	137.202	0.120000
19.869	136.225	0.120000
29.869	135.685	0.120000
39.869	135.524	0.120000
49.869	136.179	0.120000
59.869	137.273	0.120000
69.869	137.672	0.120000
69.969	140.524	0.120000

Name: RHH81186B                                  Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.202	0.120000
0.000	137.109	0.120000
3.803	137.081	0.120000
13.803	137.091	0.120000
23.803	136.932	0.120000
33.803	136.827	0.120000
43.803	136.824	0.120000
53.803	136.799	0.120000
63.803	136.832	0.120000
73.803	136.748	0.120000
83.803	136.838	0.120000
93.803	136.774	0.120000
103.802	136.701	0.120000
113.802	136.716	0.120000
123.802	136.743	0.120000
133.802	136.698	0.120000
143.802	136.789	0.120000
153.802	136.660	0.120000
163.801	136.678	0.120000
173.801	136.621	0.120000
183.801	136.877	0.120000
193.801	136.619	0.120000
203.801	136.687	0.120000
213.705	136.635	0.120000
223.705	136.656	0.120000
233.645	136.702	0.120000
243.645	136.611	0.120000
253.645	136.560	0.120000
263.645	136.588	0.120000
273.602	136.664	0.120000
283.602	136.513	0.120000
293.602	136.564	0.120000
303.602	136.608	0.120000
313.602	136.690	0.120000
323.602	136.659	0.120000

Dewberry Engineers, Inc.  
 01/23/2023

Proposed Polk City Model (Basins 5-8)  
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333.584	136.576	0.120000
343.584	136.606	0.120000
353.584	136.518	0.120000
363.584	136.648	0.120000
373.584	136.610	0.120000
383.584	136.616	0.120000
393.584	136.555	0.120000
403.584	136.551	0.120000
413.584	136.534	0.120000
423.582	136.736	0.120000
433.582	136.670	0.120000
443.582	136.537	0.120000
453.582	136.592	0.120000
463.582	136.567	0.120000
473.582	136.659	0.120000
483.580	136.620	0.120000
493.580	136.709	0.120000
503.580	136.610	0.120000
513.580	136.837	0.120000
523.580	136.626	0.120000
533.580	136.582	0.120000
543.580	136.567	0.120000
553.580	136.694	0.120000
563.580	136.625	0.120000
573.580	136.539	0.120000
583.580	136.619	0.120000
593.580	136.628	0.120000
603.580	136.661	0.120000
613.580	136.498	0.120000
623.574	136.659	0.120000
633.574	136.665	0.120000
643.574	136.612	0.120000
653.574	136.647	0.120000
663.574	136.627	0.120000
673.574	136.808	0.120000
683.574	136.654	0.120000
693.574	136.582	0.120000
703.574	136.478	0.120000
713.574	136.447	0.120000
723.574	136.598	0.120000
733.574	136.605	0.120000
743.574	136.550	0.120000
753.574	136.474	0.120000
763.574	136.416	0.120000
773.574	136.289	0.120000
783.574	136.405	0.120000
793.574	136.416	0.120000
803.574	136.512	0.120000
813.574	136.402	0.120000
823.567	136.351	0.120000
833.567	136.329	0.120000
843.567	136.359	0.120000
853.567	136.360	0.120000
863.567	136.351	0.120000
873.567	136.495	0.120000
883.567	136.329	0.120000
893.567	136.325	0.120000
903.567	136.577	0.120000
913.567	136.324	0.120000
923.567	136.452	0.120000
933.567	136.377	0.120000
943.567	136.549	0.120000
953.567	136.473	0.120000
963.567	136.555	0.120000
973.567	136.373	0.120000
983.567	136.462	0.120000
993.567	136.416	0.120000
1003.567	136.447	0.120000
1013.567	136.482	0.120000
1023.567	136.508	0.120000
1033.567	136.463	0.120000
1043.567	136.501	0.120000
1053.567	136.369	0.120000

Proposed Polk City Model (Basins 5-8)  
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1063.567	136.426	0.120000
1073.565	136.470	0.120000
1083.565	136.417	0.120000
1093.565	136.489	0.120000
1103.565	136.479	0.120000
1113.565	136.535	0.120000
1123.565	136.557	0.120000
1133.565	136.522	0.120000
1143.565	136.551	0.120000
1153.565	136.549	0.120000
1163.565	136.617	0.120000
1173.565	136.446	0.120000
1183.565	136.555	0.120000
1193.565	136.499	0.120000
1203.565	136.392	0.120000
1213.565	136.345	0.120000
1223.565	136.582	0.120000
1233.565	136.483	0.120000
1243.565	136.498	0.120000
1253.565	136.501	0.120000
1263.564	136.527	0.120000
1273.564	136.557	0.120000
1283.564	136.506	0.120000
1293.564	136.434	0.120000
1303.564	136.542	0.120000
1313.564	136.553	0.120000
1323.564	136.433	0.120000
1333.564	136.487	0.120000
1343.564	136.468	0.120000
1353.564	136.533	0.120000
1363.563	136.555	0.120000
1373.563	136.561	0.120000
1383.563	136.582	0.120000
1393.563	136.591	0.120000
1403.563	136.552	0.120000
1413.563	136.497	0.120000
1423.563	136.540	0.120000
1433.563	136.602	0.120000
1443.563	136.611	0.120000
1453.563	136.437	0.120000
1463.563	136.548	0.120000
1473.563	136.493	0.120000
1483.563	136.483	0.120000
1493.563	136.488	0.120000
1503.563	136.438	0.120000
1513.563	136.501	0.120000
1523.563	136.523	0.120000
1533.563	136.597	0.120000
1543.561	136.457	0.120000
1553.561	136.424	0.120000
1563.561	136.503	0.120000
1573.561	136.484	0.120000
1583.561	136.493	0.120000
1593.561	136.470	0.120000
1603.561	136.432	0.120000
1613.561	136.493	0.120000
1623.561	136.494	0.120000
1633.561	136.464	0.120000
1643.561	136.459	0.120000
1653.561	136.437	0.120000
1663.561	136.543	0.120000
1673.561	136.481	0.120000
1683.561	136.516	0.120000
1693.561	136.534	0.120000
1703.561	136.526	0.120000
1713.561	136.432	0.120000
1723.561	136.602	0.120000
1733.561	136.508	0.120000
1743.561	136.512	0.120000
1753.561	136.460	0.120000
1763.561	136.508	0.120000
1773.561	136.551	0.120000
1783.561	136.492	0.120000



Proposed Polk City Model (Basins 5-8)  
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1793.561	136.494	0.120000
1803.561	136.462	0.120000
1813.561	136.534	0.120000
1823.561	136.462	0.120000
1833.561	136.473	0.120000
1843.561	136.534	0.120000
1853.561	136.405	0.120000
1863.561	136.534	0.120000
1873.561	136.522	0.120000
1883.561	136.551	0.120000
1893.561	136.599	0.120000
1903.561	136.583	0.120000
1913.561	136.490	0.120000
1923.557	136.513	0.120000
1933.557	136.435	0.120000
1943.557	136.486	0.120000
1953.557	136.482	0.120000
1963.557	136.435	0.120000
1973.557	136.417	0.120000
1983.557	136.485	0.120000
1993.557	136.384	0.120000
2003.557	136.372	0.120000
2013.557	136.428	0.120000
2023.556	136.351	0.120000
2033.556	136.358	0.120000
2043.556	136.444	0.120000
2053.556	136.344	0.120000
2063.556	136.687	0.120000
2073.556	136.463	0.120000
2083.556	136.459	0.120000
2093.556	136.415	0.120000
2103.556	136.503	0.120000
2113.556	136.550	0.120000
2123.556	136.516	0.120000
2133.556	136.217	0.120000
2143.556	136.551	0.120000
2153.556	136.442	0.120000
2163.556	136.429	0.120000
2173.556	136.437	0.120000
2183.556	136.418	0.120000
2193.556	136.368	0.120000
2203.556	136.412	0.120000
2213.556	136.428	0.120000
2223.556	136.490	0.120000
2233.556	136.371	0.120000
2243.556	136.393	0.120000
2253.556	136.390	0.120000
2263.556	136.381	0.120000
2273.555	136.299	0.120000
2283.555	136.363	0.120000
2293.555	136.491	0.120000
2303.555	136.462	0.120000
2313.555	136.537	0.120000
2323.555	136.436	0.120000
2333.555	136.478	0.120000
2343.555	136.546	0.120000
2353.555	136.496	0.120000
2363.555	136.459	0.120000
2373.555	136.501	0.120000
2383.555	136.385	0.120000
2393.555	136.516	0.120000
2403.555	136.592	0.120000
2413.555	136.451	0.120000
2423.555	136.395	0.120000
2433.555	136.506	0.120000
2443.555	136.465	0.120000
2453.555	136.504	0.120000
2463.555	136.593	0.120000
2473.555	136.485	0.120000
2483.555	136.469	0.120000
2493.555	136.423	0.120000
2503.555	136.534	0.120000
2513.555	136.521	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
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2523.555	136.447	0.120000
2533.555	136.530	0.120000
2543.555	136.463	0.120000
2553.555	136.436	0.120000
2563.555	136.400	0.120000
2573.555	136.319	0.120000
2583.555	136.482	0.120000
2593.555	136.471	0.120000
2603.555	136.438	0.120000
2613.555	136.447	0.120000
2623.555	136.385	0.120000
2633.555	136.332	0.120000
2643.555	136.463	0.120000
2653.555	136.478	0.120000
2663.555	136.385	0.120000
2673.555	136.440	0.120000
2683.555	136.493	0.120000
2693.555	136.361	0.120000
2703.555	136.293	0.120000
2713.554	136.306	0.120000
2723.554	136.430	0.120000
2733.554	136.391	0.120000
2743.554	136.494	0.120000
2753.554	136.418	0.120000
2763.554	136.456	0.120000
2773.554	136.333	0.120000
2783.554	136.368	0.120000
2793.554	136.434	0.120000
2803.554	136.514	0.120000
2813.554	136.327	0.120000
2823.554	136.337	0.120000
2833.554	136.344	0.120000
2843.554	136.380	0.120000
2853.554	136.289	0.120000
2863.554	136.329	0.120000
2873.554	136.326	0.120000
2883.554	136.315	0.120000
2893.554	136.325	0.120000
2903.554	136.361	0.120000
2913.554	136.324	0.120000
2923.554	136.307	0.120000
2933.554	136.258	0.120000
2943.554	136.330	0.120000
2953.554	136.524	0.120000
2963.554	136.285	0.120000
2973.554	136.294	0.120000
2983.554	136.341	0.120000
2993.554	136.292	0.120000
3003.554	136.202	0.120000
3013.554	136.337	0.120000
3023.554	136.288	0.120000
3033.554	136.308	0.120000
3043.554	136.323	0.120000
3053.554	136.217	0.120000
3063.553	136.305	0.120000
3073.553	136.302	0.120000
3083.553	136.375	0.120000
3093.553	136.362	0.120000
3103.553	136.355	0.120000
3113.553	136.341	0.120000
3123.553	136.227	0.120000
3133.553	136.361	0.120000
3143.553	136.394	0.120000
3153.553	136.523	0.120000
3163.553	136.323	0.120000
3173.553	136.265	0.120000
3183.553	136.354	0.120000
3193.553	136.413	0.120000
3203.553	136.346	0.120000
3213.553	136.283	0.120000
3223.553	136.391	0.120000
3233.553	136.301	0.120000
3243.553	136.451	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
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3253.553	136.340	0.120000
3263.553	136.324	0.120000
3273.553	136.400	0.120000
3283.553	136.331	0.120000
3293.553	136.433	0.120000
3303.553	136.263	0.120000
3313.553	136.457	0.120000
3323.553	136.437	0.120000
3333.553	136.369	0.120000
3343.553	136.309	0.120000
3353.553	136.319	0.120000
3363.553	136.339	0.120000
3363.653	141.202	0.120000

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 Name: RHH81187B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.082	0.120000
0.000	136.429	0.120000
10.000	136.391	0.120000
20.000	136.321	0.120000
30.000	136.433	0.120000
40.000	136.320	0.120000
50.000	136.388	0.120000
60.000	136.380	0.120000
70.000	136.369	0.120000
80.000	136.419	0.120000
90.000	136.399	0.120000
100.000	136.458	0.120000
110.000	136.502	0.120000
120.000	136.381	0.120000
130.000	136.387	0.120000
140.000	136.432	0.120000
150.000	136.350	0.120000
160.000	136.398	0.120000
170.000	136.214	0.120000
180.000	136.353	0.120000
190.000	136.242	0.120000
200.000	136.358	0.120000
210.000	136.237	0.120000
220.000	136.212	0.120000
230.000	136.199	0.120000
240.000	136.238	0.120000
250.000	136.163	0.120000
259.999	136.082	0.120000
269.999	136.242	0.120000
279.999	136.248	0.120000
289.999	136.262	0.120000
299.999	136.265	0.120000
309.999	136.376	0.120000
319.999	136.234	0.120000
329.999	136.336	0.120000
339.999	136.294	0.120000
349.999	136.222	0.120000
359.997	136.420	0.120000
369.997	136.188	0.120000
379.997	136.228	0.120000
389.997	136.229	0.120000
399.997	136.151	0.120000
409.997	136.217	0.120000
419.996	136.305	0.120000
429.996	136.084	0.120000
439.996	136.219	0.120000
449.996	136.271	0.120000
459.996	136.278	0.120000
469.996	136.258	0.120000
479.996	136.258	0.120000
489.995	136.230	0.120000

Proposed Polk City Model (Basins 5-8)  
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499.995	136.203	0.120000
509.995	136.296	0.120000
519.994	136.268	0.120000
529.994	136.235	0.120000
539.994	136.155	0.120000
549.994	136.112	0.120000
559.994	136.093	0.120000
569.994	136.169	0.120000
579.992	136.174	0.120000
589.992	136.407	0.120000
599.992	136.150	0.120000
609.992	136.215	0.120000
619.992	136.316	0.120000
629.992	136.378	0.120000
639.987	136.235	0.120000
649.987	136.341	0.120000
659.987	136.308	0.120000
669.987	136.349	0.120000
679.987	136.324	0.120000
689.987	136.262	0.120000
699.987	136.242	0.120000
709.987	136.318	0.120000
719.987	136.309	0.120000
729.987	136.328	0.120000
739.987	136.255	0.120000
749.987	136.315	0.120000
759.986	136.319	0.120000
769.986	136.320	0.120000
779.986	136.247	0.120000
789.986	136.272	0.120000
799.986	136.285	0.120000
809.986	136.226	0.120000
819.986	136.276	0.120000
829.986	136.254	0.120000
839.986	136.178	0.120000
849.986	136.280	0.120000
859.986	136.289	0.120000
869.986	136.398	0.120000
879.986	136.264	0.120000
889.986	136.412	0.120000
899.986	136.187	0.120000
909.986	136.181	0.120000
919.986	136.358	0.120000
929.986	136.295	0.120000
939.986	136.234	0.120000
949.986	136.280	0.120000
959.986	136.325	0.120000
969.986	136.270	0.120000
979.979	136.241	0.120000
989.979	136.325	0.120000
999.975	136.178	0.120000
1009.975	136.206	0.120000
1019.975	136.223	0.120000
1029.975	136.237	0.120000
1039.975	136.376	0.120000
1049.975	136.333	0.120000
1059.975	136.245	0.120000
1069.975	136.207	0.120000
1079.975	136.277	0.120000
1089.970	136.259	0.120000
1099.970	136.269	0.120000
1109.970	136.289	0.120000
1119.968	136.217	0.120000
1129.968	136.236	0.120000
1139.968	136.234	0.120000
1149.968	136.187	0.120000
1159.968	136.277	0.120000
1169.968	136.328	0.120000
1179.961	136.267	0.120000
1189.961	136.270	0.120000
1199.954	136.188	0.120000
1209.954	136.210	0.120000
1219.954	136.128	0.120000

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1229.954	136.167	0.120000
1239.947	136.246	0.120000
1249.947	136.257	0.120000
1259.947	136.200	0.120000
1269.947	136.221	0.120000
1279.947	136.312	0.120000
1289.947	136.381	0.120000
1299.947	136.280	0.120000
1309.947	136.270	0.120000
1319.947	136.256	0.120000
1329.947	136.249	0.120000
1339.945	136.325	0.120000
1349.945	136.535	0.120000
1359.945	136.391	0.120000
1369.945	136.333	0.120000
1379.945	136.368	0.120000
1389.918	136.312	0.120000
1399.918	136.266	0.120000
1409.918	136.305	0.120000
1419.896	136.298	0.120000
1429.896	136.228	0.120000
1439.896	136.232	0.120000
1449.896	136.205	0.120000
1459.893	136.171	0.120000
1469.893	136.157	0.120000
1479.893	136.135	0.120000
1489.893	136.189	0.120000
1499.893	136.202	0.120000
1509.892	136.403	0.120000
1516.467	136.283	0.120000
1516.567	141.082	0.120000

Name: RHH81187C Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.491	0.120000
0.000	136.283	0.120000
7.339	136.296	0.120000
17.339	135.188	0.120000
27.339	133.911	0.120000
37.339	133.491	0.120000
47.339	133.860	0.120000
57.339	134.836	0.120000
67.339	135.947	0.120000
77.339	136.339	0.120000
77.439	138.491	0.120000

Name: RHH81187D Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.801	0.120000
0.000	136.214	0.120000
10.000	135.723	0.120000
20.000	135.292	0.120000
30.000	134.561	0.120000
40.000	133.801	0.120000
50.000	134.118	0.120000
59.986	135.105	0.120000
69.986	136.367	0.120000
78.246	136.429	0.120000
78.346	138.801	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

Name: RHH81188B  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.192	0.120000
0.000	141.192	0.120000
10.000	140.956	0.120000
20.000	141.027	0.120000
30.000	140.979	0.120000
40.000	140.887	0.120000
50.000	140.860	0.120000
60.000	140.875	0.120000
70.000	140.788	0.120000
80.000	140.804	0.120000
89.999	140.797	0.120000
99.999	140.697	0.120000
109.999	140.715	0.120000
119.999	140.693	0.120000
129.999	140.824	0.120000
139.999	140.779	0.120000
149.999	140.756	0.120000
159.999	140.734	0.120000
169.999	140.667	0.120000
179.999	140.608	0.120000
189.999	140.624	0.120000
199.999	140.551	0.120000
209.999	140.647	0.120000
219.999	140.574	0.120000
229.999	140.449	0.120000
239.999	140.350	0.120000
249.999	140.401	0.120000
259.999	140.311	0.120000
269.999	140.333	0.120000
279.999	140.348	0.120000
289.999	140.370	0.120000
299.999	140.199	0.120000
309.998	140.099	0.120000
319.998	140.008	0.120000
329.998	140.005	0.120000
339.998	139.847	0.120000
349.998	139.920	0.120000
359.998	139.777	0.120000
369.998	139.599	0.120000
379.998	139.661	0.120000
389.998	139.513	0.120000
399.998	139.458	0.120000
409.998	139.334	0.120000
419.998	139.231	0.120000
429.998	139.122	0.120000
439.998	139.072	0.120000
449.998	139.080	0.120000
459.998	138.689	0.120000
469.998	138.772	0.120000
479.998	138.793	0.120000
489.998	138.726	0.120000
499.998	138.619	0.120000
509.998	138.535	0.120000
519.998	138.504	0.120000
529.998	138.338	0.120000
539.997	138.347	0.120000
549.997	138.274	0.120000
559.997	138.207	0.120000
569.997	138.089	0.120000
579.997	137.826	0.120000
589.997	137.816	0.120000
599.997	137.773	0.120000
609.997	137.658	0.120000
619.997	137.729	0.120000
629.997	137.748	0.120000
639.997	137.696	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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649.997	137.657	0.120000
659.997	137.723	0.120000
669.997	137.435	0.120000
679.997	137.491	0.120000
689.997	137.430	0.120000
699.997	137.492	0.120000
709.997	137.474	0.120000
719.997	137.368	0.120000
729.997	137.336	0.120000
739.997	137.286	0.120000
749.997	137.226	0.120000
759.997	137.296	0.120000
769.997	137.454	0.120000
779.997	137.273	0.120000
789.997	137.129	0.120000
799.997	137.102	0.120000
809.997	137.002	0.120000
819.997	136.903	0.120000
829.997	136.882	0.120000
839.997	136.748	0.120000
849.996	136.842	0.120000
859.996	136.892	0.120000
869.996	136.815	0.120000
879.996	136.751	0.120000
889.996	136.771	0.120000
899.996	136.788	0.120000
909.996	136.812	0.120000
919.996	136.798	0.120000
929.996	136.757	0.120000
939.996	136.732	0.120000
949.996	136.676	0.120000
959.996	136.811	0.120000
969.996	136.740	0.120000
979.996	136.596	0.120000
989.994	136.558	0.120000
999.994	136.663	0.120000
1009.994	136.591	0.120000
1019.994	136.491	0.120000
1029.994	136.503	0.120000
1039.994	136.498	0.120000
1049.994	136.411	0.120000
1059.994	136.404	0.120000
1069.994	136.465	0.120000
1079.994	136.322	0.120000
1089.994	136.443	0.120000
1099.994	136.363	0.120000
1109.994	136.448	0.120000
1119.994	136.457	0.120000
1129.994	136.365	0.120000
1139.994	136.370	0.120000
1149.994	136.359	0.120000
1159.994	136.483	0.120000
1169.994	136.436	0.120000
1179.994	136.505	0.120000
1189.994	136.567	0.120000
1199.994	136.492	0.120000
1209.994	136.506	0.120000
1219.994	136.621	0.120000
1229.994	136.556	0.120000
1239.994	136.517	0.120000
1249.994	136.514	0.120000
1259.994	136.495	0.120000
1269.994	136.543	0.120000
1279.994	136.567	0.120000
1289.994	136.580	0.120000
1299.994	136.480	0.120000
1309.994	136.516	0.120000
1319.994	136.484	0.120000
1329.994	136.484	0.120000
1339.994	136.466	0.120000
1349.994	136.491	0.120000
1359.994	136.589	0.120000
1369.994	136.612	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1379.994	136.486	0.120000
1389.994	136.614	0.120000
1399.994	136.484	0.120000
1409.994	136.440	0.120000
1419.994	136.582	0.120000
1429.994	136.373	0.120000
1439.994	136.434	0.120000
1449.994	136.412	0.120000
1459.994	136.664	0.120000
1469.994	136.468	0.120000
1479.994	136.436	0.120000
1489.994	136.426	0.120000
1499.994	136.363	0.120000
1509.994	136.400	0.120000
1519.994	136.348	0.120000
1529.994	136.489	0.120000
1539.994	136.564	0.120000
1549.994	136.514	0.120000
1559.994	136.442	0.120000
1569.994	136.468	0.120000
1579.994	136.443	0.120000
1589.993	136.360	0.120000
1599.993	136.408	0.120000
1609.993	136.402	0.120000
1619.993	136.322	0.120000
1629.993	136.407	0.120000
1639.993	136.430	0.120000
1649.993	136.469	0.120000
1659.993	136.346	0.120000
1669.984	136.387	0.120000
1679.984	136.308	0.120000
1689.984	136.275	0.120000
1699.984	136.304	0.120000
1709.982	136.339	0.120000
1719.982	136.441	0.120000
1729.982	136.432	0.120000
1739.982	136.419	0.120000
1749.982	136.429	0.120000
1759.982	136.351	0.120000
1769.982	136.403	0.120000
1779.982	136.529	0.120000
1789.982	136.429	0.120000
1799.982	136.447	0.120000
1809.982	136.510	0.120000
1819.982	136.604	0.120000
1829.982	136.508	0.120000
1839.982	136.457	0.120000
1849.982	136.313	0.120000
1859.982	136.395	0.120000
1869.982	136.439	0.120000
1879.982	136.618	0.120000
1889.982	136.397	0.120000
1899.982	136.353	0.120000
1909.981	136.443	0.120000
1919.981	136.294	0.120000
1929.981	136.277	0.120000
1939.981	136.360	0.120000
1949.981	136.238	0.120000
1959.975	136.256	0.120000
1969.975	136.359	0.120000
1979.975	136.196	0.120000
1989.975	136.194	0.120000
1999.975	136.229	0.120000
2009.975	136.340	0.120000
2019.975	136.141	0.120000
2029.975	136.307	0.120000
2039.975	136.332	0.120000
2049.975	136.440	0.120000
2059.975	136.352	0.120000
2069.975	136.383	0.120000
2079.975	136.376	0.120000
2089.975	136.258	0.120000
2099.975	136.270	0.120000



Proposed Polk City Model (Basins 5-8)  
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Complete Input Report

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2109.975	136.362	0.120000
2112.184	136.429	0.120000
2112.284	141.192	0.120000

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Name: RHH8118B  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	163.484	0.120000
0.000	134.115	0.120000
2.554	134.115	0.120000
12.554	134.128	0.120000
22.554	134.154	0.120000
32.554	134.183	0.120000
41.896	134.208	0.120000
51.896	134.208	0.120000
61.896	134.205	0.120000
71.821	134.225	0.120000
81.821	134.265	0.120000
91.690	134.370	0.120000
101.690	134.492	0.120000
111.657	134.917	0.120000
121.657	134.861	0.120000
131.657	134.826	0.120000
140.824	135.004	0.120000
150.824	135.446	0.120000
160.824	135.771	0.120000
170.740	135.774	0.120000
180.740	135.259	0.120000
190.740	135.462	0.120000
200.740	135.584	0.120000
210.734	135.740	0.120000
220.734	135.753	0.120000
230.568	135.590	0.120000
240.568	135.603	0.120000
250.568	135.633	0.120000
259.516	135.640	0.120000
269.516	135.640	0.120000
279.476	135.640	0.120000
289.476	135.631	0.120000
299.303	135.610	0.120000
309.303	135.505	0.120000
319.293	135.528	0.120000
1247.052	135.932	0.120000
1257.052	135.897	0.120000
1267.052	135.879	0.120000
1277.052	135.897	0.120000
1287.011	135.953	0.120000
1297.011	135.945	0.120000
1306.953	135.967	0.120000
1316.953	135.956	0.120000
1326.953	135.956	0.120000
1336.951	135.944	0.120000
1346.951	135.954	0.120000
1356.951	135.934	0.120000
1366.711	135.945	0.120000
1376.711	136.018	0.120000
1386.711	136.042	0.120000
1396.666	135.985	0.120000
1406.666	135.964	0.120000
1416.422	135.802	0.120000
1426.422	135.678	0.120000
1436.422	135.893	0.120000
1446.337	135.864	0.120000
1456.305	135.945	0.120000
1466.305	135.822	0.120000
1476.305	135.701	0.120000
1486.126	135.437	0.120000
1496.126	134.901	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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1506.124	134.838	0.120000
1516.124	134.966	0.120000
1526.124	135.034	0.120000
1535.907	135.278	0.120000
1545.572	134.957	0.120000
1555.572	134.753	0.120000
1565.572	134.512	0.120000
1575.572	134.364	0.120000
1585.560	134.336	0.120000
1595.560	134.555	0.120000
1605.560	134.362	0.120000
1615.528	134.360	0.120000
1625.528	134.423	0.120000
1635.528	134.578	0.120000
1645.254	134.430	0.120000
1655.254	134.155	0.120000
1665.254	133.819	0.120000
1674.934	133.811	0.120000
1684.934	134.162	0.120000
1694.774	134.028	0.120000
1704.774	133.589	0.120000
1714.774	133.497	0.120000
1724.774	133.423	0.120000
1734.565	133.324	0.120000
1744.565	133.404	0.120000
1754.565	133.290	0.120000
1764.565	133.342	0.120000
1774.526	133.404	0.120000
1784.526	133.376	0.120000
1794.526	133.264	0.120000
1804.526	133.197	0.120000
1814.518	133.221	0.120000
1824.518	133.239	0.120000
1834.518	133.140	0.120000
1844.518	133.116	0.120000
1854.518	133.084	0.120000
1864.504	133.141	0.120000
1874.504	133.041	0.120000
1884.504	132.925	0.120000
1894.504	132.970	0.120000
1904.504	132.936	0.120000
1914.504	132.961	0.120000
1924.504	132.932	0.120000
1934.504	132.915	0.120000
1944.504	132.901	0.120000
1954.500	132.912	0.120000
1964.500	132.874	0.120000
1974.500	132.871	0.120000
1984.500	132.863	0.120000
1994.500	132.907	0.120000
2004.500	132.785	0.120000
2014.500	132.828	0.120000
2024.500	132.833	0.120000
2034.494	132.892	0.120000
2044.494	132.888	0.120000
2054.494	132.829	0.120000
2064.494	132.880	0.120000
2074.494	132.866	0.120000
2084.494	133.018	0.120000
2094.494	133.060	0.120000
2104.494	133.071	0.120000
2114.494	133.002	0.120000
2124.494	132.953	0.120000
2134.494	132.992	0.120000
2144.494	132.855	0.120000
2154.494	132.859	0.120000
2164.494	132.827	0.120000
2174.494	132.958	0.120000
2184.494	133.105	0.120000
2194.494	133.106	0.120000
2204.494	133.075	0.120000
2214.494	132.872	0.120000
2224.494	132.849	0.120000

Proposed Polk City Model (Basins 5-8)  
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2234.494	132.897	0.120000
2244.493	132.842	0.120000
2254.493	132.903	0.120000
2264.493	133.051	0.120000
2274.493	133.101	0.120000
2284.493	133.078	0.120000
2294.493	133.166	0.120000
2304.493	133.074	0.120000
2314.493	133.071	0.120000
2324.493	133.120	0.120000
2334.491	133.202	0.120000
2344.491	133.139	0.120000
2354.491	133.175	0.120000
2364.491	133.166	0.120000
2374.491	133.239	0.120000
2384.491	133.229	0.120000
2394.491	133.298	0.120000
2404.491	133.364	0.120000
2414.162	133.303	0.120000
2424.162	133.374	0.120000
2434.162	133.422	0.120000
2444.162	133.427	0.120000
2453.986	133.425	0.120000
2463.986	133.450	0.120000
2473.986	133.478	0.120000
2483.986	133.516	0.120000
2493.986	133.663	0.120000
2503.986	133.737	0.120000
2513.986	133.832	0.120000
2523.986	133.981	0.120000
2533.984	134.253	0.120000
2543.984	134.452	0.120000
2553.984	134.685	0.120000
2563.984	134.606	0.120000
2573.984	134.503	0.120000
2583.984	134.664	0.120000
2593.984	134.789	0.120000
2603.642	134.854	0.120000
2613.642	134.874	0.120000
2623.642	134.893	0.120000
2633.642	134.915	0.120000
2643.642	134.912	0.120000
2653.642	134.900	0.120000
2663.550	134.878	0.120000
2673.550	134.808	0.120000
2683.550	134.590	0.120000
2693.550	134.944	0.120000
2702.483	134.973	0.120000
2712.483	134.747	0.120000
2722.483	134.908	0.120000
2732.197	134.939	0.120000
2742.197	134.950	0.120000
2752.197	134.914	0.120000
2760.865	134.820	0.120000
2770.865	134.902	0.120000
2780.865	134.810	0.120000
2790.865	134.880	0.120000
2800.800	134.889	0.120000
2810.800	134.861	0.120000
2820.800	134.897	0.120000
2830.749	134.993	0.120000
2840.749	135.377	0.120000
2850.749	135.440	0.120000
2860.749	135.442	0.120000
2870.749	135.785	0.120000
2880.749	135.656	0.120000
2890.461	135.711	0.120000
2900.461	135.797	0.120000
2910.461	135.757	0.120000
2920.292	135.749	0.120000
2930.292	135.575	0.120000
2940.292	135.248	0.120000
2950.204	135.447	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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2960.204	135.436	0.120000
2969.813	135.299	0.120000
2979.813	135.574	0.120000
2989.813	135.472	0.120000
2999.813	135.656	0.120000
3009.755	135.719	0.120000
3019.755	135.719	0.120000
3029.755	135.637	0.120000
3039.755	135.456	0.120000
3049.755	135.426	0.120000
3059.755	135.428	0.120000
3069.530	135.440	0.120000
3079.530	135.461	0.120000
3089.530	135.482	0.120000
3099.530	135.493	0.120000
3109.530	135.524	0.120000
3119.530	135.550	0.120000
3128.986	135.554	0.120000
3138.986	135.653	0.120000
3148.986	135.825	0.120000
3156.631	135.787	0.120000
3166.631	135.634	0.120000
3176.631	135.613	0.120000
3186.631	135.574	0.120000
3196.631	135.539	0.120000
3206.600	135.520	0.120000
3216.600	135.477	0.120000
3226.600	135.466	0.120000
3236.600	135.465	0.120000
3246.600	135.460	0.120000
3256.600	135.446	0.120000
3266.600	135.431	0.120000
3276.600	135.452	0.120000
3286.600	135.454	0.120000
3296.586	135.406	0.120000
3306.586	135.551	0.120000
3315.625	135.409	0.120000
3325.625	135.407	0.120000
3335.457	135.251	0.120000
3345.457	134.725	0.120000
3355.457	134.776	0.120000
3365.457	134.796	0.120000
3375.457	134.742	0.120000
3384.917	134.753	0.120000
3394.917	134.742	0.120000
3404.917	134.747	0.120000
3414.917	134.755	0.120000
3424.917	134.732	0.120000
3434.906	134.765	0.120000
3444.906	134.782	0.120000
3454.906	134.791	0.120000
3464.906	134.869	0.120000
3474.906	134.774	0.120000
3484.906	134.803	0.120000
3494.906	134.815	0.120000
3504.906	134.825	0.120000
3514.906	134.795	0.120000
3524.906	134.608	0.120000
3534.906	134.704	0.120000
3544.906	134.786	0.120000
3554.905	134.827	0.120000
3564.905	134.914	0.120000
3574.905	134.720	0.120000
3584.905	134.633	0.120000
3594.905	134.636	0.120000
3604.905	134.573	0.120000
3614.905	134.771	0.120000
3624.905	134.837	0.120000
3634.905	134.765	0.120000
3644.905	134.801	0.120000
3654.905	135.054	0.120000
3664.905	134.995	0.120000
3674.905	135.034	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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3684.905	135.116	0.120000
3694.905	135.019	0.120000
3704.904	135.078	0.120000
3714.904	134.999	0.120000
3724.904	134.700	0.120000
3734.904	134.633	0.120000
3744.882	134.490	0.120000
3754.882	134.421	0.120000
3764.882	134.359	0.120000
3774.882	134.357	0.120000
3784.882	134.221	0.120000
3794.880	134.094	0.120000
3804.880	134.008	0.120000
3814.880	133.886	0.120000
3824.880	133.766	0.120000
3834.640	133.710	0.120000
3844.640	133.607	0.120000
3854.640	133.655	0.120000
3864.640	133.603	0.120000
3874.640	133.650	0.120000
3884.629	133.533	0.120000
3894.629	133.564	0.120000
3904.629	133.650	0.120000
3914.629	133.466	0.120000
3924.629	133.445	0.120000
3934.629	133.400	0.120000
3944.620	133.369	0.120000
3954.620	133.271	0.120000
3964.620	133.253	0.120000
3974.620	133.257	0.120000
3984.618	133.176	0.120000
3994.618	133.242	0.120000
4004.618	133.233	0.120000
4014.618	133.179	0.120000
4024.618	133.125	0.120000
4034.618	133.107	0.120000
4044.618	133.051	0.120000
4054.618	133.021	0.120000
4064.618	133.075	0.120000
4074.550	133.165	0.120000
4084.550	133.073	0.120000
4094.550	132.932	0.120000
4104.550	132.911	0.120000
4114.550	132.829	0.120000
4124.550	132.824	0.120000
4134.550	132.843	0.120000
4144.550	132.807	0.120000
4154.549	132.716	0.120000
4164.549	132.704	0.120000
4174.549	132.733	0.120000
4184.549	132.750	0.120000
4194.549	132.786	0.120000
4204.549	132.582	0.120000
4214.549	132.672	0.120000
4224.549	132.638	0.120000
4234.504	132.712	0.120000
4244.504	132.682	0.120000
4254.504	132.671	0.120000
4264.504	132.734	0.120000
4274.504	132.727	0.120000
4284.504	132.628	0.120000
4294.504	132.704	0.120000
4304.503	132.710	0.120000
4314.503	132.768	0.120000
4324.503	132.833	0.120000
4334.503	132.862	0.120000
4344.503	132.842	0.120000
4354.503	132.794	0.120000
4364.459	132.819	0.120000
4374.459	132.876	0.120000
4384.459	132.827	0.120000
4394.459	132.789	0.120000
4404.459	132.822	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4414.459	132.818	0.120000
4424.459	132.786	0.120000
4434.459	132.773	0.120000
4444.450	132.776	0.120000
4454.450	132.682	0.120000
4464.450	132.801	0.120000
4474.450	132.739	0.120000
4484.450	132.679	0.120000
4494.450	132.622	0.120000
4504.450	132.573	0.120000
4514.450	132.611	0.120000
4524.450	132.566	0.120000
4534.446	132.684	0.120000
4544.446	132.700	0.120000
4554.446	132.716	0.120000
4564.446	132.722	0.120000
4574.446	132.718	0.120000
4584.446	132.677	0.120000
4594.446	132.640	0.120000
4604.116	132.658	0.120000
4614.116	132.759	0.120000
4624.116	132.730	0.120000
4633.759	132.722	0.120000
4643.759	132.724	0.120000
4653.759	132.721	0.120000
4663.709	132.737	0.120000
4673.709	132.838	0.120000
4683.709	132.849	0.120000
4693.709	132.892	0.120000
4703.709	132.739	0.120000
4713.691	132.803	0.120000
4723.691	132.890	0.120000
4733.691	132.910	0.120000
4743.691	132.887	0.120000
4753.691	132.926	0.120000
4763.681	132.898	0.120000
4773.681	132.895	0.120000
4783.681	132.883	0.120000
4793.681	132.858	0.120000
4803.678	132.862	0.120000
4813.678	132.856	0.120000
4823.678	132.821	0.120000
4833.678	132.832	0.120000
4843.678	132.818	0.120000
4853.675	132.781	0.120000
4863.675	132.738	0.120000
4873.675	132.756	0.120000
4883.675	132.867	0.120000
4893.675	132.922	0.120000
4903.675	133.040	0.120000
4913.675	133.069	0.120000
4923.675	133.035	0.120000
4933.675	132.940	0.120000
4943.675	132.741	0.120000
4953.672	132.706	0.120000
4963.672	132.709	0.120000
4973.672	132.621	0.120000
4983.672	132.659	0.120000
4993.667	132.682	0.120000
5003.667	132.705	0.120000
5013.667	132.577	0.120000
5023.667	132.635	0.120000
5033.664	132.496	0.120000
5043.664	132.604	0.120000
5053.664	132.617	0.120000
5063.664	132.576	0.120000
5073.664	132.542	0.120000
5083.664	132.755	0.120000
5093.664	132.777	0.120000
5103.664	132.750	0.120000
5113.664	132.724	0.120000
5123.643	132.740	0.120000
5133.643	132.893	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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5143.643	132.774	0.120000
5153.250	132.847	0.120000
5163.250	132.773	0.120000
5172.490	132.816	0.120000
5182.490	132.873	0.120000
5192.490	132.891	0.120000
5202.490	132.905	0.120000
5212.443	132.941	0.120000
5222.443	132.910	0.120000
5232.443	132.881	0.120000
5242.437	132.991	0.120000
5252.437	133.073	0.120000
5262.437	133.164	0.120000
5272.436	133.169	0.120000
5282.436	133.278	0.120000
5292.436	133.288	0.120000
5302.436	133.551	0.120000
5312.365	133.420	0.120000
5322.365	133.346	0.120000
5332.365	133.463	0.120000
5342.365	133.517	0.120000
5352.365	133.504	0.120000
5362.364	133.487	0.120000
5372.364	133.645	0.120000
5382.364	133.741	0.120000
5392.364	133.722	0.120000
5402.364	133.788	0.120000
5412.364	133.849	0.120000
5422.364	134.005	0.120000
5432.350	134.053	0.120000
5442.350	134.048	0.120000
5452.350	134.019	0.120000
5462.311	134.168	0.120000
5472.311	134.201	0.120000
5482.311	134.400	0.120000
5492.311	134.373	0.120000
5502.311	134.393	0.120000
5512.272	134.520	0.120000
5522.272	134.585	0.120000
5532.268	134.632	0.120000
5542.268	134.778	0.120000
5552.268	134.917	0.120000
5562.268	135.032	0.120000
5572.245	135.223	0.120000
5582.245	135.322	0.120000
5592.245	135.484	0.120000
5602.207	135.633	0.120000
5612.207	135.745	0.120000
5622.207	135.827	0.120000
5632.207	135.939	0.120000
5642.207	136.083	0.120000
5652.148	136.187	0.120000
5662.148	136.384	0.120000
5672.148	136.618	0.120000
5682.148	136.643	0.120000
5692.148	136.718	0.120000

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 Name: RHH8118C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.148	0.120000
0.000	136.378	0.120000
10.000	136.356	0.120000
20.000	136.266	0.120000
30.000	136.225	0.120000
40.000	136.318	0.120000
50.000	136.266	0.120000
60.000	136.277	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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70.000	136.280	0.120000
80.000	136.242	0.120000
90.000	136.399	0.120000
100.000	136.250	0.120000
110.000	136.271	0.120000
120.000	136.168	0.120000
129.999	136.331	0.120000
139.999	136.167	0.120000
149.999	136.177	0.120000
159.999	136.237	0.120000
169.999	136.284	0.120000
179.999	136.259	0.120000
189.999	136.228	0.120000
199.999	136.333	0.120000
209.999	136.359	0.120000
219.999	136.338	0.120000
229.999	136.357	0.120000
239.999	136.273	0.120000
249.999	136.381	0.120000
259.999	136.438	0.120000
269.999	136.477	0.120000
279.999	136.282	0.120000
289.999	136.463	0.120000
299.999	136.373	0.120000
309.999	136.469	0.120000
319.999	136.461	0.120000
329.999	136.275	0.120000
339.999	136.148	0.120000
349.999	136.318	0.120000
359.999	136.421	0.120000
369.999	136.483	0.120000
379.999	136.438	0.120000
389.999	136.458	0.120000
399.999	136.381	0.120000
409.999	136.396	0.120000
419.999	136.516	0.120000
429.999	136.431	0.120000
439.999	136.380	0.120000
449.998	136.506	0.120000
459.998	136.311	0.120000
469.998	136.251	0.120000
479.998	136.447	0.120000
489.998	136.352	0.120000
499.998	136.418	0.120000
509.998	136.398	0.120000
519.998	136.562	0.120000
529.998	136.405	0.120000
539.998	136.404	0.120000
549.998	136.325	0.120000
559.998	136.284	0.120000
569.998	136.287	0.120000
579.998	136.407	0.120000
589.998	136.268	0.120000
599.998	136.260	0.120000
609.998	136.389	0.120000
619.998	136.163	0.120000
629.998	136.281	0.120000
639.998	136.242	0.120000
649.998	136.251	0.120000
659.998	136.342	0.120000
669.996	136.297	0.120000
679.996	136.394	0.120000
689.996	136.304	0.120000
699.996	136.259	0.120000
709.996	136.360	0.120000
719.996	136.361	0.120000
729.996	136.265	0.120000
739.996	136.304	0.120000
749.996	136.324	0.120000
759.996	136.365	0.120000
769.996	136.329	0.120000
779.996	136.316	0.120000
789.996	136.251	0.120000









Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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154.428	142.512	0.120000
164.428	142.008	0.120000
174.428	141.729	0.120000
184.428	141.319	0.120000
194.428	140.872	0.120000
204.348	140.367	0.120000
214.348	139.898	0.120000
224.348	139.565	0.120000
234.348	139.299	0.120000
244.348	138.668	0.120000
254.208	138.281	0.120000
264.208	137.829	0.120000
274.208	137.434	0.120000
284.208	136.845	0.120000
294.208	136.456	0.120000
304.083	136.272	0.120000
314.083	136.183	0.120000
324.083	136.066	0.120000
333.934	136.034	0.120000
343.934	136.050	0.120000
353.533	136.488	0.120000
363.533	135.752	0.120000
373.494	135.875	0.120000
383.494	136.015	0.120000
393.494	136.192	0.120000
403.494	136.415	0.120000
413.034	136.376	0.120000
423.034	136.443	0.120000
433.034	136.438	0.120000
443.034	136.749	0.120000
452.786	136.629	0.120000
462.786	136.724	0.120000
472.786	136.812	0.120000
482.786	137.250	0.120000
492.684	137.343	0.120000
502.684	137.520	0.120000
512.684	137.683	0.120000
522.684	137.600	0.120000
532.666	137.803	0.120000
542.666	137.752	0.120000
552.666	137.559	0.120000
562.666	137.938	0.120000
572.666	138.225	0.120000
582.665	138.181	0.120000
592.665	138.347	0.120000
602.665	138.480	0.120000
612.659	138.474	0.120000
622.659	138.606	0.120000
632.659	138.951	0.120000
642.659	139.092	0.120000
652.659	139.125	0.120000
662.626	139.320	0.120000
672.626	139.390	0.120000
682.626	139.497	0.120000
692.626	139.455	0.120000
702.626	139.554	0.120000
712.626	139.695	0.120000
722.626	139.716	0.120000
732.623	139.879	0.120000
742.618	139.969	0.120000
752.618	140.275	0.120000
762.618	140.413	0.120000
772.618	140.273	0.120000
782.457	140.501	0.120000
792.457	140.537	0.120000
802.457	140.571	0.120000
812.457	140.725	0.120000
822.457	140.669	0.120000
822.557	147.674	0.120000

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Name: RHH8120C  
 Encroachment: No

Group: BASE

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Dewberry Engineers, Inc.  
 01/23/2023

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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Station(ft)	Elevation(ft)	Manning's N
-0.100	143.390	0.120000
0.000	142.096	0.120000
5.168	142.081	0.120000
15.126	142.200	0.120000
25.126	142.259	0.120000
35.109	142.358	0.120000
45.109	142.388	0.120000
55.109	142.437	0.120000
65.109	142.525	0.120000
75.094	142.554	0.120000
85.094	142.632	0.120000
95.094	142.649	0.120000
105.094	142.811	0.120000
115.092	142.881	0.120000
125.092	143.064	0.120000
135.092	143.051	0.120000
145.092	143.158	0.120000
155.092	143.202	0.120000
164.991	143.352	0.120000
174.991	143.364	0.120000
184.991	143.283	0.120000
194.991	143.180	0.120000
204.991	143.390	0.120000
214.681	143.190	0.120000
224.681	142.807	0.120000
234.681	142.635	0.120000
244.681	142.409	0.120000
253.943	142.400	0.120000
263.943	142.358	0.120000
273.943	142.238	0.120000
283.943	142.434	0.120000
293.898	142.615	0.120000
303.898	142.236	0.120000
313.898	142.387	0.120000
323.898	142.670	0.120000
333.898	142.209	0.120000
343.881	142.583	0.120000
353.881	141.723	0.120000
363.881	141.758	0.120000
373.867	141.510	0.120000
383.867	141.438	0.120000
393.867	141.536	0.120000
403.867	141.188	0.120000
413.867	141.133	0.120000
423.867	141.029	0.120000
433.867	140.818	0.120000
443.866	140.771	0.120000
453.866	140.866	0.120000
463.866	140.494	0.120000
473.866	140.522	0.120000
483.864	140.608	0.120000
493.864	140.629	0.120000
503.864	140.618	0.120000
513.864	140.498	0.120000
523.864	140.598	0.120000
533.858	140.403	0.120000
543.858	140.238	0.120000
553.858	140.166	0.120000
563.858	140.197	0.120000
573.858	139.959	0.120000
583.858	139.852	0.120000
593.858	139.823	0.120000
603.858	139.615	0.120000
613.831	139.595	0.120000
623.831	139.420	0.120000
633.831	139.129	0.120000
643.831	138.993	0.120000
653.831	138.780	0.120000

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Dewberry Engineers, Inc.  
 01/23/2023

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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663.831	138.617	0.120000
673.831	138.483	0.120000
683.831	138.256	0.120000
693.831	138.171	0.120000
703.831	138.164	0.120000
713.724	138.087	0.120000
723.724	137.419	0.120000
733.724	137.031	0.120000
743.724	136.696	0.120000
753.724	136.725	0.120000
763.724	136.308	0.120000
773.176	136.322	0.120000
783.176	136.370	0.120000
793.176	136.363	0.120000
803.176	136.439	0.120000
813.176	136.602	0.120000
823.176	136.692	0.120000
833.162	136.860	0.120000
843.162	137.417	0.120000
853.162	137.186	0.120000
863.162	137.263	0.120000
873.145	136.935	0.120000
883.145	136.992	0.120000
893.145	136.639	0.120000
903.145	136.919	0.120000
913.145	136.151	0.120000
923.133	135.766	0.120000
933.133	136.561	0.120000
943.133	136.239	0.120000
953.133	136.319	0.120000
963.133	136.290	0.120000
973.133	136.281	0.120000
983.133	136.305	0.120000
993.128	136.471	0.120000
1003.128	136.376	0.120000
1013.128	136.535	0.120000
1023.128	136.518	0.120000
1033.128	136.599	0.120000
1043.128	136.512	0.120000
1053.128	136.503	0.120000
1063.128	136.288	0.120000
1073.128	136.128	0.120000
1083.128	136.427	0.120000
1093.128	136.704	0.120000
1103.128	136.396	0.120000
1113.128	136.350	0.120000
1123.128	136.347	0.120000
1133.128	136.412	0.120000
1143.128	136.391	0.120000
1153.126	136.582	0.120000
1163.126	136.785	0.120000
1173.126	136.394	0.120000
1183.126	136.218	0.120000
1193.126	136.169	0.120000
1203.126	136.462	0.120000
1213.126	136.415	0.120000
1223.126	136.300	0.120000
1233.126	136.690	0.120000
1243.126	136.173	0.120000
1253.126	136.461	0.120000
1263.126	136.172	0.120000
1273.116	135.901	0.120000
1283.116	135.769	0.120000
1293.116	136.048	0.120000
1303.116	136.356	0.120000
1313.116	136.322	0.120000
1323.116	136.155	0.120000
1333.116	136.075	0.120000
1343.115	136.554	0.120000
1353.115	136.213	0.120000
1363.115	136.516	0.120000
1373.115	136.699	0.120000
1383.115	136.589	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

1393.083	136.688	0.120000
1403.083	136.777	0.120000
1413.083	137.084	0.120000
1423.083	137.219	0.120000
1433.083	137.288	0.120000
1441.235	137.108	0.120000
1451.235	137.287	0.120000
1461.235	137.541	0.120000
1471.235	137.591	0.120000
1481.235	137.720	0.120000
1491.235	138.005	0.120000
1500.851	138.411	0.120000
1510.851	138.598	0.120000
1520.851	138.710	0.120000
1520.951	143.390	0.120000

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 Name: RHH8130 Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.067	0.120000
0.000	135.482	0.120000
7.998	135.566	0.120000
17.998	135.575	0.120000
27.989	135.512	0.120000
37.989	135.461	0.120000
47.963	135.457	0.120000
57.963	135.637	0.120000
67.963	135.578	0.120000
77.961	135.496	0.120000
87.961	135.342	0.120000
97.961	135.348	0.120000
107.961	135.552	0.120000
117.935	135.513	0.120000
127.935	135.587	0.120000
137.933	135.559	0.120000
147.933	135.524	0.120000
157.933	135.551	0.120000
167.933	135.508	0.120000
177.926	135.400	0.120000
187.926	135.617	0.120000
197.926	135.761	0.120000
207.920	135.683	0.120000
217.920	135.595	0.120000
227.920	135.628	0.120000
237.919	135.553	0.120000
247.919	135.614	0.120000
257.887	135.661	0.120000
267.887	135.723	0.120000
277.792	135.590	0.120000
287.792	135.648	0.120000
297.792	135.575	0.120000
307.792	135.771	0.120000
317.792	135.584	0.120000
327.792	135.419	0.120000
337.781	135.556	0.120000
347.781	135.569	0.120000
357.780	135.577	0.120000
367.780	135.520	0.120000
377.780	135.675	0.120000
387.780	135.373	0.120000
397.780	135.775	0.120000
407.773	135.352	0.120000
417.773	135.402	0.120000
427.769	135.436	0.120000
437.769	135.609	0.120000
447.769	135.150	0.120000
457.769	135.353	0.120000
467.769	135.116	0.120000





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179.426	135.519	0.120000
187.768	135.488	0.120000
197.416	135.490	0.120000
207.416	135.608	0.120000
217.414	135.524	0.120000
227.399	135.527	0.120000
236.777	135.588	0.120000
246.451	135.683	0.120000
255.954	135.560	0.120000
265.938	135.635	0.120000
275.924	135.560	0.120000
285.924	135.436	0.120000
295.924	135.544	0.120000
305.903	135.678	0.120000
315.895	135.698	0.120000
325.812	135.701	0.120000
335.806	135.718	0.120000
345.614	135.721	0.120000
355.494	135.755	0.120000
365.490	135.759	0.120000
375.490	135.742	0.120000
385.463	135.846	0.120000
395.428	135.742	0.120000
405.428	135.913	0.120000
415.366	136.024	0.120000
425.076	136.085	0.120000
434.697	136.160	0.120000
444.458	136.227	0.120000
454.391	136.111	0.120000
464.386	136.289	0.120000
474.386	136.448	0.120000
484.325	136.759	0.120000
494.325	137.081	0.120000
504.325	137.215	0.120000
504.425	139.438	0.120000

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 Name: RHH8145A  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	140.414	0.120000
0.000	139.952	0.120000
4.506	139.930	0.120000
14.506	139.394	0.120000
24.405	139.284	0.120000
34.405	139.130	0.120000
44.405	138.954	0.120000
54.405	138.612	0.120000
64.405	138.150	0.120000
74.405	137.982	0.120000
84.405	137.611	0.120000
94.357	137.276	0.120000
104.357	136.881	0.120000
114.357	136.632	0.120000
124.245	136.386	0.120000
134.114	136.248	0.120000
144.114	135.948	0.120000
154.114	135.873	0.120000
163.984	136.083	0.120000
173.984	136.061	0.120000
183.984	136.026	0.120000
193.983	135.986	0.120000
203.983	135.950	0.120000
213.983	135.877	0.120000
223.844	135.577	0.120000
233.844	135.583	0.120000
243.844	135.668	0.120000
253.844	135.677	0.120000
263.833	135.572	0.120000



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564.620	134.245	0.120000
574.620	134.316	0.120000
584.620	134.438	0.120000
593.901	134.623	0.120000
603.822	134.703	0.120000
613.822	134.766	0.120000
623.822	135.020	0.120000
633.822	135.199	0.120000
643.721	135.318	0.120000
653.721	135.471	0.120000
662.810	135.488	0.120000
672.810	135.570	0.120000
682.810	135.756	0.120000
691.741	136.061	0.120000
701.710	136.354	0.120000
711.710	136.710	0.120000
711.810	138.503	0.120000

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Name: RHH8145C  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.590	0.120000
0.000	136.736	0.120000
6.257	136.795	0.120000
16.257	136.625	0.120000
26.257	136.590	0.120000
36.257	136.787	0.120000
46.257	136.783	0.120000
56.257	136.795	0.120000
66.257	136.661	0.120000
76.257	136.758	0.120000
86.257	136.839	0.120000
96.257	136.803	0.120000
106.257	136.770	0.120000
116.257	136.790	0.120000
126.257	136.847	0.120000
136.257	136.903	0.120000
146.257	136.933	0.120000
156.257	136.961	0.120000
166.257	136.951	0.120000
176.257	137.028	0.120000
186.257	137.106	0.120000
196.257	137.115	0.120000
206.257	137.090	0.120000
216.257	137.204	0.120000
226.257	137.096	0.120000
236.257	137.161	0.120000
246.257	137.190	0.120000
256.257	137.119	0.120000
266.257	137.166	0.120000
276.257	137.224	0.120000
286.257	137.122	0.120000
296.257	137.213	0.120000
306.257	137.185	0.120000
316.257	137.234	0.120000
326.257	137.257	0.120000
336.257	137.368	0.120000
346.257	137.358	0.120000
356.257	137.343	0.120000
366.257	137.425	0.120000
376.257	137.498	0.120000
386.257	137.493	0.120000
396.257	137.477	0.120000
406.257	137.505	0.120000
416.257	137.576	0.120000
426.257	137.450	0.120000
436.257	137.541	0.120000
446.257	137.635	0.120000

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456.257	137.743	0.120000
466.257	137.719	0.120000
476.257	137.687	0.120000
486.257	137.786	0.120000
496.257	137.886	0.120000
506.257	137.878	0.120000
516.257	137.911	0.120000
526.257	137.956	0.120000
536.257	138.019	0.120000
546.257	138.136	0.120000
556.257	138.300	0.120000
566.257	138.198	0.120000
576.257	138.339	0.120000
586.257	138.357	0.120000
596.257	138.332	0.120000
606.257	138.566	0.120000
606.357	141.590	0.120000

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Name: RHH8150A  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	152.406	0.120000
0.000	147.674	0.120000
3.512	147.674	0.120000
13.512	147.760	0.120000
23.512	147.812	0.120000
33.512	147.843	0.120000
43.512	148.090	0.120000
53.512	148.172	0.120000
63.512	148.364	0.120000
73.512	148.534	0.120000
83.512	148.609	0.120000
93.512	148.762	0.120000
103.512	148.707	0.120000
113.512	148.694	0.120000
123.512	148.675	0.120000
133.512	148.861	0.120000
143.511	148.683	0.120000
153.511	148.629	0.120000
163.511	148.704	0.120000
173.511	148.727	0.120000
183.511	148.792	0.120000
193.511	148.922	0.120000
203.511	148.844	0.120000
213.511	148.815	0.120000
223.511	148.966	0.120000
233.511	149.330	0.120000
243.511	149.111	0.120000
253.511	149.104	0.120000
263.511	149.207	0.120000
273.511	149.176	0.120000
283.511	148.739	0.120000
293.511	148.712	0.120000
303.511	148.644	0.120000
313.511	148.603	0.120000
323.511	148.551	0.120000
333.511	148.617	0.120000
343.511	148.611	0.120000
353.511	148.431	0.120000
363.511	148.221	0.120000
373.511	148.197	0.120000
383.511	148.159	0.120000
393.511	148.108	0.120000
403.511	147.854	0.120000
413.511	147.890	0.120000
423.511	147.747	0.120000
433.511	147.666	0.120000
443.511	147.624	0.120000

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47.724	134.313	0.120000
57.724	133.359	0.120000
67.724	132.804	0.120000
77.724	132.163	0.120000
87.702	131.987	0.120000
97.702	132.070	0.120000
107.307	132.356	0.120000
117.307	132.147	0.120000
127.195	132.530	0.120000
137.195	132.332	0.120000
147.195	132.243	0.120000
157.195	132.148	0.120000
167.182	132.146	0.120000
177.182	132.190	0.120000
187.182	132.281	0.120000
197.182	132.235	0.120000
207.182	132.116	0.120000
217.182	132.217	0.120000
227.175	132.169	0.120000
237.175	131.700	0.120000
247.175	131.499	0.120000
257.175	131.591	0.120000
267.173	131.809	0.120000
277.173	132.571	0.120000
287.173	132.390	0.120000
297.173	132.554	0.120000
307.160	132.520	0.120000
317.160	132.471	0.120000
327.160	132.547	0.120000
337.160	132.606	0.120000
347.160	132.689	0.120000
357.160	132.676	0.120000
367.160	132.654	0.120000
377.160	132.777	0.120000
387.160	132.894	0.120000
397.160	132.918	0.120000
407.108	133.112	0.120000
417.108	133.203	0.120000
427.108	133.024	0.120000
437.107	133.127	0.120000
447.107	133.240	0.120000
457.104	133.460	0.120000
467.104	133.481	0.120000
477.104	133.628	0.120000
487.104	133.449	0.120000
497.104	133.616	0.120000
507.104	133.645	0.120000
517.076	133.608	0.120000
527.076	133.575	0.120000
537.076	133.670	0.120000
547.031	133.604	0.120000
557.031	133.684	0.120000
567.031	133.644	0.120000
577.031	133.670	0.120000
587.030	133.664	0.120000
597.030	133.685	0.120000
607.030	133.606	0.120000
617.030	133.660	0.120000
627.030	133.533	0.120000
637.030	133.592	0.120000
647.030	133.488	0.120000
657.030	133.429	0.120000
667.030	133.271	0.120000
677.030	133.261	0.120000
686.988	133.330	0.120000
696.988	133.283	0.120000
706.568	133.353	0.120000
716.439	133.205	0.120000
726.438	133.356	0.120000
736.424	133.357	0.120000
746.424	133.340	0.120000
756.396	133.480	0.120000
766.396	133.261	0.120000

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776.396	133.426	0.120000
786.394	133.174	0.120000
796.394	133.381	0.120000
806.343	133.433	0.120000
816.343	133.551	0.120000
826.204	133.504	0.120000
836.204	133.563	0.120000
846.116	133.736	0.120000
856.116	133.700	0.120000
865.906	133.714	0.120000
875.906	133.649	0.120000
885.790	133.412	0.120000
895.779	133.281	0.120000
905.779	133.340	0.120000
915.779	133.528	0.120000
925.765	133.484	0.120000
935.765	133.515	0.120000
945.687	133.537	0.120000
955.004	133.893	0.120000
964.985	133.923	0.120000
974.946	133.961	0.120000
984.946	134.088	0.120000
994.942	134.209	0.120000
1004.942	134.169	0.120000
1014.940	133.904	0.120000
1024.833	133.771	0.120000
1034.833	133.770	0.120000
1044.787	133.763	0.120000
1054.787	133.721	0.120000
1064.783	133.690	0.120000
1074.783	133.744	0.120000
1084.676	133.666	0.120000
1094.676	133.640	0.120000
1104.561	133.768	0.120000
1114.561	133.692	0.120000
1124.550	133.751	0.120000
1134.548	133.758	0.120000
1144.548	133.743	0.120000
1154.548	133.747	0.120000
1164.548	133.780	0.120000
1174.485	133.810	0.120000
1184.474	133.832	0.120000
1194.474	133.916	0.120000
1204.089	133.959	0.120000
1214.089	133.989	0.120000
1224.085	133.976	0.120000
1234.085	133.970	0.120000
1244.085	134.087	0.120000
1252.942	134.218	0.120000
1253.042	136.499	0.120000

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 Name: RHH8160B  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.224	0.120000
0.000	136.584	0.120000
10.000	136.634	0.120000
20.000	136.533	0.120000
30.000	136.535	0.120000
40.000	136.494	0.120000
50.000	136.632	0.120000
60.000	136.477	0.120000
70.000	136.456	0.120000
80.000	136.394	0.120000
90.000	136.394	0.120000
100.000	136.375	0.120000
110.000	136.432	0.120000
120.000	136.427	0.120000

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40.056	142.266	0.120000
50.056	142.442	0.120000
59.527	142.536	0.120000
69.527	142.751	0.120000
79.527	142.862	0.120000
89.527	142.985	0.120000
99.527	143.240	0.120000
109.480	143.428	0.120000
119.480	143.494	0.120000
129.479	143.718	0.120000
139.479	144.052	0.120000
149.479	144.227	0.120000
159.479	144.350	0.120000
169.479	144.484	0.120000
179.176	144.628	0.120000
189.176	144.753	0.120000
199.176	144.992	0.120000
209.176	145.189	0.120000
219.176	145.227	0.120000
229.176	145.400	0.120000
239.176	145.564	0.120000
248.417	145.726	0.120000
258.417	145.951	0.120000
268.303	146.095	0.120000
278.303	146.308	0.120000
288.303	146.342	0.120000
298.303	146.535	0.120000
308.303	146.661	0.120000
318.289	146.838	0.120000
328.289	147.017	0.120000
338.289	147.231	0.120000
348.289	147.353	0.120000
348.389	147.353	0.120000

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 Name: RHH8180B  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	147.353	0.120000
0.000	139.924	0.120000
3.253	140.137	0.120000
13.252	140.398	0.120000
23.252	140.412	0.120000
33.236	140.481	0.120000
43.084	140.663	0.120000
53.084	140.599	0.120000
62.467	140.895	0.120000
72.467	141.130	0.120000
82.467	141.257	0.120000
92.327	141.268	0.120000
102.327	141.732	0.120000
112.155	142.291	0.120000
122.155	142.333	0.120000
131.650	142.447	0.120000
141.650	142.567	0.120000
151.650	142.699	0.120000
161.650	142.795	0.120000
171.650	142.936	0.120000
181.605	143.169	0.120000
191.563	143.364	0.120000
201.563	143.448	0.120000
211.515	143.601	0.120000
221.301	143.659	0.120000
231.301	143.657	0.120000
240.860	143.842	0.120000
250.860	143.983	0.120000
260.860	144.176	0.120000
270.810	144.217	0.120000
280.810	144.248	0.120000

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0.000	146.678	0.120000
8.790	146.707	0.120000
18.790	146.544	0.120000
28.790	146.330	0.120000
38.790	146.178	0.120000
48.768	146.066	0.120000
58.768	145.831	0.120000
68.768	145.608	0.120000
78.768	145.464	0.120000
88.768	145.350	0.120000
98.768	145.173	0.120000
108.757	145.261	0.120000
118.757	145.172	0.120000
128.757	144.950	0.120000
138.757	144.834	0.120000
148.757	144.700	0.120000
158.757	144.437	0.120000
168.757	144.383	0.120000
178.757	144.349	0.120000
188.757	144.239	0.120000
198.757	144.045	0.120000
208.757	143.998	0.120000
218.757	143.988	0.120000
228.757	143.989	0.120000
238.757	143.967	0.120000
248.757	143.964	0.120000
258.757	143.891	0.120000
268.757	143.872	0.120000
278.757	143.668	0.120000
288.757	143.744	0.120000
298.757	143.392	0.120000
308.757	143.352	0.120000
318.757	143.462	0.120000
328.757	143.705	0.120000
338.757	143.017	0.120000
348.757	142.991	0.120000
358.756	142.926	0.120000
368.756	142.855	0.120000
378.756	142.705	0.120000
388.756	142.864	0.120000
398.756	142.672	0.120000
408.756	142.834	0.120000
418.728	142.641	0.120000
428.728	142.626	0.120000
438.728	142.196	0.120000
448.728	142.279	0.120000
458.728	142.168	0.120000
468.728	141.849	0.120000
478.728	141.918	0.120000
488.702	141.809	0.120000
498.702	141.696	0.120000
508.702	141.642	0.120000
518.702	141.769	0.120000
528.702	141.629	0.120000
538.635	141.583	0.120000
548.635	141.509	0.120000
558.635	141.399	0.120000
568.635	141.248	0.120000
578.602	141.019	0.120000
588.602	140.929	0.120000
598.602	140.842	0.120000
608.548	140.860	0.120000
618.548	140.420	0.120000
628.548	140.195	0.120000
638.548	139.928	0.120000
648.548	139.766	0.120000
658.518	139.108	0.120000
668.518	138.657	0.120000
678.518	138.279	0.120000
688.335	138.209	0.120000
698.335	138.652	0.120000
708.335	138.411	0.120000
717.991	137.687	0.120000



Proposed Polk City Model (Basins 5-8)  
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379.731	134.950	0.120000
389.731	134.936	0.120000
399.731	134.901	0.120000
409.731	134.865	0.120000
419.731	134.869	0.120000
429.731	134.819	0.120000
439.731	134.907	0.120000
449.731	134.903	0.120000
459.707	134.880	0.120000
469.707	134.873	0.120000
479.707	134.895	0.120000
489.707	134.940	0.120000
499.631	134.971	0.120000
509.631	135.060	0.120000
519.631	135.107	0.120000
529.595	135.074	0.120000
539.595	135.126	0.120000
549.595	135.114	0.120000
559.595	135.096	0.120000
569.595	135.161	0.120000
579.585	135.118	0.120000
589.585	135.061	0.120000
599.585	135.081	0.120000
609.585	135.100	0.120000
619.585	135.118	0.120000
629.585	135.011	0.120000
639.585	135.084	0.120000
649.585	135.142	0.120000
659.585	135.078	0.120000
669.584	135.050	0.120000
679.584	135.023	0.120000
689.584	134.866	0.120000
699.584	134.866	0.120000
709.584	134.901	0.120000
719.584	134.965	0.120000
729.584	134.901	0.120000
739.584	134.952	0.120000
749.584	134.913	0.120000
759.584	134.894	0.120000
769.583	134.901	0.120000
779.583	134.852	0.120000
789.583	134.886	0.120000
799.583	134.916	0.120000
809.583	134.868	0.120000
819.561	134.943	0.120000
829.561	134.906	0.120000
839.561	134.907	0.120000
849.561	134.919	0.120000
859.537	134.883	0.120000
869.537	134.861	0.120000
879.537	134.874	0.120000
889.537	134.862	0.120000
899.535	134.887	0.120000
909.535	134.887	0.120000
919.535	134.869	0.120000
929.535	134.849	0.120000
939.535	134.893	0.120000
949.535	134.859	0.120000
959.535	134.842	0.120000
969.535	135.084	0.120000
979.534	135.092	0.120000
989.534	135.147	0.120000
999.534	135.186	0.120000
1009.534	135.203	0.120000
1019.534	135.278	0.120000
1029.534	135.306	0.120000
1039.531	135.185	0.120000
1049.531	135.279	0.120000
1059.531	135.348	0.120000
1069.531	135.383	0.120000
1079.531	135.471	0.120000
1089.531	135.391	0.120000
1099.531	135.540	0.120000





Proposed Polk City Model (Basins 5-8)  
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3410.039	132.628	0.120000
3420.039	132.614	0.120000
3429.946	132.576	0.120000
3439.946	132.471	0.120000
3449.946	132.451	0.120000
3459.907	132.711	0.120000
3469.907	132.586	0.120000
3479.907	132.373	0.120000
3489.907	132.185	0.120000
3499.889	132.068	0.120000
3509.889	131.813	0.120000
3519.620	131.703	0.120000
3529.620	131.691	0.120000
3539.620	131.776	0.120000
3549.620	131.916	0.120000
3556.832	132.055	0.120000
3566.796	132.368	0.120000
3576.796	132.434	0.120000
3586.215	132.777	0.120000
3596.215	132.487	0.120000
3606.215	132.286	0.120000
3616.215	132.587	0.120000
3626.193	132.530	0.120000
3636.193	132.677	0.120000
3646.185	132.782	0.120000
3656.185	132.796	0.120000
3666.185	132.806	0.120000
3676.185	132.768	0.120000
3686.184	132.671	0.120000
3696.184	132.641	0.120000
3706.184	132.601	0.120000
3716.180	132.541	0.120000
3726.180	132.423	0.120000
3736.180	132.428	0.120000
3746.180	132.392	0.120000
3756.156	132.315	0.120000
3766.156	132.549	0.120000
3776.156	132.767	0.120000
3786.156	132.669	0.120000
3796.103	132.663	0.120000
3806.103	132.723	0.120000
3816.103	132.797	0.120000
3826.096	132.760	0.120000
3836.096	132.784	0.120000
3846.096	132.752	0.120000
3856.096	132.764	0.120000
3866.096	132.822	0.120000
3876.096	132.926	0.120000
3886.083	133.096	0.120000
3896.083	133.096	0.120000
3906.008	133.246	0.120000
3916.008	133.411	0.120000
3926.008	133.568	0.120000
3935.912	133.661	0.120000
3945.881	133.837	0.120000
3955.881	133.825	0.120000
3965.809	133.890	0.120000
3975.809	133.913	0.120000
3985.782	134.027	0.120000
3995.782	134.273	0.120000
4005.782	134.188	0.120000
4015.772	134.053	0.120000
4025.772	133.978	0.120000
4035.739	133.955	0.120000
4045.737	133.962	0.120000
4055.737	133.998	0.120000
4065.732	134.023	0.120000
4075.732	134.066	0.120000
4085.641	134.102	0.120000
4095.087	134.110	0.120000
4105.087	134.128	0.120000
4115.083	134.163	0.120000
4125.083	134.222	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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4134.475	134.269	0.120000
4144.475	134.285	0.120000
4154.475	134.334	0.120000
4164.475	134.385	0.120000
4174.475	134.432	0.120000
4184.470	134.452	0.120000
4194.470	134.478	0.120000
4204.470	134.486	0.120000
4212.707	134.498	0.120000
4222.707	134.522	0.120000
4232.415	134.522	0.120000
4242.235	134.539	0.120000
4252.235	134.552	0.120000
4262.069	134.538	0.120000
4272.069	134.498	0.120000
4282.069	134.480	0.120000
4292.069	134.439	0.120000
4302.069	134.393	0.120000
4312.069	134.352	0.120000
4322.069	134.326	0.120000
4332.069	134.285	0.120000
4341.767	134.232	0.120000
4351.767	134.183	0.120000
4361.765	134.142	0.120000
4371.765	134.136	0.120000
4381.765	134.137	0.120000
4391.765	134.126	0.120000
4401.765	134.130	0.120000
4411.738	134.130	0.120000
4421.738	134.130	0.120000
4431.738	134.121	0.120000
4441.714	134.107	0.120000
4451.714	134.086	0.120000
4461.651	134.073	0.120000
4469.960	134.047	0.120000
4479.960	134.021	0.120000
4489.862	133.991	0.120000
4499.862	133.989	0.120000
4509.862	133.971	0.120000
4519.862	133.938	0.120000
4529.862	133.890	0.120000
4539.862	133.836	0.120000
4549.784	133.803	0.120000
4559.784	133.735	0.120000
4569.784	133.681	0.120000
4579.582	133.651	0.120000
4589.582	133.623	0.120000
4599.582	133.555	0.120000
4609.582	133.516	0.120000
4619.547	133.444	0.120000
4629.547	133.406	0.120000
4639.547	133.316	0.120000
4649.547	133.268	0.120000
4659.532	133.245	0.120000
4669.532	133.208	0.120000
4679.450	133.152	0.120000
4689.450	133.116	0.120000
4699.450	133.083	0.120000
4709.427	133.045	0.120000
4719.427	133.219	0.120000
4729.427	133.365	0.120000
4739.116	133.369	0.120000
4749.116	133.478	0.120000
4758.999	133.497	0.120000
4768.999	133.662	0.120000
4778.999	133.847	0.120000
4788.999	133.872	0.120000
4798.999	134.088	0.120000
4808.896	134.119	0.120000
4818.896	134.133	0.120000
4828.896	134.189	0.120000
4838.896	134.192	0.120000
4848.796	134.267	0.120000

Proposed Polk City Model (Basins 5-8)  
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Complete Input Report

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4858.796	134.365	0.120000
4868.796	134.526	0.120000
4878.678	134.634	0.120000
4888.678	134.657	0.120000
4898.678	134.800	0.120000
4908.676	134.925	0.120000
4918.676	135.171	0.120000
4928.537	134.980	0.120000
4938.537	135.147	0.120000
4948.495	135.031	0.120000
4958.495	135.254	0.120000
4968.464	135.167	0.120000
4978.464	134.843	0.120000
4988.462	134.848	0.120000
4998.457	134.862	0.120000
5008.457	134.664	0.120000
5018.455	134.745	0.120000
5028.455	134.795	0.120000
5038.454	134.682	0.120000
5048.454	134.690	0.120000
5058.454	134.706	0.120000
5068.452	134.641	0.120000
5078.452	134.683	0.120000
5088.452	134.531	0.120000
5098.451	134.581	0.120000
5108.437	134.434	0.120000
5118.437	134.437	0.120000
5128.437	134.504	0.120000
5138.405	134.416	0.120000
5148.405	134.436	0.120000
5158.405	134.870	0.120000
5168.405	134.444	0.120000
5178.402	134.808	0.120000
5188.402	134.631	0.120000
5198.402	134.689	0.120000
5208.387	134.772	0.120000
5218.387	134.803	0.120000
5228.374	134.866	0.120000
5238.374	134.862	0.120000
5248.374	134.932	0.120000
5258.374	134.972	0.120000
5268.328	135.066	0.120000
5278.328	135.197	0.120000
5288.328	135.347	0.120000
5298.278	135.492	0.120000
5308.278	135.485	0.120000
5318.278	135.279	0.120000
5328.278	135.535	0.120000
5338.270	135.392	0.120000
5348.270	135.586	0.120000
5358.270	135.324	0.120000
5368.270	135.455	0.120000
5378.241	135.476	0.120000
5388.241	135.486	0.120000
5398.241	135.495	0.120000
5408.241	135.520	0.120000
5418.241	135.613	0.120000
5428.239	135.128	0.120000
5438.239	135.192	0.120000
5448.239	135.162	0.120000
5458.233	135.199	0.120000
5468.233	135.217	0.120000
5477.820	135.287	0.120000
5487.820	135.120	0.120000
5497.820	134.863	0.120000
5507.780	134.834	0.120000
5517.780	134.808	0.120000
5527.780	134.503	0.120000
5537.754	134.615	0.120000
5547.754	134.834	0.120000
5557.638	134.625	0.120000
5567.638	134.373	0.120000
5577.637	134.229	0.120000

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5587.637	134.390	0.120000
5597.526	134.095	0.120000
5607.526	134.019	0.120000
5617.519	133.793	0.120000
5627.519	133.754	0.120000
5637.519	133.678	0.120000
5647.516	133.686	0.120000
5657.516	133.676	0.120000
5667.516	133.819	0.120000
5677.516	133.766	0.120000
5687.512	133.847	0.120000
5697.512	133.981	0.120000
5707.511	134.010	0.120000
5717.511	133.994	0.120000
5727.511	133.886	0.120000
5737.508	134.301	0.120000
5747.508	134.300	0.120000
5757.508	134.332	0.120000
5767.508	134.468	0.120000
5777.478	134.487	0.120000
5787.478	134.534	0.120000
5797.320	134.597	0.120000
5807.320	134.797	0.120000
5817.319	135.337	0.120000
5827.319	135.264	0.120000
5837.307	135.091	0.120000
5847.307	135.651	0.120000
5857.307	135.440	0.120000
5867.264	135.518	0.120000
5877.264	135.613	0.120000
5887.135	135.274	0.120000
5897.135	135.107	0.120000
5907.101	135.005	0.120000
5917.101	134.819	0.120000
5927.036	134.861	0.120000
5937.036	135.421	0.120000
5947.000	135.434	0.120000
5957.000	135.505	0.120000
5966.546	135.335	0.120000
5976.546	135.035	0.120000
5986.508	135.113	0.120000
5996.508	135.710	0.120000
6006.447	135.313	0.120000
6016.447	135.065	0.120000
6026.444	135.337	0.120000
6036.444	134.980	0.120000
6046.280	135.147	0.120000
6056.280	134.823	0.120000
6066.046	134.866	0.120000
6076.041	134.832	0.120000
6086.041	134.886	0.120000
6096.041	135.446	0.120000
6105.891	135.023	0.120000
6115.891	135.099	0.120000
6125.749	134.708	0.120000
6135.749	134.553	0.120000
6145.546	134.656	0.120000
6155.546	134.613	0.120000
6165.421	134.705	0.120000
6175.421	134.663	0.120000
6185.414	134.735	0.120000
6195.414	134.778	0.120000
6205.414	134.762	0.120000
6215.414	134.743	0.120000
6225.414	134.613	0.120000
6235.414	134.459	0.120000
6245.414	134.368	0.120000
6255.413	134.442	0.120000
6265.413	134.420	0.120000
6275.413	134.304	0.120000
6285.413	134.150	0.120000
6295.413	134.083	0.120000
6305.412	134.030	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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6315.412	134.068	0.120000
6325.412	134.152	0.120000
6335.412	134.193	0.120000
6345.412	134.204	0.120000
6355.412	134.162	0.120000
6365.408	134.193	0.120000
6375.408	134.212	0.120000
6385.408	134.301	0.120000
6395.408	134.322	0.120000
6405.408	134.406	0.120000
6415.408	134.256	0.120000
6425.408	134.470	0.120000
6435.408	134.480	0.120000
6445.408	134.584	0.120000
6455.408	134.595	0.120000
6465.408	134.683	0.120000
6475.408	134.520	0.120000
6485.408	134.465	0.120000
6495.407	134.683	0.120000
6505.407	134.681	0.120000
6515.407	134.717	0.120000
6525.407	134.692	0.120000
6535.385	134.659	0.120000
6545.385	134.689	0.120000
6555.383	134.725	0.120000
6565.383	134.813	0.120000
6575.241	134.792	0.120000
6585.241	134.766	0.120000
6595.173	134.872	0.120000
6605.173	135.164	0.120000
6615.173	135.251	0.120000
6625.124	135.072	0.120000
6635.124	135.153	0.120000
6645.105	135.266	0.120000
6655.105	135.324	0.120000
6665.103	135.428	0.120000
6675.103	135.453	0.120000
6685.090	135.324	0.120000
6695.090	135.250	0.120000
6705.090	135.319	0.120000
6714.476	135.292	0.120000
6722.770	135.209	0.120000
6731.304	135.118	0.120000
6741.304	135.199	0.120000
6751.302	135.212	0.120000
6761.041	135.344	0.120000
6771.037	135.378	0.120000
6781.037	135.458	0.120000
6791.037	135.409	0.120000
6800.981	135.423	0.120000
6810.981	135.465	0.120000
6820.409	135.499	0.120000
6830.398	135.357	0.120000
6840.398	135.460	0.120000
6850.181	135.540	0.120000
6860.181	135.727	0.120000
6870.163	135.512	0.120000
6879.882	135.434	0.120000
6889.747	135.429	0.120000
6899.686	135.412	0.120000
6909.686	135.478	0.120000
6919.686	135.481	0.120000
6929.555	135.511	0.120000
6939.555	135.686	0.120000
6948.989	135.695	0.120000
8395.269	136.271	0.120000
8405.269	136.169	0.120000
8415.269	136.149	0.120000
8425.269	136.257	0.120000
8435.269	136.148	0.120000
8445.269	136.187	0.120000
8455.269	136.171	0.120000
8465.269	136.200	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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8475.269	135.802	0.120000
8485.268	135.855	0.120000
8495.268	135.810	0.120000
8505.268	135.808	0.120000
8515.268	135.798	0.120000
8525.245	135.732	0.120000
8535.245	135.650	0.120000
8545.193	135.818	0.120000
8555.193	135.810	0.120000
8565.193	135.661	0.120000
8575.182	135.762	0.120000
8585.182	135.691	0.120000
8595.053	135.672	0.120000
8605.053	135.356	0.120000
8614.943	135.677	0.120000
8624.692	135.528	0.120000
8634.692	135.618	0.120000
8644.597	135.564	0.120000
8654.595	135.572	0.120000
8664.595	135.456	0.120000
8674.049	135.372	0.120000
8684.046	135.345	0.120000
8694.046	135.449	0.120000
8704.046	135.531	0.120000
8714.015	135.507	0.120000
8723.799	135.406	0.120000
8733.799	135.424	0.120000
8743.538	135.202	0.120000
8753.538	134.828	0.120000
8763.538	134.698	0.120000
8773.538	134.430	0.120000
8783.490	134.321	0.120000
8793.490	134.190	0.120000
8803.486	134.125	0.120000
8813.486	134.159	0.120000
8823.483	134.035	0.120000
8833.483	133.805	0.120000
8843.480	133.803	0.120000
8853.480	133.885	0.120000
8863.480	133.834	0.120000
8873.480	133.796	0.120000
8883.434	133.707	0.120000
8893.434	133.725	0.120000
8903.321	133.580	0.120000
8913.321	133.595	0.120000
8923.321	133.394	0.120000
8933.321	133.221	0.120000
8943.318	133.163	0.120000
8953.318	133.164	0.120000
8963.318	133.132	0.120000
8973.317	133.058	0.120000
8983.317	133.062	0.120000
8993.317	133.109	0.120000
9003.295	133.040	0.120000
9013.295	133.030	0.120000
9023.060	133.030	0.120000
9033.060	133.022	0.120000
9042.958	133.028	0.120000
9052.958	133.043	0.120000
9062.741	133.080	0.120000
9072.740	133.286	0.120000
9082.691	133.592	0.120000
9092.691	133.895	0.120000
9102.221	134.375	0.120000
9111.945	134.771	0.120000
9121.945	134.860	0.120000
9122.928	134.860	0.120000
9123.028	139.224	0.120000

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Name: RHH8190B  
Encroachment: No

Group: BASE

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
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Station(ft)	Elevation(ft)	Manning's N
-0.100	141.117	0.120000
0.000	138.606	0.120000
0.436	138.606	0.120000
10.134	138.583	0.120000
20.134	138.091	0.120000
30.133	137.113	0.120000
40.133	136.992	0.120000
50.132	136.959	0.120000
60.132	137.455	0.120000
70.132	138.172	0.120000
78.035	138.365	0.120000
88.032	138.397	0.120000
98.032	138.537	0.120000
108.032	138.669	0.120000
117.942	138.615	0.120000
127.942	138.614	0.120000
137.942	138.627	0.120000
147.774	138.669	0.120000
157.766	138.708	0.120000
167.766	138.754	0.120000
177.597	138.500	0.120000
187.597	138.535	0.120000
197.574	138.621	0.120000
207.574	138.796	0.120000
217.574	138.579	0.120000
227.574	138.588	0.120000
237.574	138.591	0.120000
247.574	138.496	0.120000
257.574	138.617	0.120000
267.574	138.587	0.120000
277.574	138.614	0.120000
287.574	138.629	0.120000
297.574	138.588	0.120000
307.574	138.429	0.120000
317.574	138.581	0.120000
327.574	138.584	0.120000
337.574	138.602	0.120000
347.574	138.533	0.120000
357.574	138.473	0.120000
367.574	138.503	0.120000
377.574	138.584	0.120000
387.574	138.611	0.120000
397.574	138.597	0.120000
407.571	138.627	0.120000
417.571	138.685	0.120000
427.571	138.623	0.120000
437.571	138.691	0.120000
447.571	138.657	0.120000
457.571	138.659	0.120000
467.571	138.581	0.120000
477.571	138.636	0.120000
487.571	138.703	0.120000
497.571	138.674	0.120000
507.571	138.581	0.120000
517.571	138.687	0.120000
527.571	138.647	0.120000
537.571	138.641	0.120000
547.571	138.662	0.120000
557.570	138.616	0.120000
567.570	138.636	0.120000
577.570	138.600	0.120000
587.570	138.795	0.120000
597.570	138.675	0.120000
607.570	138.760	0.120000
617.570	138.655	0.120000
627.570	138.628	0.120000
637.570	138.626	0.120000
647.570	138.680	0.120000
657.570	138.733	0.120000



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CR 557 Widening  
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667.570	138.855	0.120000
677.570	138.685	0.120000
687.570	138.694	0.120000
697.570	138.650	0.120000
707.570	138.680	0.120000
717.569	138.676	0.120000
727.569	138.708	0.120000
737.569	138.702	0.120000
747.569	138.650	0.120000
757.569	138.638	0.120000
767.569	138.757	0.120000
777.569	138.662	0.120000
787.569	138.699	0.120000
797.569	138.669	0.120000
807.569	138.755	0.120000
817.569	138.758	0.120000
827.569	138.739	0.120000
837.569	138.629	0.120000
847.569	138.676	0.120000
857.569	138.684	0.120000
867.569	138.737	0.120000
877.569	138.820	0.120000
887.569	138.609	0.120000
897.569	138.697	0.120000
907.569	138.658	0.120000
917.569	138.715	0.120000
927.569	138.611	0.120000
937.569	138.693	0.120000
947.569	138.696	0.120000
957.569	138.637	0.120000
967.569	138.603	0.120000
977.569	138.668	0.120000
987.569	138.580	0.120000
997.569	138.721	0.120000
1007.569	138.605	0.120000
1017.569	138.616	0.120000
1027.569	138.551	0.120000
1037.569	138.544	0.120000
1047.569	138.714	0.120000
1057.569	138.639	0.120000
1067.569	138.639	0.120000
1077.569	138.544	0.120000
1087.569	138.623	0.120000
1097.569	138.667	0.120000
1107.569	138.608	0.120000
1117.569	138.620	0.120000
1127.569	138.652	0.120000
1137.569	138.688	0.120000
1147.569	138.666	0.120000
1157.569	138.621	0.120000
1167.569	138.596	0.120000
1177.569	138.576	0.120000
1187.569	138.661	0.120000
1197.569	138.853	0.120000
1207.569	138.810	0.120000
1217.569	138.664	0.120000
1227.569	138.745	0.120000
1237.569	138.658	0.120000
1247.569	138.665	0.120000
1257.569	138.687	0.120000
1267.569	138.749	0.120000
1277.569	138.675	0.120000
1287.569	138.726	0.120000
1297.568	138.718	0.120000
1307.568	138.593	0.120000
1317.568	138.571	0.120000
1327.568	138.620	0.120000
1337.568	138.621	0.120000
1347.568	138.635	0.120000
1357.568	138.647	0.120000
1367.568	138.817	0.120000
1377.568	138.621	0.120000
1387.568	138.524	0.120000

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1397.568	138.545	0.120000
1407.568	138.560	0.120000
1417.568	138.626	0.120000
1427.568	138.658	0.120000
1437.568	138.758	0.120000
1447.568	138.664	0.120000
1457.568	138.728	0.120000
1467.568	138.707	0.120000
1477.568	138.801	0.120000
1487.568	138.591	0.120000
1497.568	138.710	0.120000
1507.568	138.688	0.120000
1517.568	138.729	0.120000
1527.568	138.698	0.120000
1537.568	138.763	0.120000
1547.568	138.682	0.120000
1557.568	138.671	0.120000
1567.568	138.698	0.120000
1577.568	138.789	0.120000
1587.568	138.590	0.120000
1597.568	138.644	0.120000
1607.568	138.593	0.120000
1617.568	138.556	0.120000
1627.568	138.641	0.120000
1637.568	138.497	0.120000
1647.568	138.690	0.120000
1657.568	138.546	0.120000
1667.568	138.553	0.120000
1677.568	138.523	0.120000
1687.568	138.467	0.120000
1697.568	138.467	0.120000
1707.568	138.548	0.120000
1717.568	138.432	0.120000
1727.568	138.533	0.120000
1737.568	138.471	0.120000
1747.567	138.508	0.120000
1757.567	138.251	0.120000
1767.567	138.383	0.120000
1777.567	138.444	0.120000
1787.567	138.488	0.120000
1797.567	138.446	0.120000
1807.567	138.355	0.120000
1817.567	138.552	0.120000
1827.567	138.424	0.120000
1837.567	138.348	0.120000
1847.567	138.366	0.120000
1857.567	138.311	0.120000
1867.567	138.254	0.120000
1877.567	138.242	0.120000
1887.567	138.230	0.120000
1897.567	138.226	0.120000
1907.567	138.164	0.120000
1917.567	138.187	0.120000
1927.567	138.264	0.120000
1937.567	138.081	0.120000
1947.567	138.139	0.120000
1957.567	138.116	0.120000
1967.567	138.100	0.120000
1977.567	138.129	0.120000
1987.567	137.972	0.120000
1997.567	138.046	0.120000
2007.567	138.146	0.120000
2017.567	137.999	0.120000
2027.567	138.126	0.120000
2037.567	137.765	0.120000
2047.567	137.818	0.120000
2057.567	137.736	0.120000
2067.567	137.746	0.120000
2077.567	137.812	0.120000
2087.567	137.795	0.120000
2097.567	137.635	0.120000
2107.567	137.707	0.120000
2117.567	137.834	0.120000

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2127.567	137.731	0.120000
2137.567	137.747	0.120000
2147.567	137.706	0.120000
2157.567	137.695	0.120000
2167.567	137.672	0.120000
2177.567	137.724	0.120000
2187.567	137.773	0.120000
2197.567	137.599	0.120000
2207.567	137.874	0.120000
2217.567	137.656	0.120000
2227.567	137.598	0.120000
2237.567	137.620	0.120000
2247.567	137.669	0.120000
2257.567	137.592	0.120000
2267.567	137.632	0.120000
2277.567	137.598	0.120000
2287.567	137.650	0.120000
2297.567	137.586	0.120000
2307.567	137.838	0.120000
2317.567	137.559	0.120000
2327.567	137.677	0.120000
2337.567	137.585	0.120000
2347.567	137.635	0.120000
2357.567	137.557	0.120000
2367.566	137.600	0.120000
2377.566	137.468	0.120000
2387.566	137.494	0.120000
2397.566	137.390	0.120000
2407.566	137.460	0.120000
2417.566	137.444	0.120000
2427.566	137.416	0.120000
2437.566	137.426	0.120000
2447.566	137.442	0.120000
2457.566	137.329	0.120000
2467.566	137.355	0.120000
2477.566	137.254	0.120000
2487.566	137.309	0.120000
2497.566	137.219	0.120000
2507.566	137.174	0.120000
2517.566	137.397	0.120000
2527.566	137.123	0.120000
2537.566	137.108	0.120000
2547.566	137.212	0.120000
2557.566	137.136	0.120000
2567.566	137.166	0.120000
2577.566	137.116	0.120000
2587.566	137.161	0.120000
2597.566	137.090	0.120000
2607.566	137.100	0.120000
2617.566	137.152	0.120000
2627.566	137.021	0.120000
2637.566	136.921	0.120000
2647.566	136.879	0.120000
2657.566	136.842	0.120000
2667.566	136.871	0.120000
2677.566	136.795	0.120000
2687.566	136.795	0.120000
2697.566	136.773	0.120000
2707.566	136.707	0.120000
2717.566	136.864	0.120000
2727.566	136.768	0.120000
2737.566	136.622	0.120000
2747.566	136.714	0.120000
2757.566	136.738	0.120000
2767.566	136.669	0.120000
2777.566	136.862	0.120000
2787.566	136.618	0.120000
2797.566	136.624	0.120000
2807.566	136.636	0.120000
2817.566	136.583	0.120000
2827.565	136.813	0.120000
2837.565	136.491	0.120000
2847.565	136.555	0.120000

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2857.565	136.512	0.120000
2867.565	136.488	0.120000
2877.565	136.399	0.120000
2887.565	136.386	0.120000
2897.565	136.423	0.120000
2907.565	136.374	0.120000
2917.565	136.305	0.120000
2927.565	136.490	0.120000
2937.564	136.322	0.120000
2947.564	136.304	0.120000
2957.564	136.376	0.120000
2967.564	136.191	0.120000
2977.564	136.133	0.120000
2987.564	136.135	0.120000
2997.562	136.176	0.120000
3007.562	136.157	0.120000
3017.562	136.163	0.120000
3027.562	136.149	0.120000
3037.562	136.135	0.120000
3047.562	136.139	0.120000
3057.562	136.167	0.120000
3067.562	136.236	0.120000
3077.562	136.136	0.120000
3087.562	136.274	0.120000
3097.562	136.302	0.120000
3107.562	136.360	0.120000
3117.562	136.320	0.120000
3127.562	136.255	0.120000
3137.562	136.177	0.120000
3147.562	136.238	0.120000
3157.562	136.164	0.120000
3167.556	136.169	0.120000
3177.556	136.168	0.120000
3187.556	136.172	0.120000
3197.556	136.226	0.120000
3207.556	136.313	0.120000
3217.556	136.238	0.120000
3227.556	136.207	0.120000
3237.556	136.205	0.120000
3247.556	136.188	0.120000
3257.556	136.358	0.120000
3267.555	136.308	0.120000
3277.555	136.450	0.120000
3287.555	136.389	0.120000
3297.555	136.350	0.120000
3307.555	136.353	0.120000
3317.555	136.461	0.120000
3327.555	136.485	0.120000
3337.555	136.486	0.120000
3347.555	136.443	0.120000
3357.555	136.402	0.120000
3367.555	136.431	0.120000
3377.555	136.468	0.120000
3387.555	136.476	0.120000
3397.555	136.380	0.120000
3407.555	136.407	0.120000
3417.555	136.400	0.120000
3427.555	136.434	0.120000
3437.555	136.473	0.120000
3447.555	136.440	0.120000
3457.555	136.466	0.120000
3467.555	136.441	0.120000
3477.555	136.464	0.120000
3487.555	136.504	0.120000
3497.555	136.561	0.120000
3507.555	136.322	0.120000
3517.555	136.364	0.120000
3527.555	136.437	0.120000
3537.555	136.344	0.120000
3547.555	136.422	0.120000
3557.555	136.416	0.120000
3567.555	136.399	0.120000
3577.555	136.324	0.120000

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3587.555	136.544	0.120000
3597.555	136.379	0.120000
3607.555	136.389	0.120000
3617.554	136.518	0.120000
3627.554	136.498	0.120000
3637.554	136.530	0.120000
3647.554	136.496	0.120000
3657.554	136.415	0.120000
3667.554	136.510	0.120000
3677.554	136.494	0.120000
3687.554	136.439	0.120000
3697.554	136.464	0.120000
3707.554	136.441	0.120000
3717.554	136.558	0.120000
3727.554	136.406	0.120000
3737.554	136.444	0.120000
3747.554	136.459	0.120000
3757.554	136.465	0.120000
3767.554	136.519	0.120000
3777.554	136.682	0.120000
3787.554	136.510	0.120000
3797.554	136.501	0.120000
3807.554	136.536	0.120000
3817.554	136.462	0.120000
3827.554	136.431	0.120000
3837.554	136.379	0.120000
3847.554	136.360	0.120000
3857.554	136.380	0.120000
3867.554	136.432	0.120000
3877.554	136.477	0.120000
3887.554	136.376	0.120000
3897.554	136.444	0.120000
3907.554	136.365	0.120000
3917.554	136.372	0.120000
3927.554	136.438	0.120000
3937.554	136.320	0.120000
3947.554	136.346	0.120000
3957.554	136.422	0.120000
3967.551	136.460	0.120000
3977.551	136.389	0.120000
3987.551	136.410	0.120000
3997.543	136.331	0.120000
4007.543	136.299	0.120000
4017.543	136.249	0.120000
4027.543	136.301	0.120000
4037.543	136.366	0.120000
4047.543	136.371	0.120000
4057.543	136.286	0.120000
4067.539	136.330	0.120000
4077.539	136.340	0.120000
4087.539	136.242	0.120000
4097.539	136.117	0.120000
4107.539	136.289	0.120000
4117.528	136.266	0.120000
4127.528	136.200	0.120000
4137.528	136.293	0.120000
4147.527	136.423	0.120000
4157.527	136.335	0.120000
4167.527	136.334	0.120000
4177.527	136.351	0.120000
4187.525	136.311	0.120000
4197.525	136.328	0.120000
4207.525	136.412	0.120000
4217.525	136.241	0.120000
4227.525	136.264	0.120000
4237.520	136.243	0.120000
4247.520	136.444	0.120000
4257.520	136.399	0.120000
4267.520	136.275	0.120000
4277.520	136.337	0.120000
4287.520	136.212	0.120000
4297.520	136.293	0.120000
4307.520	136.282	0.120000

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4317.516	136.394	0.120000
4327.516	136.283	0.120000
4327.616	141.117	0.120000

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 Name: RO14131                                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	139.097	0.120000
0.000	135.348	0.120000
4.387	135.327	0.120000
14.311	135.256	0.120000
24.311	134.974	0.120000
34.311	134.912	0.120000
44.311	135.021	0.120000
54.311	134.972	0.120000
64.311	134.938	0.120000
73.993	135.033	0.120000
83.993	134.457	0.120000
93.993	134.180	0.120000
103.993	134.097	0.120000
113.993	134.153	0.120000
123.993	134.176	0.120000
133.993	134.376	0.120000
143.993	134.470	0.120000
153.993	134.505	0.120000
163.993	134.506	0.120000
173.867	134.578	0.120000
183.867	134.478	0.120000
193.867	134.377	0.120000
203.822	134.517	0.120000
213.822	134.536	0.120000
223.788	134.814	0.120000
233.788	134.915	0.120000
243.788	135.036	0.120000
253.788	135.462	0.120000
263.616	135.838	0.120000
273.616	136.227	0.120000
283.616	136.373	0.120000
293.616	136.265	0.120000
303.264	136.170	0.120000
313.233	136.272	0.120000
323.233	136.502	0.120000
333.233	136.647	0.120000
343.233	136.746	0.120000
353.233	136.338	0.120000
362.972	137.304	0.120000
372.972	137.474	0.120000
382.889	137.503	0.120000
392.889	137.618	0.120000
392.989	139.097	0.120000

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 Name: RO14136A                                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.504	0.120000
0.000	138.388	0.120000
10.000	138.776	0.120000
19.997	138.497	0.120000
29.997	137.716	0.120000
39.997	137.379	0.120000
49.997	137.360	0.120000
59.997	137.427	0.120000
69.997	137.622	0.120000

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79.997	137.853	0.120000
89.771	137.670	0.120000
99.771	137.592	0.120000
109.771	137.416	0.120000
119.771	137.349	0.120000
129.771	137.377	0.120000
139.771	137.459	0.120000
149.771	137.554	0.120000
159.771	137.679	0.120000
169.771	137.661	0.120000
179.771	137.592	0.120000
189.771	137.473	0.120000
199.771	137.327	0.120000
209.631	137.203	0.120000
219.631	137.033	0.120000
229.631	136.911	0.120000
239.631	136.644	0.120000
249.631	136.515	0.120000
259.631	136.531	0.120000
269.631	136.587	0.120000
279.631	136.586	0.120000
289.631	136.537	0.120000
299.631	136.532	0.120000
309.630	136.536	0.120000
319.630	136.504	0.120000
329.630	136.527	0.120000
339.630	136.571	0.120000
349.630	136.706	0.120000
359.630	136.829	0.120000
369.444	136.921	0.120000
379.444	137.126	0.120000
389.444	137.463	0.120000
399.444	137.643	0.120000
409.444	137.978	0.120000
419.444	138.171	0.120000
429.444	138.463	0.120000
439.444	138.801	0.120000
449.394	138.844	0.120000
459.394	138.818	0.120000
469.394	138.695	0.120000
479.394	138.633	0.120000
489.289	138.571	0.120000
499.289	138.499	0.120000
509.289	138.270	0.120000
519.289	137.955	0.120000
529.289	137.409	0.120000
539.289	137.731	0.120000
549.289	138.248	0.120000
559.289	138.829	0.120000
569.289	139.154	0.120000
579.289	139.342	0.120000
589.289	139.643	0.120000
591.234	139.480	0.120000
591.334	141.504	0.120000

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 Name: RO14136C  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	143.393	0.120000
0.000	138.393	0.120000
9.287	138.432	0.120000
19.256	138.469	0.120000
29.256	138.522	0.120000
39.256	138.614	0.120000
49.256	138.570	0.120000
52.704	138.538	0.120000
52.804	143.393	0.120000

Name: RO14136D  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.332	0.120000
0.000	138.538	0.120000
9.993	138.610	0.120000
19.711	138.511	0.120000
29.711	138.430	0.120000
39.711	138.406	0.120000
49.189	138.427	0.120000
59.189	138.470	0.120000
68.816	138.480	0.120000
78.816	138.502	0.120000
88.816	138.560	0.120000
98.467	138.629	0.120000
108.467	138.652	0.120000
118.467	138.678	0.120000
128.315	138.764	0.120000
138.315	138.769	0.120000
148.260	138.735	0.120000
158.260	138.698	0.120000
168.260	138.605	0.120000
178.260	138.515	0.120000
188.260	138.415	0.120000
198.260	138.278	0.120000
208.260	138.060	0.120000
218.260	137.802	0.120000
228.260	137.585	0.120000
238.260	137.416	0.120000
248.182	137.251	0.120000
256.341	137.034	0.120000
266.341	136.844	0.120000
276.091	136.592	0.120000
286.091	136.456	0.120000
296.091	136.469	0.120000
306.091	136.516	0.120000
316.091	136.551	0.120000
325.887	136.539	0.120000
335.887	136.482	0.120000
345.887	136.414	0.120000
355.887	136.332	0.120000
365.887	136.578	0.120000
375.887	136.894	0.120000
385.887	136.917	0.120000
395.885	136.853	0.120000
405.885	136.802	0.120000
415.885	136.712	0.120000
425.885	136.680	0.120000
435.885	136.661	0.120000
445.885	136.631	0.120000
455.885	136.560	0.120000
465.885	136.400	0.120000
475.885	136.365	0.120000
485.885	136.408	0.120000
495.885	136.495	0.120000
505.885	136.720	0.120000
515.885	137.196	0.120000
525.885	137.401	0.120000
535.885	137.434	0.120000
545.885	137.591	0.120000
555.885	137.698	0.120000
565.885	137.626	0.120000
575.885	137.520	0.120000
585.885	137.499	0.120000
595.885	137.417	0.120000
605.885	137.379	0.120000
615.885	137.253	0.120000
625.847	137.162	0.120000



Proposed Polk City Model (Basins 5-8)  
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635.847	137.133	0.120000
645.847	137.205	0.120000
655.847	137.272	0.120000
665.847	137.135	0.120000
675.847	137.267	0.120000
685.847	137.961	0.120000
695.235	138.388	0.120000
695.335	141.332	0.120000

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 Name: RO14211                                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	157.497	0.120000
0.000	157.552	0.120000
6.930	157.497	0.120000
16.930	157.421	0.120000
26.930	157.339	0.120000
36.930	157.200	0.120000
46.929	157.088	0.120000
56.929	156.987	0.120000
66.929	156.885	0.120000
76.917	156.807	0.120000
86.917	156.708	0.120000
96.917	156.584	0.120000
106.917	156.394	0.120000
116.917	156.207	0.120000
126.917	156.009	0.120000
136.917	155.795	0.120000
146.910	155.560	0.120000
156.910	155.357	0.120000
166.856	155.104	0.120000
176.856	154.836	0.120000
186.856	154.675	0.120000
196.806	154.385	0.120000
206.806	154.083	0.120000
216.806	153.784	0.120000
226.806	153.645	0.120000
236.806	153.317	0.120000
246.806	152.962	0.120000
256.800	152.620	0.120000
266.800	152.205	0.120000
276.800	151.864	0.120000
286.800	151.450	0.120000
296.800	151.123	0.120000
306.800	150.702	0.120000
316.800	150.357	0.120000
326.800	149.924	0.120000
336.800	149.534	0.120000
346.800	149.283	0.120000
356.800	148.898	0.120000
366.800	148.509	0.120000
376.800	148.154	0.120000
386.800	147.748	0.120000
396.800	147.344	0.120000
406.800	146.926	0.120000
416.800	146.590	0.120000
426.793	146.179	0.120000
436.793	145.837	0.120000
446.793	145.504	0.120000
456.793	145.139	0.120000
466.793	144.882	0.120000
476.793	144.647	0.120000
486.793	144.231	0.120000
496.793	143.914	0.120000
506.530	143.588	0.120000
516.530	143.300	0.120000
526.122	143.044	0.120000
536.122	142.790	0.120000

Proposed Polk City Model (Basins 5-8)  
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546.122	142.552	0.120000
556.122	142.335	0.120000
566.122	142.137	0.120000
576.122	141.957	0.120000
586.122	141.795	0.120000
596.122	141.679	0.120000
606.122	141.596	0.120000
616.113	141.492	0.120000
626.113	141.583	0.120000
635.817	141.609	0.120000
645.817	141.586	0.120000
655.735	141.431	0.120000
665.735	141.038	0.120000
675.735	140.886	0.120000
685.735	140.743	0.120000
695.729	140.565	0.120000
705.729	140.375	0.120000
715.729	140.223	0.120000
725.729	140.125	0.120000
735.609	139.889	0.120000
745.609	139.634	0.120000
755.609	139.377	0.120000
765.609	139.206	0.120000
775.609	138.943	0.120000
785.609	138.647	0.120000
795.595	138.357	0.120000
805.595	138.138	0.120000
815.595	138.054	0.120000
825.561	137.839	0.120000
835.561	137.708	0.120000
845.472	137.503	0.120000
855.472	137.311	0.120000
865.472	137.179	0.120000
875.472	137.003	0.120000
885.472	136.811	0.120000
895.431	136.681	0.120000
905.431	136.490	0.120000
915.431	136.309	0.120000
925.425	136.150	0.120000
935.425	135.974	0.120000
945.425	135.860	0.120000
955.403	135.624	0.120000
965.403	135.508	0.120000
975.261	135.342	0.120000
985.261	135.216	0.120000
995.261	135.070	0.120000
1005.261	134.899	0.120000
1015.261	134.704	0.120000
1025.260	134.486	0.120000
1035.260	134.296	0.120000
1045.260	134.152	0.120000
1055.260	134.112	0.120000
1065.042	134.134	0.120000
1075.042	134.123	0.120000
1085.021	134.052	0.120000
1095.021	133.978	0.120000
1105.021	133.956	0.120000
1115.021	133.999	0.120000
1125.014	133.892	0.120000
1135.014	133.865	0.120000
1144.662	133.877	0.120000
1154.662	133.890	0.120000
1164.662	133.862	0.120000
1174.565	133.997	0.120000
1184.565	134.171	0.120000
1194.565	134.353	0.120000
1204.565	134.264	0.120000
1214.565	134.129	0.120000
1224.565	134.166	0.120000
1234.565	133.854	0.120000
1244.565	133.771	0.120000
1254.309	133.593	0.120000
1264.309	133.379	0.120000

Proposed Polk City Model (Basins 5-8)  
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1274.309	133.307	0.120000
1284.309	133.273	0.120000
1294.156	133.309	0.120000
1304.156	133.428	0.120000
1314.156	133.522	0.120000
1324.156	133.590	0.120000
1334.156	133.630	0.120000
1344.126	133.517	0.120000
1354.126	133.397	0.120000
1363.731	133.229	0.120000
1373.731	133.131	0.120000
1383.731	133.206	0.120000
1393.731	133.297	0.120000
1403.731	133.441	0.120000
1413.731	133.649	0.120000
1423.290	133.804	0.120000
1433.290	133.844	0.120000
1443.290	133.891	0.120000
1453.290	133.917	0.120000
1463.083	133.928	0.120000
1473.083	133.932	0.120000
1482.560	133.939	0.120000
1492.560	133.934	0.120000
1502.560	133.947	0.120000
1511.660	133.938	0.120000
1521.660	133.885	0.120000
1531.610	133.851	0.120000
1541.610	133.919	0.120000
1551.585	133.954	0.120000
1559.743	134.006	0.120000
1569.743	134.030	0.120000
1579.743	134.030	0.120000
1589.743	134.036	0.120000
1599.743	134.048	0.120000
1609.724	134.087	0.120000
1619.724	134.131	0.120000
1629.724	134.208	0.120000
1639.470	134.273	0.120000
1649.470	134.290	0.120000
1659.352	134.287	0.120000
1669.352	134.212	0.120000
1679.352	134.245	0.120000
1689.352	134.299	0.120000
1699.352	134.425	0.120000
1709.352	134.588	0.120000
1719.352	134.683	0.120000
1728.895	134.725	0.120000
1738.895	134.757	0.120000
1748.895	134.740	0.120000
1758.892	134.740	0.120000
1768.892	134.759	0.120000
1778.728	134.810	0.120000
1788.728	134.888	0.120000
1798.397	134.955	0.120000
1808.397	135.074	0.120000
1818.397	135.229	0.120000
1828.210	135.312	0.120000
1838.210	135.365	0.120000
1847.958	135.381	0.120000
1857.958	135.555	0.120000
1867.958	135.776	0.120000
1877.958	135.353	0.120000
1887.958	135.450	0.120000
1897.958	135.577	0.120000
1907.958	135.781	0.120000
1917.941	135.964	0.120000
1927.941	136.023	0.120000
1937.941	136.218	0.120000
1947.760	136.354	0.120000
1957.760	136.496	0.120000
1967.760	136.555	0.120000
1977.737	136.692	0.120000
1987.737	136.942	0.120000

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
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1997.704	137.080	0.120000
2007.704	137.313	0.120000
2017.704	137.494	0.120000
2027.704	137.653	0.120000
2037.704	137.864	0.120000
2047.703	138.061	0.120000
2057.703	138.258	0.120000
2067.703	138.450	0.120000
2077.703	138.622	0.120000
2087.703	138.758	0.120000
2097.703	138.879	0.120000
2107.026	139.018	0.120000
2117.026	139.382	0.120000
2127.026	139.420	0.120000
2137.026	139.643	0.120000
2147.025	139.845	0.120000
2147.125	157.497	0.120000

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Name: RO14212A                                  Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	140.622	0.120000
0.000	139.845	0.120000
6.114	139.727	0.120000
16.114	139.587	0.120000
25.639	139.520	0.120000
35.639	139.542	0.120000
45.602	139.376	0.120000
55.602	139.395	0.120000
65.602	139.263	0.120000
75.602	139.176	0.120000
85.454	138.973	0.120000
95.454	138.766	0.120000
105.447	138.456	0.120000
115.447	138.004	0.120000
125.447	138.102	0.120000
135.447	137.776	0.120000
145.447	137.736	0.120000
155.336	137.759	0.120000
165.336	137.767	0.120000
175.324	137.667	0.120000
185.324	137.426	0.120000
195.324	137.104	0.120000
205.324	136.885	0.120000
215.324	136.792	0.120000
225.324	136.828	0.120000
235.324	136.756	0.120000
245.324	136.650	0.120000
255.316	136.642	0.120000
265.316	136.337	0.120000
275.316	136.384	0.120000
285.316	136.337	0.120000
295.316	136.031	0.120000
305.316	135.988	0.120000
315.316	135.916	0.120000
325.307	135.915	0.120000
335.307	135.864	0.120000
345.307	135.759	0.120000
355.307	135.721	0.120000
365.304	135.794	0.120000
375.304	135.791	0.120000
385.304	135.623	0.120000
395.290	135.622	0.120000
405.290	135.634	0.120000
415.290	135.971	0.120000
425.290	136.614	0.120000
435.290	136.729	0.120000
435.390	140.622	0.120000

Name: R014220  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	162.089	0.120000
0.000	162.059	0.120000
10.000	162.074	0.120000
20.000	162.089	0.120000
29.738	162.075	0.120000
39.738	162.078	0.120000
49.738	162.048	0.120000
59.738	162.027	0.120000
69.738	162.005	0.120000
79.738	161.981	0.120000
88.575	161.956	0.120000
98.575	161.917	0.120000
108.575	161.873	0.120000
118.575	161.864	0.120000
128.575	161.840	0.120000
138.546	161.652	0.120000
148.546	161.578	0.120000
158.546	161.490	0.120000
168.546	161.544	0.120000
178.385	161.665	0.120000
188.385	161.486	0.120000
198.385	161.394	0.120000
207.623	161.385	0.120000
217.623	161.338	0.120000
227.623	161.254	0.120000
237.623	161.268	0.120000
247.623	161.212	0.120000
257.623	161.155	0.120000
267.623	161.098	0.120000
277.623	161.055	0.120000
287.593	161.031	0.120000
297.593	161.009	0.120000
307.593	160.972	0.120000
317.593	160.909	0.120000
327.593	160.829	0.120000
337.593	160.741	0.120000
347.133	160.636	0.120000
357.133	160.601	0.120000
367.133	160.537	0.120000
377.133	160.514	0.120000
387.133	160.457	0.120000
397.133	160.436	0.120000
406.965	160.379	0.120000
416.965	160.335	0.120000
426.965	160.263	0.120000
436.965	160.179	0.120000
446.965	160.031	0.120000
456.833	160.001	0.120000
466.833	159.826	0.120000
476.833	159.709	0.120000
486.570	159.628	0.120000
496.570	159.609	0.120000
504.940	159.598	0.120000
514.940	159.573	0.120000
524.940	159.525	0.120000
534.940	159.449	0.120000
544.940	159.368	0.120000
554.940	159.247	0.120000
564.940	159.112	0.120000
574.502	159.011	0.120000
584.502	158.908	0.120000
594.500	158.834	0.120000
604.500	158.783	0.120000
614.500	158.685	0.120000

Proposed Polk City Model (Basins 5-8)  
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624.500	158.596	0.120000
634.500	158.382	0.120000
644.500	158.281	0.120000
653.929	158.122	0.120000
663.929	158.023	0.120000
673.929	157.939	0.120000
683.929	157.876	0.120000
693.929	157.815	0.120000
703.929	157.741	0.120000
713.226	157.636	0.120000
723.226	157.512	0.120000
733.226	157.416	0.120000
743.226	157.290	0.120000
753.226	157.070	0.120000
763.226	156.855	0.120000
772.857	156.709	0.120000
782.857	156.573	0.120000
792.857	156.377	0.120000
802.857	156.253	0.120000
812.840	156.117	0.120000
822.840	155.985	0.120000
832.840	155.804	0.120000
842.840	155.664	0.120000
852.840	155.527	0.120000
862.513	155.340	0.120000
872.513	155.119	0.120000
882.513	154.969	0.120000
892.513	154.656	0.120000
902.513	154.513	0.120000
912.409	154.304	0.120000
922.409	154.163	0.120000
932.409	153.979	0.120000
942.196	153.791	0.120000
952.196	153.650	0.120000
962.196	153.410	0.120000
972.196	153.261	0.120000
982.114	153.001	0.120000
992.114	152.793	0.120000
1002.114	152.632	0.120000
1012.114	152.509	0.120000
1022.114	152.434	0.120000
1032.114	152.292	0.120000
1042.114	152.108	0.120000
1052.114	151.924	0.120000
1062.114	151.495	0.120000
1072.114	151.123	0.120000
1082.111	150.850	0.120000
1092.111	150.542	0.120000
1102.111	150.292	0.120000
1112.111	150.058	0.120000
1122.111	149.718	0.120000
1132.111	149.386	0.120000
1142.111	149.076	0.120000
1152.111	148.881	0.120000
1162.111	148.562	0.120000
1172.111	148.242	0.120000
1182.111	147.919	0.120000
1192.111	147.707	0.120000
1202.111	147.492	0.120000
1212.111	147.191	0.120000
1222.111	146.861	0.120000
1232.104	146.506	0.120000
1242.104	146.285	0.120000
1252.104	145.936	0.120000
1262.104	145.709	0.120000
1272.104	145.375	0.120000
1282.104	145.046	0.120000
1292.104	144.653	0.120000
1302.104	144.320	0.120000
1312.104	144.114	0.120000
1322.104	143.785	0.120000
1332.104	143.459	0.120000
1342.104	143.192	0.120000

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
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1352.073	142.838	0.120000
1362.073	142.617	0.120000
1372.073	142.412	0.120000
1382.073	141.916	0.120000
1392.073	141.383	0.120000
1402.070	141.046	0.120000
1412.070	140.356	0.120000
1422.070	140.043	0.120000
1432.070	139.513	0.120000
1442.070	139.006	0.120000
1451.920	138.435	0.120000
1461.920	138.107	0.120000
1471.920	137.779	0.120000
1481.920	137.281	0.120000
1491.920	136.825	0.120000
1501.920	136.388	0.120000
1511.920	136.089	0.120000
1521.892	135.796	0.120000
1531.892	135.423	0.120000
1541.892	135.315	0.120000
1551.892	135.165	0.120000
1561.886	135.071	0.120000
1571.886	135.021	0.120000
1581.886	134.942	0.120000
1591.886	135.075	0.120000
1601.886	134.419	0.120000
1611.886	133.461	0.120000
1620.750	133.117	0.120000
1630.750	132.833	0.120000
1640.750	132.940	0.120000
1650.750	132.970	0.120000
1660.750	132.921	0.120000
1670.620	132.935	0.120000
1680.620	132.920	0.120000
1690.620	132.959	0.120000
1700.620	133.019	0.120000
1710.620	133.059	0.120000
1717.559	133.050	0.120000
1727.559	133.019	0.120000
1737.559	132.899	0.120000
1747.559	132.881	0.120000
1757.559	132.866	0.120000
1767.559	132.860	0.120000
1777.559	132.860	0.120000
1787.445	132.860	0.120000
1797.445	132.860	0.120000
1807.445	132.860	0.120000
1817.445	132.861	0.120000
1827.445	132.850	0.120000
1837.445	132.853	0.120000
1847.444	132.908	0.120000
1857.444	132.918	0.120000
1867.444	132.889	0.120000
1877.444	132.871	0.120000
1887.212	132.802	0.120000
1897.212	132.742	0.120000
1907.212	132.760	0.120000
1916.517	132.746	0.120000
1926.517	132.728	0.120000
1936.517	132.725	0.120000
1946.340	132.720	0.120000
1956.340	132.699	0.120000
1966.340	132.669	0.120000
1976.340	132.650	0.120000
1983.928	132.689	0.120000
1993.928	132.736	0.120000
2003.928	132.851	0.120000
2013.126	133.412	0.120000
2023.126	134.136	0.120000
2033.126	134.632	0.120000
2043.126	135.226	0.120000
2052.585	135.362	0.120000
2062.585	135.683	0.120000

Proposed Polk City Model (Basins 5-8)  
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2072.585	135.734	0.120000
2082.585	135.728	0.120000
2092.403	135.855	0.120000
2102.403	135.662	0.120000
2112.403	135.616	0.120000
2122.403	135.589	0.120000
2132.403	135.846	0.120000
2142.403	136.201	0.120000
2152.392	136.473	0.120000
2162.392	136.697	0.120000
2172.392	136.865	0.120000
2182.392	137.114	0.120000
2192.392	137.320	0.120000
2202.392	137.566	0.120000
2212.392	137.809	0.120000
2222.262	138.071	0.120000
2232.262	138.212	0.120000
2242.262	138.285	0.120000
2252.262	138.497	0.120000
2262.262	138.722	0.120000
2272.262	138.872	0.120000
2282.225	139.050	0.120000
2282.325	162.089	0.120000

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 Name: RO14220A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	162.550	0.120000
0.000	157.879	0.120000
2.252	157.879	0.120000
12.252	157.808	0.120000
22.252	157.706	0.120000
32.252	157.575	0.120000
42.252	157.425	0.120000
52.252	157.273	0.120000
62.252	157.145	0.120000
72.252	157.001	0.120000
82.252	156.803	0.120000
92.252	156.699	0.120000
102.252	156.460	0.120000
112.252	156.170	0.120000
122.252	155.852	0.120000
132.252	155.556	0.120000
142.210	155.258	0.120000
152.210	154.949	0.120000
162.210	154.597	0.120000
172.210	154.233	0.120000
182.210	153.876	0.120000
192.210	153.517	0.120000
202.210	153.147	0.120000
212.150	152.762	0.120000
222.150	152.402	0.120000
232.150	152.026	0.120000
242.150	151.659	0.120000
252.150	151.273	0.120000
262.150	150.978	0.120000
272.150	150.592	0.120000
282.150	150.260	0.120000
292.150	149.879	0.120000
302.150	149.523	0.120000
312.067	149.174	0.120000
322.067	148.869	0.120000
332.067	148.425	0.120000
342.067	147.936	0.120000
352.067	147.583	0.120000
362.067	147.002	0.120000
372.067	146.710	0.120000
382.067	146.119	0.120000



Proposed Polk City Model (Basins 5-8)  
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392.067	145.650	0.120000
402.062	145.011	0.120000
412.062	144.736	0.120000
422.062	144.096	0.120000
432.062	143.458	0.120000
442.062	143.055	0.120000
452.062	142.660	0.120000
462.062	142.471	0.120000
472.028	142.155	0.120000
482.028	141.898	0.120000
492.028	141.843	0.120000
502.028	141.691	0.120000
512.028	141.695	0.120000
522.028	141.622	0.120000
532.028	141.531	0.120000
542.023	141.467	0.120000
552.023	141.346	0.120000
562.023	141.274	0.120000
572.023	141.551	0.120000
582.023	141.298	0.120000
592.023	141.316	0.120000
602.023	141.325	0.120000
612.009	141.338	0.120000
622.009	141.340	0.120000
632.009	141.289	0.120000
642.009	141.216	0.120000
652.009	141.089	0.120000
662.009	140.980	0.120000
672.009	140.933	0.120000
682.009	140.876	0.120000
691.977	140.770	0.120000
701.977	140.627	0.120000
711.977	140.523	0.120000
721.977	140.507	0.120000
731.977	140.351	0.120000
741.977	140.276	0.120000
751.977	140.211	0.120000
761.977	140.098	0.120000
771.937	140.041	0.120000
781.937	140.000	0.120000
791.937	140.044	0.120000
801.937	140.155	0.120000
811.937	140.270	0.120000
821.937	140.323	0.120000
831.937	140.574	0.120000
841.937	140.725	0.120000
851.937	140.765	0.120000
861.937	140.797	0.120000
871.937	140.821	0.120000
881.937	140.942	0.120000
891.937	141.100	0.120000
901.937	141.182	0.120000
911.937	141.374	0.120000
921.937	141.466	0.120000
931.937	141.592	0.120000
941.917	141.863	0.120000
951.917	142.049	0.120000
961.917	142.388	0.120000
971.917	142.592	0.120000
981.917	143.020	0.120000
991.917	143.595	0.120000
1001.920	143.933	0.120000
1011.920	144.486	0.120000
1021.920	144.825	0.120000
1031.920	145.421	0.120000
1041.920	146.016	0.120000
1051.920	146.422	0.120000
1061.920	146.979	0.120000
1071.920	147.531	0.120000
1081.920	147.860	0.120000
1091.920	148.384	0.120000
1101.920	148.791	0.120000
1111.920	149.380	0.120000

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1121.920	149.688	0.120000
1131.920	150.134	0.120000
1141.920	150.530	0.120000
1151.920	150.748	0.120000
1161.920	151.180	0.120000
1171.920	151.535	0.120000
1181.920	152.157	0.120000
1191.920	152.448	0.120000
1201.920	152.701	0.120000
1211.920	152.928	0.120000
1221.920	153.271	0.120000
1231.730	153.540	0.120000
1241.730	153.854	0.120000
1251.730	154.192	0.120000
1261.730	154.548	0.120000
1271.730	154.853	0.120000
1281.730	155.023	0.120000
1291.730	155.324	0.120000
1301.730	155.662	0.120000
1311.730	155.977	0.120000
1321.730	156.292	0.120000
1331.730	156.641	0.120000
1341.600	156.936	0.120000
1351.600	157.234	0.120000
1361.600	157.460	0.120000
1371.600	157.776	0.120000
1381.600	158.083	0.120000
1391.600	158.266	0.120000
1401.600	158.549	0.120000
1411.600	158.815	0.120000
1421.600	158.982	0.120000
1431.600	159.234	0.120000
1441.600	159.425	0.120000
1451.600	159.545	0.120000
1461.570	159.722	0.120000
1471.570	159.916	0.120000
1481.570	160.091	0.120000
1491.570	160.249	0.120000
1501.570	160.446	0.120000
1511.570	160.560	0.120000
1521.570	160.663	0.120000
1531.570	160.794	0.120000
1541.570	160.958	0.120000
1551.570	161.083	0.120000
1561.570	161.257	0.120000
1571.570	161.314	0.120000
1581.380	161.347	0.120000
1591.380	161.403	0.120000
1601.380	161.367	0.120000
1611.380	161.509	0.120000
1621.380	161.540	0.120000
1631.380	161.666	0.120000
1641.380	161.821	0.120000
1651.380	162.092	0.120000
1661.380	162.364	0.120000
1671.380	162.550	0.120000
1681.370	162.356	0.120000
1691.370	162.132	0.120000
1701.370	162.047	0.120000
1711.370	162.050	0.120000
4774.040	137.390	0.120000
4784.040	137.343	0.120000
4794.040	137.370	0.120000
4804.040	137.395	0.120000
4814.040	137.329	0.120000
4824.040	137.364	0.120000
4834.040	137.367	0.120000
4844.040	137.308	0.120000
4854.040	137.301	0.120000
4864.040	137.299	0.120000
4874.040	137.314	0.120000
4884.040	137.322	0.120000
4894.040	137.310	0.120000

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4904.040	137.437	0.120000
4914.040	137.282	0.120000
4924.040	137.294	0.120000
4934.040	137.387	0.120000
4944.040	137.250	0.120000
4954.040	137.220	0.120000
4964.040	137.266	0.120000
4974.040	137.252	0.120000
4984.040	137.330	0.120000
4994.040	137.415	0.120000
5004.040	137.259	0.120000
5014.040	137.307	0.120000
5024.040	137.263	0.120000
5034.040	137.285	0.120000
5044.040	137.335	0.120000
5054.040	137.295	0.120000
5064.040	137.330	0.120000
5074.040	137.433	0.120000
5084.040	137.280	0.120000
5094.040	137.215	0.120000
5104.040	137.269	0.120000
5114.040	137.270	0.120000
5124.040	137.191	0.120000
5134.040	137.197	0.120000
5144.040	137.225	0.120000
5154.040	137.188	0.120000
5164.040	137.163	0.120000
5174.040	137.143	0.120000
5184.040	137.204	0.120000
5194.040	137.179	0.120000
5204.020	137.123	0.120000
5214.020	137.089	0.120000
5224.020	137.008	0.120000
5233.940	136.926	0.120000
5243.940	136.942	0.120000
5253.940	136.907	0.120000
5263.940	136.862	0.120000
5273.920	136.858	0.120000
5283.920	136.829	0.120000
5293.920	136.904	0.120000
5303.920	136.871	0.120000
5313.920	136.808	0.120000
5323.920	136.844	0.120000
5333.920	136.816	0.120000
5343.920	136.784	0.120000
5353.920	136.841	0.120000
5363.920	136.904	0.120000
5373.920	136.954	0.120000
5383.920	136.979	0.120000
5393.920	137.033	0.120000
5403.920	137.029	0.120000
5413.920	137.130	0.120000
5423.920	137.063	0.120000
5433.920	137.071	0.120000
5443.920	137.052	0.120000
5453.920	137.088	0.120000
5463.920	137.128	0.120000
5473.920	137.219	0.120000
5483.920	137.047	0.120000
5493.920	137.191	0.120000
5503.920	137.213	0.120000
5513.920	137.173	0.120000
5523.920	137.145	0.120000
5533.920	137.130	0.120000
5543.920	137.149	0.120000
5553.920	137.082	0.120000
5563.920	137.110	0.120000
5573.920	137.087	0.120000
5583.920	137.077	0.120000
5593.900	137.094	0.120000
5603.900	137.063	0.120000
5613.900	137.070	0.120000
5623.900	137.095	0.120000

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5633.900	137.101	0.120000
5643.900	137.175	0.120000
5653.880	137.116	0.120000
5663.880	137.079	0.120000
5673.880	137.095	0.120000
5683.880	137.074	0.120000
5693.880	137.052	0.120000
5703.880	137.039	0.120000
5713.880	137.021	0.120000
5723.880	136.994	0.120000
5733.880	136.912	0.120000
5743.880	136.823	0.120000
5753.880	136.771	0.120000
5763.880	136.784	0.120000
5773.880	136.761	0.120000
5783.880	136.731	0.120000
5793.560	136.702	0.120000
5793.660	162.550	0.120000

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Name: R014230A  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.080	0.120000
0.000	136.096	0.120000
1.017	136.096	0.120000
11.017	136.080	0.120000
21.017	136.099	0.120000
31.017	136.179	0.120000
41.017	136.518	0.120000
50.886	137.043	0.120000
60.886	137.311	0.120000
70.125	137.174	0.120000
80.125	137.101	0.120000
90.125	137.070	0.120000
99.885	136.847	0.120000
109.885	137.388	0.120000
119.866	137.428	0.120000
129.838	137.405	0.120000
139.838	137.460	0.120000
149.213	137.559	0.120000
159.213	137.633	0.120000
168.868	137.765	0.120000
178.868	137.918	0.120000
188.868	137.968	0.120000
198.289	138.323	0.120000
207.860	138.364	0.120000
217.860	138.296	0.120000
227.860	138.289	0.120000
236.950	138.209	0.120000
246.950	138.176	0.120000
256.950	138.194	0.120000
264.177	138.121	0.120000
274.177	138.488	0.120000
283.822	138.320	0.120000
293.822	138.684	0.120000
301.334	138.672	0.120000
311.334	138.353	0.120000
321.119	138.292	0.120000
331.119	138.254	0.120000
341.119	138.275	0.120000
351.105	138.286	0.120000
361.105	138.336	0.120000
368.471	138.393	0.120000
368.571	141.080	0.120000

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Name: R014230B  
Encroachment: No

Group: BASE

Proposed Polk City Model (Basins 5-8)  
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Station(ft)	Elevation(ft)	Manning's N
-0.100	140.673	0.120000
0.000	137.413	0.120000
6.983	137.077	0.120000
16.977	136.553	0.120000
26.977	136.298	0.120000
36.949	136.057	0.120000
46.949	135.803	0.120000
56.860	135.926	0.120000
66.860	135.745	0.120000
76.857	135.886	0.120000
86.857	136.126	0.120000
96.857	136.127	0.120000
106.197	136.090	0.120000
116.176	136.044	0.120000
126.176	135.976	0.120000
136.176	135.940	0.120000
146.022	135.759	0.120000
156.022	135.707	0.120000
166.022	135.673	0.120000
175.854	135.748	0.120000
185.854	135.782	0.120000
195.854	135.800	0.120000
205.853	135.922	0.120000
215.853	136.131	0.120000
225.853	136.096	0.120000
225.953	140.673	0.120000

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Name: RO14230D                                  Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	141.087	0.120000
0.000	137.673	0.120000
10.000	137.460	0.120000
20.000	137.175	0.120000
30.000	136.829	0.120000
39.984	136.574	0.120000
49.984	136.496	0.120000
59.984	136.205	0.120000
69.984	136.087	0.120000
79.984	136.340	0.120000
89.984	136.537	0.120000
99.984	136.632	0.120000
109.984	136.717	0.120000
119.984	136.779	0.120000
129.984	136.934	0.120000
139.984	137.045	0.120000
149.984	137.133	0.120000
159.984	137.263	0.120000
169.984	137.372	0.120000
179.984	137.475	0.120000
189.984	137.617	0.120000
199.984	137.806	0.120000
209.984	138.003	0.120000
219.984	138.163	0.120000
229.984	138.246	0.120000
239.984	138.315	0.120000
249.984	138.344	0.120000
259.984	138.374	0.120000
269.574	138.393	0.120000
269.674	141.087	0.120000

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Name: RO14240A                                  Group: BASE

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Proposed Polk City Model (Basins 5-8)  
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Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.870	0.120000
0.000	135.348	0.120000
3.427	135.374	0.120000
13.427	135.022	0.120000
23.427	134.772	0.120000
33.097	134.712	0.120000
41.392	134.661	0.120000
51.392	134.729	0.120000
60.757	134.810	0.120000
70.757	134.846	0.120000
80.757	134.873	0.120000
90.745	134.699	0.120000
100.745	134.549	0.120000
110.745	134.347	0.120000
120.745	134.114	0.120000
130.742	134.186	0.120000
140.742	133.925	0.120000
150.742	133.870	0.120000
160.742	133.894	0.120000
170.742	133.960	0.120000
180.742	133.960	0.120000
190.742	133.962	0.120000
200.457	133.920	0.120000
210.457	133.975	0.120000
220.401	134.045	0.120000
230.401	134.226	0.120000
240.401	134.427	0.120000
247.109	134.568	0.120000
257.109	134.309	0.120000
264.391	134.657	0.120000
274.391	134.597	0.120000
282.735	134.793	0.120000
292.735	135.164	0.120000
301.437	134.785	0.120000
311.437	134.997	0.120000
321.437	135.192	0.120000
331.333	135.357	0.120000
341.333	135.311	0.120000
341.433	138.870	0.120000

Name: R014240B                      Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	138.277	0.120000
0.000	135.311	0.120000
6.245	135.319	0.120000
16.245	135.348	0.120000
26.245	135.388	0.120000
36.015	135.388	0.120000
46.015	135.387	0.120000
56.015	135.566	0.120000
66.006	135.598	0.120000
75.964	135.478	0.120000
85.964	135.408	0.120000
95.962	135.527	0.120000
105.962	135.368	0.120000
115.947	134.948	0.120000
125.947	134.812	0.120000
135.947	134.615	0.120000
145.936	134.381	0.120000
155.722	134.429	0.120000
165.605	134.613	0.120000

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175.505	134.716	0.120000
185.505	134.518	0.120000
195.432	134.203	0.120000
205.432	133.641	0.120000
215.361	133.277	0.120000
225.361	133.402	0.120000
235.361	133.608	0.120000
245.345	133.703	0.120000
255.345	133.625	0.120000
265.345	133.554	0.120000
275.345	133.600	0.120000
285.345	133.624	0.120000
295.256	133.744	0.120000
305.256	133.844	0.120000
315.256	134.056	0.120000
325.256	134.327	0.120000
335.099	134.305	0.120000
345.099	134.140	0.120000
355.099	134.115	0.120000
365.099	134.265	0.120000
375.099	134.434	0.120000
385.099	134.498	0.120000
394.357	134.486	0.120000
404.357	134.715	0.120000
414.357	134.921	0.120000
424.357	135.303	0.120000
433.738	135.144	0.120000
443.738	135.118	0.120000
453.738	135.322	0.120000
463.724	135.375	0.120000
473.724	135.348	0.120000
473.824	138.277	0.120000

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 Name: RO14250A  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.438	0.120000
0.000	138.538	0.120000
0.419	138.538	0.120000
10.419	138.529	0.120000
19.983	138.582	0.120000
29.570	138.632	0.120000
39.554	138.534	0.120000
49.554	138.479	0.120000
59.513	138.419	0.120000
69.513	138.407	0.120000
79.139	138.373	0.120000
89.139	138.315	0.120000
99.131	138.257	0.120000
109.131	138.208	0.120000
119.080	138.124	0.120000
129.048	138.018	0.120000
139.048	138.153	0.120000
148.251	138.326	0.120000
158.251	138.732	0.120000
168.251	138.286	0.120000
178.219	137.950	0.120000
188.219	137.646	0.120000
198.219	137.644	0.120000
208.219	137.656	0.120000
218.219	137.679	0.120000
227.835	137.655	0.120000
237.835	137.535	0.120000
247.823	137.461	0.120000
257.704	137.438	0.120000
267.704	137.478	0.120000
277.704	137.618	0.120000
277.804	142.438	0.120000

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Name: R014250B                                    Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-0.100	142.112	0.120000
0.000	139.562	0.120000
1.153	139.562	0.120000
11.153	139.432	0.120000
21.153	139.322	0.120000
31.153	139.304	0.120000
41.153	139.247	0.120000
51.153	139.199	0.120000
60.416	139.165	0.120000
70.416	139.128	0.120000
80.416	139.023	0.120000
90.416	138.908	0.120000
100.416	138.828	0.120000
110.416	138.652	0.120000
120.411	138.528	0.120000
130.411	138.385	0.120000
140.411	138.327	0.120000
150.411	138.186	0.120000
160.411	138.160	0.120000
170.316	138.150	0.120000
180.316	138.061	0.120000
190.316	137.910	0.120000
200.316	137.799	0.120000
210.316	137.708	0.120000
220.316	137.683	0.120000
230.316	137.622	0.120000
240.264	137.534	0.120000
250.264	137.465	0.120000
260.264	137.393	0.120000
270.264	137.301	0.120000
280.264	137.189	0.120000
290.264	137.112	0.120000
300.264	137.120	0.120000
310.264	137.147	0.120000
320.264	137.213	0.120000
330.264	137.219	0.120000
340.264	137.308	0.120000
350.264	137.357	0.120000
360.210	137.328	0.120000
370.210	137.344	0.120000
380.210	137.325	0.120000
390.210	137.582	0.120000
400.210	137.541	0.120000
409.930	137.647	0.120000
419.930	137.726	0.120000
429.930	137.635	0.120000
439.915	137.577	0.120000
449.915	137.502	0.120000
459.915	137.439	0.120000
469.915	137.429	0.120000
479.740	137.204	0.120000
489.740	137.184	0.120000
499.740	137.363	0.120000
509.740	138.388	0.120000
509.840	142.112	0.120000

Name: R014250C                                    Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
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Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

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-0.100	140.366	0.120000
0.000	137.618	0.120000
2.759	137.618	0.120000
12.759	137.536	0.120000
22.759	137.507	0.120000
32.759	137.440	0.120000
42.750	137.399	0.120000
52.750	137.325	0.120000
62.750	137.317	0.120000
72.750	137.239	0.120000
82.714	137.052	0.120000
92.714	136.566	0.120000
102.552	136.311	0.120000
112.552	136.331	0.120000
122.552	136.404	0.120000
132.552	136.407	0.120000
142.552	136.367	0.120000
152.552	136.232	0.120000
162.552	136.146	0.120000
172.539	136.070	0.120000
182.539	135.928	0.120000
192.539	135.528	0.120000
202.539	135.480	0.120000
212.539	135.439	0.120000
222.539	135.407	0.120000
232.539	135.388	0.120000
242.539	135.366	0.120000
252.536	135.509	0.120000
262.536	135.755	0.120000
272.536	135.510	0.120000
282.536	135.524	0.120000
292.438	135.517	0.120000
302.438	135.502	0.120000
312.438	135.662	0.120000
322.438	135.685	0.120000
332.438	135.822	0.120000
342.420	136.079	0.120000
352.420	136.250	0.120000
361.848	136.503	0.120000
371.848	136.848	0.120000
381.848	137.020	0.120000
391.848	137.265	0.120000
401.848	137.443	0.120000
411.848	137.646	0.120000
421.799	137.744	0.120000
431.799	138.061	0.120000
441.799	138.266	0.120000
451.799	138.203	0.120000
461.489	138.381	0.120000
471.489	138.566	0.120000
481.489	138.640	0.120000
491.489	138.705	0.120000
501.489	138.787	0.120000
511.489	138.953	0.120000
521.489	139.123	0.120000
531.433	139.250	0.120000
541.433	139.244	0.120000
551.433	139.282	0.120000
561.433	139.326	0.120000
571.433	139.466	0.120000
581.433	139.562	0.120000
581.533	140.366	0.120000

=====  
 Pipes  
 =====

Name: RH8200A	From Node: NH8000	Length(ft): 90.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry: Rectangular	Rectangular	Flow: Both
Span(in): 120.00	120.00	Entrance Loss Coef: 0.50

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Rise(in): 49.20	49.20	Exit Loss Coef: 1.00
Invert(ft): 129.730	129.690	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

dimensions from survey  
 estimated pipe length of 90'  
 NAVD88

Name: RH8200C	From Node: NH8000	Length(ft): 90.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Rectangular	Rectangular	Entrance Loss Coef: 0.50
Span(in): 120.00	120.00	Exit Loss Coef: 1.00
Rise(in): 49.20	49.20	Bend Loss Coef: 0.00
Invert(ft): 129.730	129.690	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

dimensions from survey  
 estimated pipe length of 90'  
 NAVD88

Name: RH8200D	From Node: NH8000	Length(ft): 90.00
Group: BASE	To Node: NH8105	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Rectangular	Rectangular	Entrance Loss Coef: 0.50
Span(in): 120.00	120.00	Exit Loss Coef: 1.00
Rise(in): 49.20	49.20	Bend Loss Coef: 0.00
Invert(ft): 129.730	129.690	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

dimensions from survey  
 estimated pipe length of 90'  
 NAVD88

Name: RHH81052A	From Node: NHH81052	Length(ft): 150.00
Group: BASE	To Node: NH8105	Count: 1

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	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
	Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
	Span(in): 18.00	18.00	Flow: Both
	Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
	Invert(ft): 133.120	131.930	Exit Loss Coef: 0.00
	Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
	Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
	Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
			Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

dimensions from survey  
NAVD88

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Name: RHH81052C	From Node: NHH81052	Length(ft): 150.00	
Group: BASE	To Node: NH8105	Count: 1	
	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
	Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
	Span(in): 18.00	18.00	Flow: Both
	Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
	Invert(ft): 133.120	131.930	Exit Loss Coef: 0.00
	Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
	Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
	Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
			Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

dimensions from survey  
NAVD88

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Name: RHH81053A	From Node: NHH81053	Length(ft): 120.00	
Group: BASE	To Node: NHH8120	Count: 1	
	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
	Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
	Span(in): 18.00	18.00	Flow: Both
	Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
	Invert(ft): 134.310	134.220	Exit Loss Coef: 0.00
	Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
	Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
	Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
			Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

dimensions from survey  
NAVD88

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Name: RHH81053B	From Node: NHH81053	Length(ft): 120.00
Group: BASE	To Node: NHH8120	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
Invert(ft): 137.080	134.350	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81054A	From Node: NHH81054	Length(ft): 55.00
Group: BASE	To Node: NH8105	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
Invert(ft): 134.840	134.240	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 NAVD88

Name: RHH81161D_CD08	From Node: NHH8116	Length(ft): 216.00
Group: BASE	To Node: BNDRY20	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.90
Invert(ft): 129.200	128.700	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dn or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Name: RHH81161E_CD08	From Node: NHH8116	Length(ft): 216.00
Group: BASE	To Node: BNDRY20	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.90
Invert(ft): 129.200	128.700	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH81161F_CD08	From Node: NHH8116	Length(ft): 216.00
Group: BASE	To Node: BNDRY20	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.90
Invert(ft): 129.200	128.700	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH8116B	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 42.00	42.00	Flow: Both
Rise(in): 42.00	42.00	Entrance Loss Coef: 0.90
Invert(ft): 128.570	128.270	Exit Loss Coef: 1.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dn or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116C	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
		Solution Algorithm: Most Restrictive

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Flow: Both
Span(in): 36.00	36.00	Entrance Loss Coef: 0.90
Rise(in): 36.00	36.00	Exit Loss Coef: 1.00
Invert(ft): 128.370	128.350	Bend Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116D	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 12.00	12.00	Exit Loss Coef: 1.00
Rise(in): 12.00	12.00	Bend Loss Coef: 0.00
Invert(ft): 129.830	129.090	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116E	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 24.00	24.00	Exit Loss Coef: 1.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 129.600	129.500	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH8116F	From Node: NH8105	Length(ft): 45.00
Group: BASE	To Node: NHH8116	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 30.00	30.00	Exit Loss Coef: 1.00
Rise(in): 30.00	30.00	Bend Loss Coef: 0.00
Invert(ft): 127.970	127.960	

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120409

Name: RHH81171B_CD10	From Node: NHH81171	Length(ft): 206.00
Group: BASE	To Node: NO14000	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Horz Ellipse	Horz Ellipse	Solution Algorithm: Most Restrictive
Span(in): 68.00	68.00	Flow: Both
Rise(in): 43.00	43.00	Entrance Loss Coef: 0.90
Invert(ft): 132.000	130.600	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:  
 Horizontal Ellipse Concrete: Square edge with headwall

Name: RHH81172C_CD05	From Node: NHH81172	Length(ft): 125.00
Group: BASE	To Node: BNDRY20	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.50
Invert(ft): 131.800	131.400	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH81172D	From Node: NHH81172	Length(ft): 93.00
Group: BASE	To Node: NHH81173	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.50
Invert(ft): 132.400	132.040	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

dimensions from survey  
 estimated culvert length of 93'  
 NAVD88

Name: RHH8117B_CD06	From Node: NHH8117	Length(ft): 221.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 30.00	30.00	Exit Loss Coef: 1.00
Rise(in): 30.00	30.00	Bend Loss Coef: 0.00
Invert(ft): 128.600	128.400	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH8117C_CD07	From Node: NHH8117	Length(ft): 215.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 18.00	18.00	Exit Loss Coef: 1.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 128.500	128.200	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH8117D_CD07	From Node: NHH8117	Length(ft): 215.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.90
Span(in): 18.00	18.00	Exit Loss Coef: 1.00
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 128.500	128.200	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	



Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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Name: RHH8117E_CD06	From Node: NHH8117	Length(ft): 221.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.600	128.400	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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Name: RHH8117F_CD06	From Node: NHH8117	Length(ft): 221.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.600	128.400	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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Name: RHH8117G_CD06	From Node: NHH8117	Length(ft): 221.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.600	128.400	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Name: RHH8117H_CD07	From Node: NHH8117	Length(ft): 215.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 18.00	18.00	Bend Loss Coef: 0.00
Rise(in): 18.00	18.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.500	128.200	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH8117I_CD07	From Node: NHH8117	Length(ft): 215.00
Group: BASE	To Node: BNDRY20	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.90
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 18.00	18.00	Bend Loss Coef: 0.00
Rise(in): 18.00	18.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.500	128.200	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: RHH8118	From Node: NHH8118	Length(ft): 125.00
Group: BASE	To Node: NHH811871	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 0.00
Span(in): 36.00	36.00	Bend Loss Coef: 0.00
Rise(in): 36.00	36.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 128.910	128.850	Inlet Ctrl Spec: Use dc
Manning's N: 0.011000	0.011000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 234, S518

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-----
Name: RHH81181B          From Node: NHH81180          Length(ft): 1640.00
Group: BASE              To Node: NHH81181          Count: 1
                          Friction Equation: Automatic
                          Solution Algorithm: Most Restrictive
                          Flow: Both
UPSTREAM                DOWNSTREAM
Geometry: Horz Ellipse  Horz Ellipse
Span(in): 45.00         45.00
Rise(in): 29.00         29.00
Invert(ft): 129.000    127.700
Manning's N: 0.012000  0.012000
Top Clip(in): 0.000    0.000
Bot Clip(in): 0.000    0.000
Entrance Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:  
 Horizontal Ellipse Concrete: Square edge with headwall

```

-----
Name: RHH811841          From Node: NHH811841          Length(ft): 125.00
Group: BASE              To Node: BNDRY22            Count: 1
                          Friction Equation: Automatic
                          Solution Algorithm: Most Restrictive
                          Flow: Both
UPSTREAM                DOWNSTREAM
Geometry: Circular      Circular
Span(in): 24.00         24.00
Rise(in): 24.00         24.00
Invert(ft): 129.370    128.970
Manning's N: 0.011000  0.011000
Top Clip(in): 0.000    0.000
Bot Clip(in): 0.000    0.000
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 230, S511

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-----
Name: RHH811851          From Node: NHH811851          Length(ft): 125.00
Group: BASE              To Node: NH8105             Count: 1
                          Friction Equation: Automatic
                          Solution Algorithm: Most Restrictive
                          Flow: Both
UPSTREAM                DOWNSTREAM
Geometry: Circular      Circular
Span(in): 24.00         24.00
Rise(in): 24.00         24.00
Invert(ft): 131.790    131.300
Manning's N: 0.011000  0.011000
Top Clip(in): 0.000    0.000
Bot Clip(in): 0.000    0.000
Entrance Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 230, S510

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Name: RHH811861	From Node: NHH811861	Length(ft): 125.00
Group: BASE	To Node: NHH8118	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.50
Invert(ft): 129.000	128.950	Exit Loss Coef: 1.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S519

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Name: RHH811871	From Node: NHH811871	Length(ft): 125.00
Group: BASE	To Node: BNDRY23	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 128.850	128.790	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S518

---

Name: RHH811871B	From Node: NHH811871	Length(ft): 125.00
Group: BASE	To Node: BNDRY23	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 128.850	128.790	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S518

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Name: RHH811881	From Node: NHH81188	Length(ft): 125.00
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Group: BASE	To Node: BNDRY23	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 30.00	30.00	Exit Loss Coef: 0.00
Rise(in): 30.00	30.00	Bend Loss Coef: 0.00
Invert(ft): 128.460	128.360	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 234, S517

Name: RHH8118D	From Node: NHH8118	Length(ft): 125.00
Group: BASE	To Node: NHH811871	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 36.00	36.00	Exit Loss Coef: 0.00
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 128.910	128.850	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 234, S518

Name: RHH8125	From Node: NHH8125	Length(ft): 125.00
Group: BASE	To Node: NHH811851	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 24.00	24.00	Exit Loss Coef: 0.00
Rise(in): 24.00	24.00	Bend Loss Coef: 0.00
Invert(ft): 132.280	131.790	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.011000	0.011000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 230, S510

Name: RHH8145	From Node: NHH8145	Length(ft): 125.00
Group: BASE	To Node: NHH811841	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
			Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.50
Rise(in):	24.00	24.00	Exit Loss Coef: 0.00
Invert(ft):	129.770	129.370	Bend Loss Coef: 0.00
Manning's N:	0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 230, S511

Name: RHH8150B	From Node: NHH8150	Length(ft): 150.00
Group: BASE	To Node: NHH8119	Count: 1
	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	133.140	131.820
Manning's N:	0.011000	0.011000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.50
		Exit Loss Coef: 1.00
		Bend Loss Coef: 0.00
		Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 232, Pipe inverts were approximated using profile view  
 \*\*Downstream invert seems lower than the DEM

Name: RHH8160	From Node: NHH8160	Length(ft): 125.00
Group: BASE	To Node: NHH81188	Count: 1
	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	30.00	30.00
Rise(in):	30.00	30.00
Invert(ft):	128.570	128.460
Manning's N:	0.011000	0.011000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.50
		Exit Loss Coef: 0.00
		Bend Loss Coef: 0.00
		Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF001-005  
 pg 234, S517

Name: RHH8165A	From Node: NHH8165	Length(ft): 126.00
Group: BASE	To Node: NHH8145	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
	Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
	Span(in): 24.00	24.00	Flow: Both
	Rise(in): 24.00	24.00	Entrance Loss Coef: 0.50
	Invert(ft): 132.490	131.340	Exit Loss Coef: 0.00
	Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
	Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
	Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
			Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 347

Name: RHH8165B	From Node: NHH8165	Length(ft): 126.00
Group: BASE	To Node: NHH8145	Count: 1
	UPSTREAM	DOWNSTREAM
	Geometry: Circular	Circular
	Span(in): 24.00	24.00
	Rise(in): 24.00	24.00
	Invert(ft): 132.490	131.340
	Manning's N: 0.011000	0.011000
	Top Clip(in): 0.000	0.000
	Bot Clip(in): 0.000	0.000
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.50
		Exit Loss Coef: 0.00
		Bend Loss Coef: 0.00
		Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 347

Name: RHH8170B	From Node: NHH8170	Length(ft): 397.00
Group: BASE	To Node: NHH8120	Count: 1
	UPSTREAM	DOWNSTREAM
	Geometry: Circular	Circular
	Span(in): 24.00	24.00
	Rise(in): 24.00	24.00
	Invert(ft): 137.220	134.140
	Manning's N: 0.011000	0.011000
	Top Clip(in): 0.000	0.000
	Bot Clip(in): 0.000	0.000
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
		Entrance Loss Coef: 0.50
		Exit Loss Coef: 0.00
		Bend Loss Coef: 0.00
		Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

REF002-100  
 pg 346 and 347

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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Name: RHH8175	From Node: NHH8175	Length(ft): 66.00
Group: BASE	To Node: NHH8170	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
Invert(ft): 133.640	133.040	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF002-100  
pg 347

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Name: RHH8180A	From Node: NHH8180	Length(ft): 185.00
Group: BASE	To Node: NHH8175	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
Invert(ft): 136.720	133.640	Exit Loss Coef: 0.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF002-100  
pg 347  
S-15

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Name: RHH8181B_CD09	From Node: NHH8181	Length(ft): 168.00
Group: BASE	To Node: NHH81180	Count: 1
UPSTREAM	DOWNSREAM	Friction Equation: Automatic
Geometry: Horz Ellipse	Horz Ellipse	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 19.00	19.00	Entrance Loss Coef: 0.90
Invert(ft): 130.300	129.000	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:  
Horizontal Ellipse Concrete: Square edge with headwall

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01/23/2023



Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

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Name: RHH8181C_CD09	From Node: NHH8181	Length(ft): 168.00
Group: BASE	To Node: NHH81180	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Horz Ellipse	Horz Ellipse	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 19.00	19.00	Entrance Loss Coef: 0.90
Invert(ft): 130.300	129.000	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:  
Horizontal Ellipse Concrete: Square edge with headwall

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Name: RHH8190	From Node: NHH8190	Length(ft): 125.00
Group: BASE	To Node: NHH811861	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.50
Invert(ft): 129.060	129.000	Exit Loss Coef: 1.00
Manning's N: 0.011000	0.011000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

REF001-005  
pg 234, S519

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Name: R014136B	From Node: NO14136	Length(ft): 26.00
Group: BASE	To Node: NO14230	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 12.00	12.00	Flow: Both
Rise(in): 12.00	12.00	Entrance Loss Coef: 0.50
Invert(ft): 134.240	134.080	Exit Loss Coef: 1.00
Manning's N: 0.022000	0.022000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Survey Data

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Name: R014212B	From Node: NO14212	Length(ft): 90.00
Group: BASE	To Node: NO14220	Count: 1

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01/23/2023

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Complete Input Report

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
			Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.90
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	132.090	131.770	Bend Loss Coef: 0.00
Manning's N:	0.022000	0.022000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Pipe data obtained through survey on 120109

Name:	R014220B_CD04	From Node:	N014220	Length(ft):	156.00
Group:	BASE	To Node:	BNDRY20	Count:	1
	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic		
Geometry:	Rectangular	Rectangular	Solution Algorithm: Most Restrictive		
Span(in):	120.00	120.00	Flow: Both		
Rise(in):	36.00	36.00	Entrance Loss Coef: 0.90		
Invert(ft):	130.000	129.800	Exit Loss Coef: 1.00		
Manning's N:	0.013000	0.013000	Bend Loss Coef: 0.00		
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec: Use dc or tw		
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc		
			Stabilizer Option: None		

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

10'W x 3'H Box Culvert

Name:	R014230C	From Node:	N014230	Length(ft):	22.00
Group:	BASE	To Node:	N014220	Count:	1
	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic		
Geometry:	Circular	Circular	Solution Algorithm: Most Restrictive		
Span(in):	12.00	12.00	Flow: Both		
Rise(in):	12.00	12.00	Entrance Loss Coef: 0.50		
Invert(ft):	133.580	133.440	Exit Loss Coef: 0.00		
Manning's N:	0.022000	0.022000	Bend Loss Coef: 0.00		
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec: Use dc or tw		
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc		
			Stabilizer Option: None		

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Survey Data

==== Drop Structures =====

Name:	OCS-5	From Node:	POND5	Length(ft):	40.00
Group:	BASE	To Node:	N014220	Count:	1

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UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.700	128.500	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Type H - 4 Grates

\*\*\* Weir 1 of 3 for Drop Structure OCS-5 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 79.00	Invert(ft): 134.000	
Rise(in): 36.00	Control Elev(ft): 134.000	

\*\*\* Weir 2 of 3 for Drop Structure OCS-5 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 2.13	Invert(ft): 131.300	
Rise(in): 2.13	Control Elev(ft): 131.800	

\*\*\* Weir 3 of 3 for Drop Structure OCS-5 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 67.00	Invert(ft): 132.100	
Rise(in): 22.80	Control Elev(ft): 132.100	

Name: OCS-6	From Node: POND6	Length(ft): 42.00
Group: BASE	To Node: NHH8117	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.400	128.200	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Type H (4 Grates)

\*\*\* Weir 1 of 3 for Drop Structure OCS-6 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 153.00 Invert(ft): 132.100  
 Rise(in): 22.80 Control Elev(ft): 132.100

\*\*\* Weir 2 of 3 for Drop Structure OCS-6 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Circular Orifice Disc Coef: 0.600  
 Span(in): 2.19 Invert(ft): 131.200  
 Rise(in): 2.19 Control Elev(ft): 131.700

\*\*\* Weir 3 of 3 for Drop Structure OCS-6 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 105.00 Invert(ft): 134.000  
 Rise(in): 36.00 Control Elev(ft): 134.000

Name: OCS-7 From Node: POND7 Length(ft): 41.00  
 Group: BASE To Node: NHH8117 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.200	128.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Type H w/ 4 grates

\*\*\* Weir 1 of 3 for Drop Structure OCS-7 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Circular Orifice Disc Coef: 0.600  
 Span(in): 2.06 Invert(ft): 131.200  
 Rise(in): 2.06 Control Elev(ft): 131.700

\*\*\* Weir 2 of 3 for Drop Structure OCS-7 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 153.00 Invert(ft): 132.200  
 Rise(in): 21.60 Control Elev(ft): 132.200

\*\*\* Weir 3 of 3 for Drop Structure OCS-7 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 105.00 Invert(ft): 134.000  
 Rise(in): 36.00 Control Elev(ft): 134.000

Name: OCS-8 From Node: POND8 Length(ft): 34.00  
 Group: BASE To Node: NHH81180 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.800	128.600	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

Type D

\*\*\* Weir 1 of 3 for Drop Structure OCS-8 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Circular Orifice Disc Coef: 0.600  
 Span(in): 2.25 Invert(ft): 131.400  
 Rise(in): 2.25 Control Elev(ft): 131.900

\*\*\* Weir 2 of 3 for Drop Structure OCS-8 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 37.00 Invert(ft): 132.400  
 Rise(in): 22.80 Control Elev(ft): 132.400

\*\*\* Weir 3 of 3 for Drop Structure OCS-8 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 49.00 Invert(ft): 134.300  
 Rise(in): 37.00 Control Elev(ft): 134.300

Name: RHH8119C From Node: NHH8119 Length(ft): 750.00  
 Group: BASE To Node: NHH8160 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 131.120	131.000	Exit Loss Coef: 0.000
Manning's N: 0.011000	0.011000	Outlet Ctrl Spec: Use dc or tw

---

Top Clip(in): 0.000                    0.000                    Inlet Ctrl Spec: Use dc  
Bot Clip(in): 0.000                    0.000                    Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure RHH8119C \*\*\*

TABLE

Count: 1                                    Bottom Clip(in): 0.000  
Type: Vertical: Mavis                    Top Clip(in): 0.000  
Flow: Both                                Weir Disc Coef: 3.200  
Geometry: Circular                        Orifice Disc Coef: 0.600  
  
Span(in): 2.10                             Invert(ft): 131.640  
Rise(in): 2.10                             Control Elev(ft): 131.640

\*\*\* Weir 2 of 3 for Drop Structure RHH8119C \*\*\*

TABLE

Count: 1                                    Bottom Clip(in): 0.000  
Type: Vertical: Mavis                    Top Clip(in): 0.000  
Flow: Both                                Weir Disc Coef: 3.200  
Geometry: Rectangular                    Orifice Disc Coef: 0.600  
  
Span(in): 5.52                             Invert(ft): 131.820  
Rise(in): 35.08                            Control Elev(ft): 131.820

\*\*\* Weir 3 of 3 for Drop Structure RHH8119C \*\*\*

TABLE

Count: 1                                    Bottom Clip(in): 0.000  
Type: Horizontal                         Top Clip(in): 0.000  
Flow: Both                                Weir Disc Coef: 3.200  
Geometry: Rectangular                    Orifice Disc Coef: 0.600  
  
Span(in): 36.00                            Invert(ft): 134.910  
Rise(in): 24.00                            Control Elev(ft): 134.910

=====  
===== Weirs =====  
=====

Name: BNDRYW                              From Node: BNDRY22  
Group: BASE                                To Node: BNDRY26  
Flow: Both                                 Count: 1  
Type: Vertical: Fread                      Geometry: Irregular

XSec: BNDRYW  
Invert(ft): 132.737  
Control Elevation(ft): 132.737  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RH8200B                              From Node: NH8105  
Group: BASE                                To Node: NH8000  
Flow: Both                                 Count: 1  
Type: Vertical: Fread                      Geometry: Irregular

XSec: RH8200B  
Invert(ft): 136.325  
Control Elevation(ft): 136.325  
Struct Opening Dim(ft): 999.00

---

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8102                      From Node: NHH8102  
Group: BASE                        To Node: NH8105  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: RHH8102  
Invert(ft): 132.035  
Control Elevation(ft): 132.035  
Struct Opening Dim(ft): 9999.00

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81052B                   From Node: NHH81052  
Group: BASE                        To Node: NH8105  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: RHH81052B  
Invert(ft): 136.188  
Control Elevation(ft): 136.188  
Struct Opening Dim(ft): 9999.00

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81052D                   From Node: NHH81052  
Group: BASE                        To Node: NHH8165  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: RHH81052D  
Invert(ft): 136.408  
Control Elevation(ft): 136.408  
Struct Opening Dim(ft): 9999.00

TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81053C                   From Node: NHH81053  
Group: BASE                        To Node: NHH8120  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

XSec: RHH81053C  
Invert(ft): 138.710  
Control Elevation(ft): 138.710  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81053D                      From Node: NHH81053  
Group: BASE                            To Node: NHH81054  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81053D  
                                      Invert (ft): 138.398  
Control Elevation(ft): 138.398  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81054B                      From Node: NHH81054  
Group: BASE                            To Node: NH8105  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81054B  
                                      Invert (ft): 137.532  
Control Elevation(ft): 137.532  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81054C                      From Node: NHH81054  
Group: BASE                            To Node: NHH81052  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81054C  
                                      Invert (ft): 137.619  
Control Elevation(ft): 137.619  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8116                         From Node: NH8105  
Group: BASE                            To Node: NHH8116  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH8116  
                                      Invert (ft): 132.479  
Control Elevation(ft): 132.479  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000



Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81161A                      From Node: NHH81161  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81161A  
Invert (ft): 136.733  
Control Elevation(ft): 136.733  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81161B                      From Node: NHH8116  
Group: BASE                              To Node: BNDRY20  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81161B  
Invert (ft): 135.263  
Control Elevation(ft): 135.263  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81161C                      From Node: NHH81181  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH81161C  
Invert (ft): 133.196  
Control Elevation(ft): 133.196  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8117                              From Node: NHH8117  
Group: BASE                              To Node: NHH8116  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RHH8117  
Invert (ft): 131.118  
Control Elevation(ft): 131.118  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000

Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81171                      From Node: NHH81171  
Group: BASE                        To Node: NHH8117  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH81171  
                                  Invert (ft): 136.722  
Control Elevation(ft): 136.722  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81171A                   From Node: NHH81171  
Group: BASE                        To Node: NO14000  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH81171A  
                                  Invert (ft): 139.258  
Control Elevation(ft): 139.258  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81172                    From Node: NHH81172  
Group: BASE                        To Node: NHH81173  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH81172  
                                  Invert (ft): 136.557  
Control Elevation(ft): 136.557  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81172B                   From Node: NHH81172  
Group: BASE                        To Node: BNDRY20  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH81172B  
                                  Invert (ft): 136.081  
Control Elevation(ft): 136.081  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600

Orifice Discharge Coef: 0.600

---

Name: RHH81173                      From Node: NHH81173  
Group: BASE                              To Node: NHH8117  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81173  
                                         Invert (ft): 135.183  
Control Elevation(ft): 135.183  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8117A                      From Node: NHH8117  
Group: BASE                              To Node: BNDRY20  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH8117A  
                                         Invert (ft): 135.298  
Control Elevation(ft): 135.298  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81180C                      From Node: NHH81180  
Group: BASE                              To Node: NHH8116  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81180C  
                                         Invert (ft): 132.583  
Control Elevation(ft): 132.583  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81180D                      From Node: NHH81180  
Group: BASE                              To Node: NHH8118  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                         XSec: RHH81180D  
                                         Invert (ft): 131.101  
Control Elevation(ft): 131.101  
Struct Opening Dim(ft): 9999.00

                                         TABLE

                                         Bottom Clip(ft): 0.000  
                                         Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81180WS                      From Node: NHH811811  
Group: BASE                            To Node: NHH81180  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81180WS  
                                      Invert (ft): 132.646  
Control Elevation(ft): 132.646  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81181A                       From Node: NHH81181  
Group: BASE                            To Node: NHH81180  
Flow: None                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81181A  
                                      Invert (ft): 133.106  
Control Elevation(ft): 133.106  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81182                         From Node: NHH81182  
Group: BASE                            To Node: NHH8118  
Flow: Both                             Count: 1  
Type: Vertical: Gravel                 Geometry: Irregular

                                      XSec: RHH81182  
                                      Invert (ft): 131.112  
Control Elevation(ft): 131.112  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH811821W                      From Node: NHH811821  
Group: BASE                            To Node: NHH81180  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH811821W  
                                      Invert (ft): 132.512  
Control Elevation(ft): 132.512  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81182B                      From Node: NHH81182  
Group: BASE                            To Node: NHH81180  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81182B  
                                      Invert (ft): 132.464  
Control Elevation(ft): 132.464  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
                                      Bottom Clip(ft): 0.000  
                                      Top Clip(ft): 0.000  
                                      Weir Discharge Coef: 2.600  
                                      Orifice Discharge Coef: 0.600

-----  
Name: RHH81182WE                     From Node: NHH81182  
Group: BASE                            To Node: NHH811821  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81182WE  
                                      Invert (ft): 132.114  
Control Elevation(ft): 132.114  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
                                      Bottom Clip(ft): 0.000  
                                      Top Clip(ft): 0.000  
                                      Weir Discharge Coef: 2.600  
                                      Orifice Discharge Coef: 0.600

-----  
Name: RHH81183                        From Node: NHH81183  
Group: BASE                            To Node: NHH8118  
Flow: Both                             Count: 1  
Type: Vertical: Gravel                Geometry: Irregular

                                      XSec: RHH81183  
                                      Invert (ft): 131.351  
Control Elevation(ft): 131.351  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
                                      Bottom Clip(ft): 0.000  
                                      Top Clip(ft): 0.000  
                                      Weir Discharge Coef: 2.600  
                                      Orifice Discharge Coef: 0.600

-----  
Name: RHH81183WN                     From Node: NHH811831  
Group: BASE                            To Node: NHH81183  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                      XSec: RHH81183WN  
                                      Invert (ft): 132.168  
Control Elevation(ft): 132.168  
Struct Opening Dim(ft): 9999.00  
  
                                      TABLE  
                                      Bottom Clip(ft): 0.000  
                                      Top Clip(ft): 0.000  
                                      Weir Discharge Coef: 2.600  
                                      Orifice Discharge Coef: 0.600

-----  
Name: RHH81184                      From Node: NHH81184  
Group: BASE                            To Node: NHH811841  
Flow: Both                             Count: 1  
Type: Horizontal                      Geometry: Rectangular  
  
                    Span(in): 96.00  
                    Rise(in): 24.00  
                    Invert(ft): 133.420  
Control Elevation(ft): 133.420  
  
                                          TABLE  
                    Bottom Clip(in): 0.000  
                    Top Clip(in): 0.000  
                    Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

REF001-005  
pg 231, S511, plans do not show drain, however aeriels show grate, dem is used for grate elevation, assuming spa

-----  
Name: RHH81184B                      From Node: NHH81184  
Group: BASE                            To Node: BNDRY22  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular  
  
                    XSec: RHH81184B  
                    Invert(ft): 136.428  
Control Elevation(ft): 136.428  
Struct Opening Dim(ft): 9999.00  
  
                                          TABLE  
                    Bottom Clip(ft): 0.000  
                    Top Clip(ft): 0.000  
                    Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

REF001-005  
pg 230, S510, plans do not show drain, however aeriels show grate, dem is used for grate elevation, assuming spa

-----  
Name: RHH81185                      From Node: NHH81185  
Group: BASE                            To Node: NHH811851  
Flow: Both                             Count: 1  
Type: Horizontal                      Geometry: Rectangular  
  
                    Span(in): 120.00  
                    Rise(in): 36.00  
                    Invert(ft): 134.900  
Control Elevation(ft): 134.900  
  
                                          TABLE  
                    Bottom Clip(in): 0.000  
                    Top Clip(in): 0.000  
                    Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

REF001-005  
pg 230, S510, plans do not show drain, however aeriels show grate, dem is used for grate elevation, assuming spa

-----  
Name: RHH81185B                      From Node: NHH81185  
Group: BASE                            To Node: NH8105  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular  
  
                    XSec: RHH81185B  
                    Invert(ft): 137.645  
Control Elevation(ft): 137.645  
Struct Opening Dim(ft): 9999.00  
  
                                          TABLE  
                    Bottom Clip(ft): 0.000  
                    Top Clip(ft): 0.000  
                    Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81185C                   From Node: NHH81185  
Group: BASE                        To Node: NHH81184  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular  
  
                          XSec: RHH81185C  
                          Invert (ft): 135.524  
Control Elevation(ft): 135.524  
Struct Opening Dim(ft): 9999.00  
  
                                          TABLE  
          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
          Weir Discharge Coef: 2.600  
          Orifice Discharge Coef: 0.600

-----  
Name: RHH81186                   From Node: NHH81186  
Group: BASE                        To Node: NHH811861  
Flow: Both                         Count: 1  
Type: Horizontal                   Geometry: Rectangular  
  
                          Span(in): 36.00  
                          Rise(in): 24.00  
                          Invert (ft): 133.250  
Control Elevation(ft): 133.250  
  
                                          TABLE  
          Bottom Clip(in): 0.000  
          Top Clip(in): 0.000  
          Weir Discharge Coef: 3.200  
          Orifice Discharge Coef: 0.600

REF001-005  
pg 234, S519, plans do not show drain, however aerials show grate, dem is used for grate elevation, assuming spa

-----  
Name: RHH81186B                   From Node: NHH81186  
Group: BASE                        To Node: NHH8118  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular  
  
                          XSec: RHH81186B  
                          Invert (ft): 136.202  
Control Elevation(ft): 136.202  
Struct Opening Dim(ft): 9999.00  
  
                                          TABLE  
          Bottom Clip(ft): 0.000  
          Top Clip(ft): 0.000  
          Weir Discharge Coef: 2.600  
          Orifice Discharge Coef: 0.600

-----  
Name: RHH81187                   From Node: NHH81187  
Group: BASE                        To Node: NHH811871  
Flow: Both                         Count: 1  
Type: Horizontal                   Geometry: Rectangular  
  
                          Span(in): 36.00  
                          Rise(in): 24.00  
                          Invert (ft): 133.510  
Control Elevation(ft): 133.510  
  
                                          TABLE  
          Bottom Clip(in): 0.000  
          Top Clip(in): 0.000  
          Weir Discharge Coef: 3.200  
          Orifice Discharge Coef: 0.600

REF001-005

pg 234, S518, plans do not show drain, however aerials show grate, dem is used for grate elevation, assuming spa

---

Name: RHH81187B                      From Node: NHH81187  
Group: BASE                              To Node: BNDRY23  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81187B  
                                        Invert(ft): 136.082  
Control Elevation(ft): 136.082  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81187C                      From Node: NHH81187  
Group: BASE                              To Node: NHH81186  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81187C  
                                        Invert(ft): 133.491  
Control Elevation(ft): 133.491  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81187D                      From Node: NHH81187  
Group: BASE                              To Node: NHH81188  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81187D  
                                        Invert(ft): 133.801  
Control Elevation(ft): 133.801  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH81188B                      From Node: NHH81188  
Group: BASE                              To Node: BNDRY23  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH81188B  
                                        Invert(ft): 136.141  
Control Elevation(ft): 136.141  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600



-----  
Name: RHH8118B                      From Node: NHH8118  
Group: BASE                            To Node: NHH8116  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RHH8118B  
                                  Invert (ft): 132.496  
Control Elevation(ft): 132.496  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8118C                      From Node: NHH8118  
Group: BASE                            To Node: NHH81187  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RHH8118C  
                                  Invert (ft): 136.148  
Control Elevation(ft): 136.148  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81192A                      From Node: NHH81192  
Group: BASE                            To Node: NHH8119  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RHH81192A  
                                  Invert (ft): 140.089  
Control Elevation(ft): 140.089  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH81192B                      From Node: NHH81192  
Group: BASE                            To Node: NHH8116  
Flow: Both                             Count: 1  
Type: Vertical: Fread                 Geometry: Irregular

                                  XSec: RHH81192B  
                                  Invert (ft): 135.414  
Control Elevation(ft): 135.414  
Struct Opening Dim(ft): 9999.00

TABLE

                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8119A                      From Node: NHH8119  
Group: BASE                              To Node: NHH8116  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH8119A  
                                        Invert(ft): 135.752  
Control Elevation(ft): 135.752  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8120A                      From Node: NHH8120  
Group: BASE                              To Node: NH8105  
Flow: Both                              Count: 1  
Type: Vertical: Mavis                  Geometry: Rectangular

                                        Span(in): 36.00  
                                        Rise(in): 22.80  
                                        Invert(ft): 135.360  
Control Elevation(ft): 135.360

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

data from survey

-----  
Name: RHH8120B                      From Node: NHH8120  
Group: BASE                              To Node: NH8105  
Flow: Both                              Count: 1  
Type: Vertical: Mavis                  Geometry: Rectangular

                                        Span(in): 96.00  
                                        Rise(in): 24.00  
                                        Invert(ft): 135.170  
Control Elevation(ft): 135.170

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

data from survey

-----  
Name: RHH8120C                      From Node: NHH8120  
Group: BASE                              To Node: NH8105  
Flow: Both                              Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

                                        XSec: RHH8120C  
                                        Invert(ft): 135.766  
Control Elevation(ft): 135.766  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

-----  
Name: RHH8130                      From Node: NHH8130  
Group: BASE                        To Node: NHH8125  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular  
  
                                  XSec: RHH8130  
                                  Invert (ft): 135.067  
Control Elevation(ft): 135.067  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.600  
                                  Orifice Discharge Coef: 0.600

-----  
Name: RHH8135                      From Node: NHH8135  
Group: BASE                        To Node: NHH81185  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular  
  
                                  XSec: RHH8135  
                                  Invert (ft): 136.321  
Control Elevation(ft): 136.321  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.600  
                                  Orifice Discharge Coef: 0.600

-----  
Name: RHH8140                      From Node: NHH8140  
Group: BASE                        To Node: NHH8125  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular  
  
                                  XSec: RHH8140  
                                  Invert (ft): 134.438  
Control Elevation(ft): 134.438  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.600  
                                  Orifice Discharge Coef: 0.600

-----  
Name: RHH8145A                     From Node: NHH8145  
Group: BASE                        To Node: NHH81192  
Flow: Both                         Count: 1  
Type: Vertical: Fread            Geometry: Irregular  
  
                                  XSec: RHH8145A  
                                  Invert (ft): 135.414  
Control Elevation(ft): 135.414  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
                                  Bottom Clip(ft): 0.000  
                                  Top Clip(ft): 0.000  
                                  Weir Discharge Coef: 2.600  
                                  Orifice Discharge Coef: 0.600

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---

Name: RHH8145B                      From Node: NHH8145  
Group: BASE                         To Node: NHH8116  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8145B  
                                  Invert (ft): 133.503  
Control Elevation(ft): 133.503  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8145C                      From Node: NHH8145  
Group: BASE                         To Node: NHH81184  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8145C  
                                  Invert (ft): 136.590  
Control Elevation(ft): 136.590  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150A                      From Node: NHH8150  
Group: BASE                         To Node: NHH8119  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8150A  
                                  Invert (ft): 147.406  
Control Elevation(ft): 147.406  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150C                      From Node: NHH8150  
Group: BASE                         To Node: NHH8145  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8150C  
                                  Invert (ft): 135.433  
Control Elevation(ft): 135.433  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150D                      From Node: NHH8150

---

---

Group: BASE                      To Node: NHH81192  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8150D  
                                  Invert (ft): 139.952  
Control Elevation(ft): 139.952  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8150E                  From Node: NHH8150  
Group: BASE                      To Node: NHH8160  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8150E  
                                  Invert (ft): 134.660  
Control Elevation(ft): 134.660  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8155                  From Node: NHH8155  
Group: BASE                      To Node: NHH8118  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8155  
                                  Invert (ft): 131.499  
Control Elevation(ft): 131.499  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8160B                 From Node: NHH8160  
Group: BASE                      To Node: NHH81188  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Irregular

                                  XSec: RHH8160B  
                                  Invert (ft): 136.224  
Control Elevation(ft): 136.224  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8160C                 From Node: NHH8160  
Group: BASE                      To Node: NHH8155

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---

Flow: Both                    Count: 1  
Type: Vertical: Fread        Geometry: Irregular

                                XSec: RHH8160C  
                                Invert (ft): 133.456  
Control Elevation(ft): 133.456  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8160D                From Node: NHH8160  
Group: BASE                    To Node: NHH8118  
Flow: Both                      Count: 1  
Type: Vertical: Fread        Geometry: Irregular

                                XSec: RHH8160D  
                                Invert (ft): 134.218  
Control Elevation(ft): 134.218  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8165C                From Node: NHH8165  
Group: BASE                    To Node: NHH8145  
Flow: Both                      Count: 1  
Type: Vertical: Fread        Geometry: Irregular

                                XSec: RHH8165C  
                                Invert (ft): 135.389  
Control Elevation(ft): 135.389  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8170                 From Node: NHH8170  
Group: BASE                    To Node: NHH8116  
Flow: Both                      Count: 1  
Type: Vertical: Mavis        Geometry: Rectangular

                                Span(in): 60.00  
                                Rise(in): 30.00  
                                Invert (ft): 134.640  
Control Elevation(ft): 134.640

TABLE

Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

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---

Name: RHH8170C                From Node: NHH8170  
Group: BASE                    To Node: NHH8145

---

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---

Flow: Both                    Count: 1  
Type: Vertical: Fread        Geometry: Irregular

        XSec: RHH8170C  
          Invert (ft): 136.261  
  Control Elevation(ft): 136.261  
  Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
      Top Clip(ft): 0.000  
  Weir Discharge Coef: 2.600  
  Orifice Discharge Coef: 0.600

---

Name: RHH81751A              From Node: NHH81751  
Group: BASE                   To Node: NHH8170  
Flow: Both                    Count: 1  
Type: Vertical: Fread        Geometry: Irregular

        XSec: RHH81751A  
          Invert (ft): 138.240  
  Control Elevation(ft): 138.240  
  Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
      Top Clip(ft): 0.000  
  Weir Discharge Coef: 2.600  
  Orifice Discharge Coef: 0.600

---

Name: RHH81751B              From Node: NHH81751  
Group: BASE                   To Node: NHH8175  
Flow: Both                    Count: 1  
Type: Horizontal              Geometry: Rectangular

        Span(in): 36.00  
        Rise(in): 24.00  
        Invert (ft): 136.130  
  Control Elevation(ft): 136.130

TABLE

    Bottom Clip(in): 0.000  
      Top Clip(in): 0.000  
  Weir Discharge Coef: 3.200  
  Orifice Discharge Coef: 0.600

data from REF002-100  
pg 347  
T/ Grate= 136.99'  
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---

Name: RHH81751C              From Node: NHH81751  
Group: BASE                   To Node: NHH8120  
Flow: Both                    Count: 1  
Type: Vertical: Fread        Geometry: Irregular

        XSec: RHH81751C  
          Invert (ft): 140.386  
  Control Elevation(ft): 140.386  
  Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
      Top Clip(ft): 0.000  
  Weir Discharge Coef: 2.600  
  Orifice Discharge Coef: 0.600

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

---

Name: RHH8180B                      From Node: NHH8180  
Group: BASE                         To Node: NHH81751  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8180B  
                                  Invert (ft): 139.924  
Control Elevation(ft): 139.924  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8180C                      From Node: NHH8180  
Group: BASE                         To Node: NHH8170  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8180C  
                                  Invert (ft): 136.816  
Control Elevation(ft): 136.816  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8180D                      From Node: NHH8180  
Group: BASE                         To Node: NHH8165  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8180D  
                                  Invert (ft): 136.668  
Control Elevation(ft): 136.668  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8180E                      From Node: NHH8180  
Group: BASE                         To Node: NHH8145  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Irregular

                                  XSec: RHH8180E  
                                  Invert (ft): 136.586  
Control Elevation(ft): 136.586  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8181A                      From Node: NHH8181

---



---

Group: BASE                      To Node: NHH81180  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Irregular

                                XSec: RHH8181A  
                                Invert (ft): 134.819  
Control Elevation(ft): 134.819  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8181D                  From Node: NHH8181  
Group: BASE                      To Node: BNDRY25  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Irregular

                                XSec: RHH8181D  
                                Invert (ft): 131.374  
Control Elevation(ft): 131.374  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RHH8190B                  From Node: NHH8190  
Group: BASE                      To Node: NHH81186  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Irregular

                                XSec: RHH8190B  
                                Invert (ft): 136.117  
Control Elevation(ft): 136.117  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RO14131                   From Node: NO14131  
Group: BASE                      To Node: NO14220  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Irregular

                                XSec: RO14131  
                                Invert (ft): 134.097  
Control Elevation(ft): 134.097  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RO14136A                  From Node: NO14136  
Group: BASE                      To Node: NO14000

Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: R014136A  
 Invert (ft): 136.504  
 Control Elevation(ft): 136.504  
 Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

Name: R014136C From Node: NO14136  
 Group: BASE To Node: NO14131  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: R014136C  
 Invert (ft): 138.393  
 Control Elevation(ft): 138.393  
 Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

Name: R014136D From Node: NO14136  
 Group: BASE To Node: NO14250  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: R014136D  
 Invert (ft): 136.332  
 Control Elevation(ft): 136.332  
 Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

Name: R014211 From Node: NO14211  
 Group: BASE To Node: NO14220  
 Flow: Both Count: 1  
 Type: Vertical: Fread Geometry: Irregular

XSec: R014211  
 Invert (ft): 133.131  
 Control Elevation(ft): 133.131  
 Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
 Top Clip(ft): 0.000  
 Weir Discharge Coef: 2.600  
 Orifice Discharge Coef: 0.600

Name: R014212A From Node: NO14212  
 Group: BASE To Node: NO14220  
 Flow: Both Count: 1

---

Type: Vertical: Fread      Geometry: Irregular  
XSec: R014212A  
Invert (ft): 135.622  
Control Elevation(ft): 135.622  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014220      From Node: N014220  
Group: BASE      To Node: N014000  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular  
XSec: R014220  
Invert (ft): 132.650  
Control Elevation(ft): 132.650  
Struct Opening Dim(ft): 999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014220A      From Node: N014220  
Group: BASE      To Node: BNDRY20  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular  
XSec: R014220A  
Invert (ft): 136.702  
Control Elevation(ft): 136.702  
Struct Opening Dim(ft): 999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014230A      From Node: N014230  
Group: BASE      To Node: N014131  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular  
XSec: R014230A  
Invert (ft): 136.080  
Control Elevation(ft): 136.080  
Struct Opening Dim(ft): 999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014230B      From Node: N014230  
Group: BASE      To Node: N014220  
Flow: Both      Count: 1  
Type: Vertical: Fread      Geometry: Irregular

XSec: RO14230B  
Invert (ft): 135.673  
Control Elevation(ft): 135.673  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RO14230D                      From Node: NO14136  
Group: BASE                              To Node: NO14230  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RO14230D  
Invert (ft): 136.087  
Control Elevation(ft): 136.087  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RO14240A                      From Node: NO14240  
Group: BASE                              To Node: NO14131  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RO14240A  
Invert (ft): 133.870  
Control Elevation(ft): 133.870  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RO14240B                      From Node: NO14240  
Group: BASE                              To Node: NO14220  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

XSec: RO14240B  
Invert (ft): 133.277  
Control Elevation(ft): 133.277  
Struct Opening Dim(ft): 999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: RO14250A                      From Node: NO14250  
Group: BASE                              To Node: NO14131  
Flow: Both                                Count: 1  
Type: Vertical: Fread                  Geometry: Irregular

---

XSec: R014250A  
Invert (ft): 137.438  
Control Elevation (ft): 137.438  
Struct Opening Dim (ft): 999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014250B                      From Node: N014250  
Group: BASE                        To Node: N014000  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

XSec: R014250B  
Invert (ft): 137.112  
Control Elevation (ft): 137.112  
Struct Opening Dim (ft): 999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

---

Name: R014250C                      From Node: N014250  
Group: BASE                        To Node: N014220  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Irregular

XSec: R014250C  
Invert (ft): 135.366  
Control Elevation (ft): 135.366  
Struct Opening Dim (ft): 999.00  
TABLE  
Bottom Clip (ft): 0.000  
Top Clip (ft): 0.000  
Weir Discharge Coef: 2.600  
Orifice Discharge Coef: 0.600

=====  
==== Hydrology Simulations =====  
=====

Name: 100YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\100YR24

Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 10.00

Time (hrs)	Print Inc (min)
200.000	10.00

---

Name: 100YR5DAY  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\100YR5D

Override Defaults: Yes  
Storm Duration (hrs): 120.00  
Rainfall File: SWFWMD120  
Rainfall Amount (in): 16.00

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

---

Time (hrs)	Print Inc (min)
200.000	10.00

---

Name: 10YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\10YR24H  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 6.30

---

Time (hrs)	Print Inc (min)
200.000	10.00

---

Name: 233YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\233YR24H  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 4.30

---

Time (hrs)	Print Inc (min)
200.000	5.00

---

Name: 25YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\25YR24H  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 7.50

---

Time (hrs)	Print Inc (min)
200.000	10.00

---

Name: 500YR5DAY  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\500YR5D  
Override Defaults: Yes  
Storm Duration (hrs): 120.00  
Rainfall File: SWFWMD120  
Rainfall Amount (in): 19.20

---

Time (hrs)	Print Inc (min)
200.000	10.00

---

Name: 50YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\50YR24H  
Override Defaults: Yes  
Storm Duration (hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount (in): 9.00

---

Time (hrs)	Print Inc (min)
200.000	10.00

---

==== Routing Simulations =====

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

---

Name: 100YR24HR Hydrology Sim: 100YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\100YR24

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 100YR24HR Boundary Flows:

Time(hrs) Print Inc(min)  
-----  
999.000 60.000

Group Run  
-----  
BASE Yes

---

Name: 100YR5DAY Hydrology Sim: 100YR5DAY  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\100YR5D

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 100YR5DAY Boundary Flows:

Time(hrs) Print Inc(min)  
-----  
999.000 60.000

Group Run  
-----  
BASE Yes

---

Name: 10YR24HR Hydrology Sim: 10YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\10YR24H

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 10YR24HR Boundary Flows:

Time(hrs) Print Inc(min)  
-----  
999.000 60.000

Group Run  
-----  
BASE Yes

---

Name: 233YR24HR Hydrology Sim: 233YR24HR

Proposed Polk City Model (Basins 5-8)  
CR 557 Widening  
Complete Input Report

---

Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\233YR24

Execute: Yes            Restart: No            Patch: No  
Alternative: No

Max Delta Z(ft): 1.00            Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000            End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000        Max Calc Time(sec): 10.0000  
Boundary Stages: 233yr24hr        Boundary Flows:

Time (hrs)            Print Inc(min)  
-----  
999.000            60.000

Group            Run  
-----  
BASE            Yes

---

Name: 25YR24HR            Hydrology Sim: 25YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\25YR24H

Execute: Yes            Restart: No            Patch: No  
Alternative: No

Max Delta Z(ft): 1.00            Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000            End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000        Max Calc Time(sec): 10.0000  
Boundary Stages: 25YR24HR        Boundary Flows:

Time (hrs)            Print Inc(min)  
-----  
999.000            60.000

Group            Run  
-----  
BASE            Yes

---

Name: 500YR5DAY            Hydrology Sim: 500YR5DAY  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\500YR5D

Execute: Yes            Restart: No            Patch: No  
Alternative: No

Max Delta Z(ft): 1.00            Delta Z Factor: 0.01000  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000            End Time(hrs): 200.00  
Min Calc Time(sec): 0.5000        Max Calc Time(sec): 10.0000  
Boundary Stages: 500yr5day        Boundary Flows:

Time (hrs)            Print Inc(min)  
-----  
999.000            60.000

Group            Run  
-----  
BASE            Yes

---

Name: 50YR24HR            Hydrology Sim: 50YR24HR  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\1\_Polk City (North, Basins 5-8)\Proposed\50YR24H

---

Dewberry Engineers, Inc.  
01/23/2023



Execute: Yes                    Restart: No                    Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.01000  
 Time Step Optimizer: 10.000  
 Start Time(hrs): 0.000                    End Time(hrs): 200.00  
 Min Calc Time(sec): 0.5000                    Max Calc Time(sec): 10.0000  
 Boundary Stages: 50yr24hr                    Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	60.000
Group	Run
BASE	Yes

=====  
 === Boundary Conditions =====  
 =====

Name: 10yr24hr	Node: NH8000	Type: Stage
Time(hrs)	Stage(ft)	
0.000	132.300	
0.167	132.299	
0.333	132.298	
0.500	132.297	
0.667	132.296	
0.833	132.296	
1.000	132.295	
1.167	132.294	
1.333	132.293	
1.500	132.292	
1.667	132.292	
1.833	132.291	
2.000	132.291	
2.167	132.290	
2.333	132.290	
2.500	132.290	
2.667	132.290	
2.833	132.291	
3.000	132.291	
3.167	132.291	
3.333	132.292	
3.500	132.292	
3.667	132.293	
3.833	132.293	
4.000	132.294	
4.167	132.295	
4.333	132.296	
4.500	132.296	
4.667	132.297	
4.833	132.298	
5.000	132.299	
5.167	132.300	
5.333	132.301	
5.500	132.303	
5.667	132.304	
5.833	132.305	
6.000	132.306	
6.167	132.308	
6.333	132.309	
6.500	132.310	
6.667	132.312	
6.833	132.313	
7.000	132.315	
7.167	132.316	

7.333	132.318
7.500	132.320
7.667	132.322
7.833	132.325
8.000	132.327
8.167	132.329
8.333	132.331
8.500	132.333
8.667	132.336
8.833	132.338
9.000	132.340
9.167	132.343
9.333	132.346
9.500	132.348
9.667	132.351
9.833	132.353
10.000	132.357
10.167	132.361
10.333	132.364
10.500	132.366
10.667	132.368
10.834	132.372
11.000	132.376
11.167	132.380
11.334	132.385
11.500	132.390
11.667	132.396
11.833	132.404
12.000	132.413
12.167	132.418
12.333	132.426
12.500	132.434
12.667	132.443
12.833	132.451
13.000	132.458
13.167	132.464
13.334	132.471
13.500	132.478
13.667	132.486
13.833	132.494
14.000	132.502
14.167	132.510
14.333	132.518
14.500	132.526
14.667	132.534
14.833	132.542
15.000	132.550
15.167	132.558
15.334	132.566
15.500	132.574
15.667	132.582
15.833	132.590
16.000	132.598
16.167	132.606
16.333	132.614
16.500	132.622
16.667	132.630
16.833	132.638
17.000	132.646
17.167	132.654
17.334	132.662
17.500	132.670
17.667	132.678
17.833	132.686
18.000	132.694
18.167	132.702
18.333	132.710
18.500	132.718
18.667	132.726
18.833	132.734
19.000	132.742
19.167	132.750
19.333	132.758
19.500	132.766

19.500	132.819
19.667	132.821
19.833	132.823
20.000	132.825
20.167	132.827
20.333	132.829
20.500	132.831
20.667	132.833
20.833	132.835
21.000	132.837
21.167	132.839
21.333	132.840
21.500	132.842
21.667	132.844
21.833	132.846
22.000	132.848
22.167	132.850
22.333	132.851
22.500	132.853
22.667	132.854
22.833	132.856
23.000	132.858
23.167	132.859
23.333	132.861
23.500	132.863
23.667	132.864
23.833	132.866
24.000	132.868
24.167	132.870
24.333	132.871
24.500	132.872
24.667	132.874
24.833	132.875
25.000	132.876
25.167	132.877
25.333	132.878
25.500	132.879
25.667	132.880
25.833	132.881
26.000	132.882
26.167	132.883
26.333	132.884
26.500	132.885
26.667	132.886
26.833	132.887
27.000	132.888
27.167	132.889
27.333	132.890
27.500	132.891
27.667	132.892
27.833	132.893
28.000	132.894
28.167	132.895
28.333	132.896
28.500	132.897
28.667	132.898
28.833	132.899
29.000	132.900
29.167	132.901
29.333	132.902
29.500	132.903
29.667	132.904
29.833	132.905
30.000	132.906
30.167	132.907
30.333	132.908
30.500	132.909
30.667	132.910
30.833	132.911
31.000	132.912
31.167	132.913
31.333	132.914
31.500	132.915

51.667	132.883
51.833	132.883
52.000	132.883
32.157	132.883
32.157	132.883
32.150	132.884
32.667	132.884
32.833	132.884
33.000	132.884
33.167	132.884
33.333	132.884
33.500	132.884
33.667	132.884
33.833	132.884
34.000	132.884
34.157	132.884
34.500	132.884
34.667	132.884
34.833	132.884
35.000	132.884
35.167	132.884
35.333	132.884
35.500	132.884
35.667	132.884
35.833	132.884
36.000	132.884
36.157	132.884
36.500	132.884
36.667	132.884
36.833	132.884
37.000	132.884
37.157	132.884
37.333	132.884
37.500	132.884
37.667	132.883
37.833	132.883
38.000	132.883
38.157	132.883
38.500	132.883
38.667	132.883
38.833	132.883
39.000	132.883
39.167	132.883
39.333	132.883
39.500	132.883
39.667	132.883
39.833	132.883
40.000	132.883
40.157	132.883
40.500	132.883
40.667	132.883
40.833	132.883
41.000	132.883
41.167	132.883
41.333	132.883
41.500	132.883
41.667	132.883
41.833	132.883
42.000	132.883
42.157	132.883
42.500	132.883
42.667	132.883
42.833	132.883
43.000	132.883
43.167	132.882
43.333	132.882
43.500	132.882
43.667	132.882

Danberry Engineers, Inc.  
 01/23/2023

43.833	132.882
44.000	132.882
44.167	132.882
44.333	132.882
44.500	132.882
44.667	132.882
44.833	132.882
45.000	132.882
45.157	132.882
45.333	132.882
45.500	132.882
45.667	132.882
45.833	132.882
46.000	132.882
46.157	132.882
46.333	132.882
46.500	132.882
46.667	132.881
46.833	132.881
47.000	132.881
47.157	132.881
47.333	132.881
47.500	132.881
47.667	132.881
47.833	132.881
48.000	132.881
48.157	132.881
48.333	132.881
48.500	132.881
48.667	132.881
48.833	132.881
49.000	132.881
49.157	132.881
49.333	132.881
49.500	132.881
49.667	132.881
49.833	132.881
50.000	132.880
50.157	132.880
50.333	132.880
50.500	132.880
50.667	132.880
50.833	132.880
51.000	132.880
51.157	132.880
51.333	132.880
51.500	132.880
51.667	132.880
51.833	132.880
52.000	132.880
52.157	132.880
52.333	132.880
52.500	132.879
52.667	132.879
52.833	132.879
53.000	132.879
53.167	132.879
53.333	132.879
53.500	132.879
53.667	132.879
53.833	132.879
54.000	132.879
54.157	132.879
54.333	132.879
54.500	132.879
54.667	132.879
54.833	132.879
55.000	132.879
55.167	132.878
55.333	132.878
55.500	132.878
55.667	132.878
55.833	132.878

Danberry Engineers, Inc.  
 01/23/2023

56.000	132.878
56.167	132.878
56.333	132.878
56.500	132.878
56.667	132.878
56.833	132.878
57.000	132.878
57.167	132.878
57.333	132.878
57.500	132.877
57.667	132.877
57.833	132.877
58.000	132.877
58.167	132.877
58.333	132.877
58.500	132.877
58.667	132.877
58.833	132.877
59.000	132.877
59.167	132.877
59.333	132.877
59.500	132.877
59.667	132.876
59.833	132.876
60.000	132.876
60.167	132.876
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60.833	132.876
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61.167	132.876
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61.833	132.875
62.000	132.875
62.167	132.875
62.333	132.875
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62.667	132.875
62.833	132.875
63.000	132.875
63.167	132.875
63.333	132.875
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63.833	132.874
64.000	132.874
64.167	132.874
64.333	132.874
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64.833	132.874
65.000	132.874
65.167	132.874
65.333	132.874
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65.833	132.873
66.000	132.873
66.167	132.873
66.333	132.873
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66.833	132.873
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67.167	132.873
67.333	132.872
67.500	132.872
67.667	132.872
67.833	132.872
68.000	132.872

Deberry Engineers, Inc.  
 01/23/2023

68.167	132.872
68.333	132.872
68.500	132.872
68.667	132.872
68.833	132.872
69.000	132.872
69.167	132.871
69.333	132.871
69.500	132.871
69.667	132.871
69.833	132.871
70.000	132.871
70.167	132.871
70.333	132.871
70.500	132.871
70.667	132.871
70.833	132.870
71.000	132.870
71.167	132.870
71.333	132.870
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71.667	132.870
71.833	132.870
72.000	132.870
72.167	132.870
72.333	132.869
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72.667	132.869
72.833	132.869
73.000	132.869
73.167	132.869
73.333	132.869
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73.833	132.869
74.000	132.869
74.167	132.868
74.333	132.868
74.500	132.868
74.667	132.868
74.833	132.868
75.000	132.868
75.167	132.868
75.333	132.868
75.500	132.868
75.667	132.868
75.833	132.867
76.000	132.867
76.167	132.867
76.333	132.867
76.500	132.867
76.667	132.867
76.833	132.867
77.000	132.867
77.167	132.867
77.333	132.866
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77.833	132.866
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78.167	132.866
78.333	132.866
78.500	132.866
78.667	132.865
78.833	132.865
79.000	132.865
79.167	132.865
79.333	132.865
79.500	132.865
79.667	132.865
79.833	132.865
80.000	132.865
80.167	132.865

Deberry Engineers, Inc.  
 01/23/2023

80.333	132.864
80.500	132.864
80.667	132.864
80.833	132.864
81.000	132.864
81.167	132.864
81.333	132.864
81.500	132.864
81.667	132.863
81.833	132.863
82.000	132.863
82.167	132.863
82.333	132.863
82.500	132.863
82.667	132.863
82.833	132.863
83.000	132.862
83.167	132.862
83.333	132.862
83.500	132.862
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84.167	132.862
84.333	132.862
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84.833	132.861
85.000	132.861
85.167	132.861
85.333	132.861
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85.667	132.861
85.833	132.861
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86.167	132.860
86.333	132.860
86.500	132.860
86.667	132.860
86.833	132.860
87.000	132.859
87.167	132.859
87.333	132.859
87.500	132.859
87.667	132.859
87.833	132.859
88.000	132.859
88.167	132.859
88.333	132.859
88.500	132.859
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89.167	132.858
89.333	132.858
89.500	132.858
89.667	132.858
89.833	132.858
90.000	132.857
90.167	132.857
90.333	132.857
90.500	132.857
90.667	132.857
90.833	132.857
91.000	132.857
91.167	132.857
91.333	132.856
91.500	132.856
91.667	132.856
91.833	132.856
92.000	132.856
92.167	132.856
92.333	132.856

Deberry Engineers, Inc.  
 01/23/2023

92.500	132.856
92.667	132.855
92.833	132.855
93.000	132.855
93.167	132.855
93.333	132.855
93.500	132.855
93.667	132.855
93.833	132.855
94.000	132.854
94.167	132.854
94.333	132.854
94.500	132.854
94.667	132.854
94.833	132.854
95.000	132.854
95.167	132.853
95.333	132.853
95.500	132.853
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95.833	132.853
96.000	132.853
96.167	132.853
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96.667	132.852
96.833	132.852
97.000	132.852
97.167	132.852
97.333	132.852
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97.667	132.851
97.833	132.851
98.000	132.851
98.167	132.851
98.333	132.851
98.500	132.851
98.667	132.851
98.833	132.850
99.000	132.850
99.167	132.850
99.333	132.850
99.500	132.850
99.667	132.850
99.833	132.850
100.000	132.850
100.167	132.849
100.333	132.849
100.500	132.849
100.667	132.849
100.833	132.849
101.000	132.849
101.167	132.848
101.333	132.848
101.500	132.848
101.667	132.848
101.833	132.848
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102.167	132.848
102.333	132.848
102.500	132.847
102.667	132.847
102.833	132.847
103.000	132.847
103.167	132.847
103.333	132.847
103.500	132.847
103.667	132.846
103.833	132.846
104.000	132.846
104.167	132.846
104.333	132.846
104.500	132.846

Deberry Engineers, Inc.  
 01/23/2023

104.667	132.846
104.833	132.845
105.000	132.845
105.167	132.845
105.333	132.845
105.500	132.845
105.667	132.845
105.833	132.845
106.000	132.844
106.167	132.844
106.333	132.844
106.500	132.844
106.667	132.844
106.833	132.844
107.000	132.844
107.167	132.843
107.333	132.843
107.500	132.843
107.667	132.843
107.833	132.843
108.000	132.843
108.167	132.842
108.333	132.842
108.500	132.842
108.667	132.842
108.833	132.842
109.000	132.842
109.167	132.842
109.333	132.842
109.500	132.841
109.667	132.841
109.833	132.841
110.000	132.841
110.167	132.841
110.333	132.841
110.500	132.841
110.667	132.840
110.833	132.840
111.000	132.840
111.167	132.840
111.333	132.840
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111.667	132.839
111.833	132.839
112.000	132.839
112.167	132.839
112.333	132.839
112.500	132.839
112.667	132.839
112.833	132.838
113.000	132.838
113.167	132.838
113.333	132.838
113.500	132.838
113.667	132.838
113.833	132.838
114.000	132.837
114.167	132.837
114.333	132.837
114.500	132.837
114.667	132.837
114.833	132.837
115.000	132.836
115.167	132.836
115.333	132.836
115.500	132.836
115.667	132.836
115.833	132.836
116.000	132.836
116.167	132.835
116.333	132.835
116.500	132.835
116.667	132.835

Deberry Engineers, Inc.  
 01/23/2023

116.833	132.835
117.000	132.835
117.167	132.834
117.333	132.834
117.500	132.834
117.667	132.834
117.833	132.834
118.000	132.834
118.167	132.834
118.333	132.833
118.500	132.833
118.667	132.833
118.833	132.833
119.000	132.833
119.167	132.833
119.333	132.832
119.500	132.832
119.667	132.832
119.833	132.832
120.000	132.832
120.167	132.832
120.333	132.832
120.500	132.831
120.667	132.831
120.833	132.831
121.000	132.831
121.167	132.831
121.333	132.831
121.500	132.830
121.667	132.830
121.833	132.830
122.000	132.830
122.167	132.830
122.333	132.830
122.500	132.829
122.667	132.829
122.833	132.829
123.000	132.829
123.167	132.829
123.333	132.829
123.500	132.829
123.667	132.828
123.833	132.828
124.000	132.828
124.167	132.828
124.333	132.828
124.500	132.828
124.667	132.827
124.833	132.827
125.000	132.827
125.167	132.827
125.333	132.827
125.500	132.827
125.667	132.826
125.833	132.826
126.000	132.826
126.167	132.826
126.333	132.826
126.500	132.826
126.667	132.826
126.833	132.825
127.000	132.825
127.167	132.825
127.333	132.825
127.500	132.825
127.667	132.825
127.833	132.824
128.000	132.824
128.167	132.824
128.333	132.824
128.500	132.824
128.667	132.824
128.833	132.824

Deberry Engineers, Inc.  
 01/23/2023

129.000	132.823
129.167	132.823
129.333	132.823
129.500	132.823
129.667	132.822
130.000	132.822
130.167	132.822
130.333	132.822
130.500	132.822
130.667	132.822
130.833	132.822
131.000	132.821
131.167	132.821
131.333	132.821
131.500	132.821
131.667	132.821
131.833	132.820
132.000	132.820
132.167	132.820
132.333	132.820
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132.667	132.820
132.833	132.820
133.000	132.819
133.167	132.819
133.333	132.819
133.500	132.819
133.667	132.819
133.833	132.818
134.000	132.818
134.167	132.818
134.333	132.818
134.500	132.818
134.667	132.818
134.833	132.818
135.000	132.817
135.167	132.817
135.333	132.817
135.500	132.817
135.667	132.817
135.833	132.817
136.000	132.816
136.167	132.816
136.333	132.816
136.500	132.816
136.667	132.816
136.833	132.816
137.000	132.815
137.167	132.815
137.333	132.815
137.500	132.815
137.667	132.815
137.833	132.815
138.000	132.814
138.167	132.814
138.333	132.814
138.500	132.814
138.667	132.814
138.833	132.814
139.000	132.813
139.167	132.813
139.333	132.813
139.500	132.813
139.667	132.813
139.833	132.813
140.000	132.812
140.167	132.812
140.333	132.812
140.500	132.812
140.667	132.812
140.833	132.812
141.000	132.811

141.167	132.811
141.333	132.811
141.500	132.811
141.667	132.811
141.833	132.811
142.000	132.810
142.167	132.810
142.333	132.810
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144.167	132.808
144.333	132.808
144.500	132.808
144.667	132.808
144.833	132.808
145.000	132.807
145.167	132.807
145.333	132.807
145.500	132.807
145.667	132.807
145.833	132.806
146.000	132.806
146.167	132.806
146.333	132.806
146.500	132.806
146.667	132.806
146.833	132.806
147.000	132.805
147.167	132.805
147.333	132.805
147.500	132.805
147.667	132.805
147.833	132.805
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148.333	132.804
148.500	132.804
148.667	132.804
148.833	132.804
149.000	132.803
149.167	132.803
149.333	132.803
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149.833	132.803
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150.167	132.802
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152.000	132.800
152.167	132.800
152.333	132.800
152.500	132.800
152.667	132.800
152.833	132.800
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153.167	132.799

153.333	132.799
153.500	132.799
153.667	132.799
153.833	132.799
154.000	132.799
154.167	132.799
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155.333	132.797
155.500	132.797
155.667	132.797
155.833	132.796
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156.167	132.796
156.333	132.796
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156.667	132.796
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157.167	132.795
157.333	132.795
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158.167	132.794
158.333	132.794
158.500	132.794
158.667	132.794
158.833	132.793
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159.167	132.793
159.333	132.793
159.500	132.793
159.667	132.793
159.833	132.792
160.000	132.792
160.167	132.792
160.333	132.792
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160.667	132.792
160.833	132.792
161.000	132.791
161.167	132.791
161.333	132.791
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161.667	132.791
161.833	132.791
162.000	132.790
162.167	132.790
162.333	132.790
162.500	132.790
162.667	132.789
162.833	132.789
163.000	132.789
163.167	132.789
163.333	132.789
163.500	132.789
163.667	132.788
163.833	132.788
164.000	132.788
164.167	132.788
164.333	132.788
164.500	132.788
164.667	132.787
164.833	132.787
165.000	132.787
165.167	132.787
165.333	132.787

165.500	132.787
165.667	132.786
165.833	132.786
166.000	132.786
166.167	132.786
166.333	132.786
166.500	132.786
166.667	132.785
166.833	132.785
167.000	132.785
167.167	132.785
167.333	132.785
167.500	132.785
167.667	132.784
167.833	132.784
168.000	132.784
168.167	132.784
168.333	132.784
168.500	132.783
168.667	132.783
168.833	132.783
169.000	132.783
169.167	132.783
169.333	132.783
169.500	132.782
169.667	132.782
169.833	132.782
170.000	132.782
170.167	132.782
170.333	132.782
170.500	132.781
170.667	132.781
170.833	132.781
171.000	132.781
171.167	132.781
171.333	132.781
171.500	132.780
171.667	132.780
171.833	132.780
172.000	132.780
172.167	132.780
172.333	132.780
172.500	132.779
172.667	132.779
172.833	132.779
173.000	132.779
173.167	132.779
173.333	132.779
173.500	132.778
173.667	132.778
173.833	132.778
174.000	132.778
174.167	132.778
174.333	132.778
174.500	132.777
174.667	132.777
174.833	132.777
175.000	132.777
175.167	132.777
175.333	132.777
175.500	132.776
175.667	132.776
175.833	132.776
176.000	132.776
176.167	132.776
176.333	132.775
176.500	132.775
176.667	132.775
176.833	132.775
177.000	132.775
177.167	132.775
177.333	132.774
177.500	132.774



177.667	132.774
177.833	132.774
178.000	132.774
178.167	132.774
178.333	132.773
178.500	132.772
178.667	132.773
178.833	132.773
179.000	132.773
179.167	132.772
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179.833	132.772
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180.167	132.772
180.333	132.771
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180.667	132.771
180.833	132.771
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181.167	132.770
181.333	132.770
181.500	132.770
181.667	132.770
181.833	132.770
182.000	132.770
182.167	132.770
182.333	132.769
182.500	132.769
182.667	132.769
182.833	132.769
183.000	132.769
183.167	132.768
183.333	132.768
183.500	132.768
183.667	132.768
183.833	132.768
184.000	132.768
184.167	132.768
184.333	132.767
184.500	132.767
184.667	132.767
184.833	132.767
185.000	132.767
185.167	132.766
185.333	132.766
185.500	132.766
185.667	132.766
185.833	132.766
186.000	132.766
186.167	132.765
186.333	132.765
186.500	132.765
186.667	132.765
186.833	132.765
187.000	132.765
187.167	132.764
187.333	132.764
187.500	132.764
187.667	132.764
187.833	132.764
188.000	132.764
188.167	132.763
188.333	132.763
188.500	132.763
188.667	132.763
188.833	132.763
189.000	132.763
189.167	132.762
189.333	132.762
189.500	132.762
189.667	132.762

189.833	132.762
190.000	132.762
190.167	132.761
190.333	132.761
190.500	132.761
190.667	132.761
190.833	132.761
191.000	132.761
191.167	132.760
191.333	132.760
191.500	132.760
191.667	132.760
191.833	132.760
192.000	132.760
192.167	132.759
192.333	132.759
192.500	132.759
192.667	132.759
192.833	132.759
193.000	132.759
193.167	132.758
193.333	132.758
193.500	132.758
193.667	132.758
193.833	132.758
194.000	132.758
194.167	132.757
194.333	132.757
194.500	132.757
194.667	132.757
194.833	132.757
195.000	132.757
195.167	132.756
195.333	132.756
195.500	132.756
195.667	132.756
195.833	132.756
196.000	132.756
196.167	132.755
196.333	132.755
196.500	132.755
196.667	132.755
196.833	132.755
197.000	132.755
197.167	132.754
197.333	132.754
197.500	132.754
197.667	132.754
197.833	132.754
198.000	132.754
198.167	132.753
198.333	132.753
198.500	132.753
198.667	132.753
198.833	132.753
199.000	132.753
199.167	132.752
199.333	132.752
199.500	132.752
199.667	132.752
199.833	132.752
200.000	132.752

Name: 10yr24hr			
Time (hrs)	Stage (ft)	Node: NO14000	Type: Stage
0.000	132.410		
0.167	132.410		
0.333	132.410		
0.500	132.410		
0.667	132.410		

0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.410
1.500	132.410
1.667	132.411
1.833	132.411
2.000	132.412
2.167	132.413
2.333	132.414
2.500	132.415
2.667	132.416
2.833	132.417
3.000	132.419
3.167	132.420
3.333	132.421
3.500	132.422
3.667	132.422
3.833	132.426
4.000	132.428
4.167	132.429
4.333	132.431
4.500	132.433
4.667	132.434
4.833	132.436
5.000	132.438
5.167	132.440
5.333	132.442
5.500	132.444
5.667	132.444
5.833	132.447
6.000	132.449
6.167	132.451
6.333	132.454
6.500	132.456
6.667	132.458
6.833	132.460
7.000	132.462
7.167	132.465
7.333	132.469
7.500	132.483
7.667	132.472
7.833	132.474
8.000	132.477
8.167	132.480
8.333	132.482
8.500	132.485
8.667	132.488
8.833	132.491
9.000	132.494
9.167	132.498
9.333	132.501
9.500	132.501
9.667	132.508
9.833	132.512
10.000	132.516
10.167	132.520
10.333	132.524
10.500	132.528
10.667	132.533
10.834	132.539
11.000	132.544
11.167	132.549
11.333	132.553
11.500	132.559
11.667	132.562
11.833	132.572
12.000	132.585
12.167	132.607
12.333	132.638
12.500	132.676
12.667	132.713
12.833	132.747
13.000	132.777

Deberry Engineers, Inc.  
 01/23/2023

13.000	132.802
13.167	132.823
13.334	132.841
13.500	132.857
13.667	132.871
13.834	132.883
14.000	132.893
14.167	132.902
14.333	132.909
14.500	132.915
14.667	132.920
14.833	132.924
15.000	132.927
15.167	132.929
15.334	132.930
15.500	132.931
15.667	132.932
15.834	132.932
16.000	132.933
16.167	132.933
16.333	132.933
16.500	132.933
16.667	132.933
16.833	132.932
17.000	132.932
17.167	132.931
17.334	132.931
17.500	132.930
17.667	132.929
17.833	132.928
18.000	132.928
18.167	132.927
18.333	132.926
18.500	132.925
18.667	132.925
18.833	132.924
19.000	132.924
19.167	132.923
19.333	132.922
19.500	132.921
19.667	132.920
19.833	132.918
20.000	132.917
20.167	132.916
20.333	132.915
20.500	132.914
20.667	132.913
20.833	132.912
21.000	132.911
21.167	132.910
21.333	132.909
21.500	132.909
21.667	132.907
21.833	132.907
22.000	132.906
22.167	132.905
22.333	132.904
22.500	132.903
22.667	132.903
22.833	132.902
23.000	132.901
23.167	132.900
23.333	132.899
23.500	132.899
23.667	132.898
23.833	132.897
24.000	132.896
24.167	132.895
24.333	132.894
24.500	132.893
24.667	132.891
24.833	132.890
25.000	132.888

Deberry Engineers, Inc.  
 01/23/2023

25.167	132.887
25.333	132.885
25.500	132.883
25.667	132.881
25.833	132.879
26.000	132.877
26.167	132.875
26.333	132.873
26.500	132.871
26.667	132.869
26.833	132.867
27.000	132.865
27.167	132.863
27.333	132.861
27.500	132.859
27.667	132.857
27.833	132.855
28.000	132.853
28.167	132.851
28.333	132.849
28.500	132.847
28.667	132.845
28.833	132.843
29.000	132.841
29.167	132.839
29.333	132.837
29.500	132.835
29.667	132.833
29.833	132.831
30.000	132.829
30.167	132.827
30.333	132.825
30.500	132.823
30.667	132.821
30.833	132.819
31.000	132.817
31.167	132.815
31.333	132.813
31.500	132.811
31.667	132.809
31.833	132.807
32.000	132.805
32.167	132.803
32.333	132.801
32.500	132.799
32.667	132.797
32.833	132.795
33.000	132.793
33.167	132.791
33.333	132.789
33.500	132.787
33.667	132.785
33.833	132.783
34.000	132.781
34.167	132.779
34.333	132.777
34.500	132.775
34.667	132.773
34.833	132.771
35.000	132.769
35.167	132.767
35.333	132.765
35.500	132.763
35.667	132.761
35.833	132.759
36.000	132.757
36.167	132.755
36.333	132.753
36.500	132.751
36.667	132.749
36.833	132.747
37.000	132.745
37.167	132.743

Deberry Engineers, Inc.  
 01/23/2023

37.333	132.800
37.500	132.799
37.667	132.798
37.833	132.797
38.000	132.796
38.167	132.795
38.333	132.794
38.500	132.793
38.667	132.792
38.833	132.791
39.000	132.790
39.167	132.789
39.333	132.788
39.500	132.787
39.667	132.786
39.833	132.785
40.000	132.784
40.167	132.783
40.333	132.782
40.500	132.781
40.667	132.780
40.833	132.779
41.000	132.778
41.167	132.777
41.333	132.776
41.500	132.775
41.667	132.774
41.833	132.773
42.000	132.772
42.167	132.771
42.333	132.770
42.500	132.769
42.667	132.768
42.833	132.767
43.000	132.766
43.167	132.765
43.333	132.764
43.500	132.763
43.667	132.762
43.833	132.761
44.000	132.760
44.167	132.759
44.333	132.758
44.500	132.757
44.667	132.756
44.833	132.755
45.000	132.754
45.167	132.753
45.333	132.752
45.500	132.751
45.667	132.750
45.833	132.749
46.000	132.748
46.167	132.747
46.333	132.746
46.500	132.745
46.667	132.744
46.833	132.743
47.000	132.742
47.167	132.741
47.333	132.740
47.500	132.739
47.667	132.738
47.833	132.737
48.000	132.736
48.167	132.735
48.333	132.734
48.500	132.733
48.667	132.732
48.833	132.731
49.000	132.730
49.167	132.729
49.333	132.728

Deberry Engineers, Inc.  
 01/23/2023

49,500	132.764
49,667	132.764
49,833	132.763
50,000	132.763
50,167	132.762
50,333	132.762
50,500	132.762
50,667	132.762
50,833	132.762
51,000	132.761
51,167	132.761
51,333	132.761
51,500	132.760
51,667	132.760
51,833	132.759
52,000	132.759
52,167	132.758
52,333	132.758
52,500	132.758
52,667	132.758
52,833	132.758
53,000	132.758
53,167	132.757
53,333	132.757
53,500	132.757
53,667	132.757
53,833	132.756
54,000	132.756
54,167	132.755
54,333	132.755
54,500	132.755
54,667	132.755
54,833	132.755
55,000	132.754
55,167	132.754
55,333	132.754
55,500	132.754
55,667	132.753
55,833	132.753
56,000	132.753
56,167	132.752
56,333	132.752
56,500	132.752
56,667	132.752
56,833	132.752
57,000	132.751
57,167	132.751
57,333	132.751
57,500	132.751
57,667	132.751
57,833	132.750
58,000	132.750
58,167	132.749
58,333	132.749
58,500	132.749
58,667	132.749
58,833	132.749
59,000	132.749
59,167	132.748
59,333	132.748
59,500	132.748
59,667	132.748
59,833	132.748
59,999	132.748
60,167	132.747
60,333	132.747
60,500	132.747
60,667	132.746
60,833	132.746
61,000	132.746
61,167	132.746
61,333	132.746
61,500	132.745

Deberry Engineers, Inc.  
 01/23/2023

61,667	132.745
61,833	132.745
62,000	132.745
62,167	132.745
62,333	132.744
62,500	132.744
62,667	132.744
62,833	132.744
63,000	132.744
63,167	132.743
63,333	132.743
63,500	132.743
63,667	132.743
63,833	132.743
64,000	132.743
64,167	132.742
64,333	132.742
64,500	132.742
64,667	132.742
64,833	132.742
65,000	132.741
65,167	132.741
65,333	132.741
65,500	132.741
65,667	132.741
65,833	132.741
66,000	132.740
66,167	132.740
66,333	132.740
66,500	132.740
66,667	132.740
66,833	132.739
67,000	132.739
67,167	132.739
67,333	132.739
67,500	132.739
67,667	132.739
67,833	132.738
68,000	132.738
68,167	132.738
68,333	132.738
68,500	132.738
68,667	132.738
68,833	132.738
69,000	132.737
69,167	132.737
69,333	132.737
69,500	132.737
69,667	132.737
69,833	132.737
70,000	132.736
70,167	132.736
70,333	132.736
70,500	132.736
70,667	132.736
70,833	132.736
71,000	132.736
71,167	132.735
71,333	132.735
71,500	132.735
71,667	132.735
71,833	132.735
72,000	132.735
72,167	132.734
72,333	132.734
72,500	132.734
72,667	132.734
72,833	132.734
73,000	132.734
73,167	132.734
73,333	132.734
73,500	132.733
73,667	132.733

Deberry Engineers, Inc.  
 01/23/2023

73.833	132.733
74.000	132.733
74.167	132.733
74.333	132.733
74.500	132.732
74.667	132.732
74.833	132.732
75.000	132.732
75.167	132.732
75.333	132.732
75.500	132.732
75.667	132.732
75.833	132.731
76.000	132.731
76.167	132.731
76.333	132.731
76.500	132.731
76.667	132.731
76.833	132.731
77.000	132.731
77.167	132.730
77.333	132.730
77.500	132.730
77.667	132.730
77.833	132.730
78.000	132.730
78.167	132.730
78.333	132.729
78.500	132.729
78.667	132.729
78.833	132.729
79.000	132.729
79.167	132.729
79.333	132.729
79.500	132.729
79.667	132.729
79.833	132.728
80.000	132.728
80.167	132.728
80.333	132.728
80.500	132.728
80.667	132.728
80.833	132.728
81.000	132.728
81.167	132.728
81.333	132.727
81.500	132.727
81.667	132.727
81.833	132.727
82.000	132.727
82.167	132.727
82.333	132.727
82.500	132.727
82.667	132.727
82.833	132.726
83.000	132.726
83.167	132.726
83.333	132.726
83.500	132.726
83.667	132.726
83.833	132.726
84.000	132.726
84.167	132.726
84.333	132.726
84.500	132.725
84.667	132.725
84.833	132.725
85.000	132.725
85.167	132.725
85.333	132.725
85.500	132.725
85.667	132.725
85.833	132.725

86.000	132.724
86.167	132.724
86.333	132.724
86.500	132.724
86.667	132.724
86.833	132.724
87.000	132.724
87.167	132.724
87.333	132.724
87.500	132.724
87.667	132.723
87.833	132.723
88.000	132.723
88.167	132.723
88.333	132.723
88.500	132.723
88.667	132.723
88.833	132.723
89.000	132.723
89.167	132.722
89.333	132.722
89.500	132.722
89.667	132.722
89.833	132.722
90.000	132.722
90.167	132.722
90.333	132.722
90.500	132.722
90.667	132.722
90.833	132.722
91.000	132.722
91.167	132.721
91.333	132.721
91.500	132.721
91.667	132.721
91.833	132.721
92.000	132.721
92.167	132.721
92.333	132.721
92.500	132.721
92.667	132.721
92.833	132.721
93.000	132.720
93.167	132.720
93.333	132.720
93.500	132.720
93.667	132.720
93.833	132.720
94.000	132.720
94.167	132.720
94.333	132.720
94.500	132.720
94.667	132.719
94.833	132.719
95.000	132.719
95.167	132.719
95.333	132.719
95.500	132.719
95.667	132.719
95.833	132.719
96.000	132.719
96.167	132.719
96.333	132.719
96.500	132.719
96.667	132.718
96.833	132.718
97.000	132.718
97.167	132.718
97.333	132.718
97.500	132.718
97.667	132.718
97.833	132.718
98.000	132.718

98.167	132.718
98.333	132.718
98.500	132.718
98.667	132.718
98.833	132.717
99.000	132.717
99.167	132.717
99.333	132.717
99.500	132.717
99.667	132.717
99.833	132.717
100.000	132.717
100.167	132.717
100.333	132.717
100.500	132.717
100.667	132.717
100.833	132.716
101.000	132.716
101.167	132.716
101.333	132.716
101.500	132.716
101.667	132.716
101.833	132.716
102.000	132.716
102.167	132.716
102.333	132.716
102.500	132.716
102.667	132.716
102.833	132.716
103.000	132.716
103.167	132.715
103.333	132.715
103.500	132.715
103.667	132.715
103.833	132.715
104.000	132.715
104.167	132.715
104.333	132.715
104.500	132.715
104.667	132.715
104.833	132.715
105.000	132.715
105.167	132.715
105.333	132.714
105.500	132.714
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182.167	132.696
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182.500	132.696
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182.833	132.696
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183.167	132.696

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184.167	132.693
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187.167	132.693
187.333	132.693
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190.167	132.692
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190.833	132.692
191.000	132.692
191.167	132.692
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191.833	132.692
192.000	132.692
192.167	132.692
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192.500	132.692
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192.833	132.692
193.000	132.692
193.167	132.692
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193.667	132.692
193.833	132.692
194.000	132.692
194.167	132.692
194.333	132.692
194.500	132.692
194.667	132.692
194.833	132.692
195.000	132.692
195.167	132.692
195.333	132.692

195.500	132.692
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195.833	132.692
196.000	132.692
196.167	132.691
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197.000	132.691
197.167	132.691
197.333	132.691
197.500	132.691
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198.000	132.691
198.167	132.691
198.333	132.691
198.500	132.691
198.667	132.691
198.833	132.691
199.000	132.691
199.167	132.691
199.333	132.691
199.500	132.691
199.667	132.691
199.833	132.691
200.000	132.691

Name: 50yrE24hr Node: NH000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.300
0.167	132.299
0.333	132.298
0.500	132.297
0.667	132.296
0.833	132.295
1.000	132.294
1.167	132.293
1.333	132.293
1.500	132.292
1.667	132.292
1.833	132.292
2.000	132.293
2.167	132.293
2.333	132.293
2.500	132.294
2.667	132.294
2.833	132.294
3.000	132.294
3.167	132.297
3.333	132.299
3.500	132.299
3.667	132.300
3.833	132.302
4.000	132.303
4.167	132.304
4.333	132.306
4.500	132.307
4.667	132.309
4.833	132.311
5.000	132.312
5.167	132.314
5.333	132.316
5.500	132.318
5.667	132.320
5.833	132.322
6.000	132.324
6.167	132.326
6.333	132.328

6.500	132.330
6.667	132.332
6.833	132.335
7.000	132.337
7.167	132.340
7.333	132.342
7.500	132.345
7.667	132.347
7.833	132.350
8.000	132.353
8.167	132.356
8.334	132.359
8.500	132.362
8.667	132.365
8.833	132.369
9.000	132.372
9.167	132.375
9.333	132.379
9.500	132.383
9.667	132.387
9.833	132.391
10.000	132.396
10.167	132.400
10.333	132.405
10.500	132.410
10.667	132.415
10.834	132.421
11.000	132.427
11.167	132.433
11.333	132.440
11.500	132.447
11.667	132.456
11.833	132.466
12.000	132.485
12.167	132.509
12.333	132.542
12.500	132.580
12.667	132.620
12.833	132.658
13.000	132.692
13.167	132.722
13.334	132.750
13.500	132.775
13.667	132.797
13.834	132.818
14.000	132.836
14.167	132.853
14.334	132.868
14.500	132.883
14.667	132.898
14.834	132.908
15.000	132.919
15.167	132.929
15.333	132.939
15.500	132.948
15.667	132.957
15.834	132.965
16.000	132.972
16.167	132.979
16.334	132.985
16.500	132.991
16.667	132.996
16.834	133.001
17.000	133.006
17.167	133.011
17.333	133.015
17.500	133.019
17.667	133.023
17.833	133.026
18.000	133.030
18.167	133.034
18.334	133.037
18.500	133.040

18.667	133.044
18.833	133.047
19.000	133.050
19.167	133.053
19.333	133.056
19.500	133.059
19.667	133.062
19.834	133.065
20.000	133.068
20.167	133.070
20.334	133.073
20.500	133.076
20.667	133.078
20.834	133.081
21.000	133.083
21.167	133.086
21.333	133.089
21.500	133.091
21.667	133.093
21.833	133.095
22.000	133.098
22.167	133.100
22.334	133.102
22.500	133.105
22.667	133.107
22.834	133.109
23.000	133.111
23.167	133.113
23.333	133.115
23.500	133.118
23.667	133.120
23.834	133.122
24.000	133.124
24.167	133.126
24.334	133.127
24.500	133.129
24.667	133.131
24.834	133.132
25.000	133.133
25.167	133.134
25.333	133.136
25.500	133.138
25.667	133.137
25.833	133.137
26.000	133.139
26.167	133.138
26.333	133.138
26.500	133.139
26.667	133.139
26.833	133.139
27.000	133.140
27.167	133.140
27.333	133.140
27.500	133.140
27.667	133.141
27.833	133.141
28.000	133.141
28.167	133.141
28.333	133.141
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28.833	133.141
29.000	133.142
29.167	133.142
29.333	133.142
29.500	133.142
29.667	133.142
29.833	133.142
30.000	133.142
30.167	133.142
30.333	133.142
30.500	133.142
30.667	133.142

Deberry Engineers, Inc.  
 01/23/2023

30.833	133.143
31.000	133.143
31.167	133.143
31.333	133.143
31.500	133.143
31.667	133.143
31.833	133.143
32.000	133.143
32.167	133.143
32.333	133.143
32.500	133.143
32.667	133.143
32.833	133.143
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33.167	133.143
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42.833	133.136

Deberry Engineers, Inc.  
 01/23/2023

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54.833	133.122
55.000	133.121

Deberry Engineers, Inc.  
 01/23/2023

55.167	133.121
55.333	133.121
55.500	133.121
55.667	133.121
55.833	133.120
56.000	133.120
56.167	133.120
56.333	133.120
56.500	133.120
56.667	133.119
56.833	133.119
57.000	133.119
57.167	133.119
57.333	133.119
57.500	133.118
57.667	133.118
57.833	133.118
58.000	133.118
58.167	133.117
58.333	133.117
58.500	133.117
58.667	133.117
58.833	133.117
59.000	133.116
59.167	133.116
59.333	133.116
59.500	133.116
59.667	133.116
59.833	133.115
60.000	133.115
60.167	133.115
60.333	133.115
60.500	133.115
60.667	133.114
60.833	133.114
61.000	133.114
61.167	133.114
61.333	133.113
61.500	133.113
61.667	133.113
61.833	133.113
62.000	133.112
62.167	133.112
62.333	133.112
62.500	133.112
62.667	133.112
62.833	133.112
63.000	133.111
63.167	133.111
63.333	133.111
63.500	133.111
63.667	133.110
63.833	133.110
64.000	133.110
64.167	133.110
64.333	133.110
64.500	133.109
64.667	133.109
64.833	133.109
65.000	133.109
65.167	133.109
65.333	133.108
65.500	133.108
65.667	133.108
65.833	133.108
66.000	133.108
66.167	133.107
66.333	133.107
66.500	133.107
66.667	133.107
66.833	133.106
67.000	133.106
67.167	133.106

Deberry Engineers, Inc.  
 01/23/2023

67.333	133.106
67.500	133.106
67.667	133.105
67.833	133.105
68.000	133.105
68.167	133.105
68.333	133.105
68.500	133.104
68.667	133.104
68.833	133.104
69.000	133.104
69.167	133.103
69.333	133.103
69.500	133.103
69.667	133.103
69.833	133.103
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70.167	133.102
70.333	133.102
70.500	133.102
70.667	133.102
70.833	133.101
71.000	133.101
71.167	133.101
71.333	133.101
71.500	133.100
71.667	133.100
71.833	133.100
72.000	133.100
72.167	133.099
72.333	133.099
72.500	133.099
72.667	133.099
72.833	133.099
73.000	133.098
73.167	133.098
73.333	133.098
73.500	133.098
73.667	133.098
73.833	133.097
74.000	133.097
74.167	133.097
74.333	133.097
74.500	133.097
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74.833	133.096
75.000	133.096
75.167	133.096
75.333	133.096
75.500	133.095
75.667	133.095
75.833	133.095
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76.167	133.094
76.333	133.094
76.500	133.094
76.667	133.094
76.833	133.094
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77.167	133.093
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79.167	133.091
79.333	133.090

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79.833	133.090
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81.833	133.087
82.000	133.087
82.167	133.086
82.333	133.086
82.500	133.086
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82.833	133.086
83.000	133.086
83.167	133.085
83.333	133.085
83.500	133.085
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85.333	133.082
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85.667	133.082
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86.000	133.081
86.167	133.081
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90.667	133.075
90.833	133.075
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91.167	133.075
91.333	133.075
91.500	133.074

91.667	133.074
91.833	133.074
92.000	133.074
92.167	133.073
92.333	133.072
92.500	133.072
92.667	133.073
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96.333	133.068
96.500	133.068
96.667	133.067
96.833	133.067
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97.167	133.067
97.333	133.067
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97.833	133.066
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99.333	133.064
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99.667	133.063
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101.000	133.062
101.167	133.061
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102.500	133.060
102.667	133.059
102.833	133.059
103.000	133.059
103.167	133.059
103.333	133.059
103.500	133.058
103.667	133.058

103.833	133.058
104.000	133.058
104.167	133.057
104.333	133.057
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104.667	133.057
104.833	133.057
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105.667	133.055
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106.333	133.054
106.500	133.054
106.667	133.054
106.833	133.054
107.000	133.054
107.167	133.053
107.333	133.053
107.500	133.053
107.667	133.053
107.833	133.053
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108.333	133.052
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108.667	133.051
108.833	133.051
109.000	133.051
109.167	133.051
109.333	133.051
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110.167	133.049
110.333	133.049
110.500	133.049
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111.167	133.048
111.333	133.048
111.500	133.048
111.667	133.047
111.833	133.047
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112.167	133.047
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112.500	133.046
112.667	133.046
112.833	133.046
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113.167	133.045
113.333	133.045
113.500	133.045
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114.167	133.044
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114.667	133.043
114.833	133.043
115.000	133.043
115.167	133.043
115.333	133.042
115.500	133.042
115.667	133.042
115.833	133.042

116.000	133.042
116.167	133.041
116.333	133.041
116.500	133.041
116.667	133.041
116.833	133.040
117.000	133.040
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123.333	133.032
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123.667	133.031
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124.000	133.031
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124.667	133.030
124.833	133.030
125.000	133.029
125.167	133.029
125.333	133.029
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126.167	133.028
126.333	133.028
126.500	133.027
126.667	133.027
126.833	133.027
127.000	133.027
127.167	133.026
127.333	133.026
127.500	133.026
127.667	133.026
127.833	133.026
128.000	133.025

Deberry Engineers, Inc.  
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128.167	133.025
128.333	133.025
128.500	133.025
128.667	133.024
128.833	133.024
129.000	133.024
129.167	133.024
129.333	133.024
129.500	133.023
129.667	133.023
129.833	133.023
130.000	133.023
130.167	133.022
130.333	133.022
130.500	133.022
130.667	133.022
130.833	133.021
131.000	133.021
131.167	133.021
131.333	133.021
131.500	133.021
131.667	133.020
131.833	133.020
132.000	133.020
132.167	133.020
132.333	133.020
132.500	133.019
132.667	133.019
132.833	133.019
133.000	133.018
133.167	133.018
133.333	133.018
133.500	133.018
133.667	133.018
133.833	133.017
134.000	133.017
134.167	133.017
134.333	133.017
134.500	133.017
134.667	133.016
134.833	133.016
135.000	133.016
135.167	133.016
135.333	133.015
135.500	133.015
135.667	133.015
135.833	133.015
136.000	133.015
136.167	133.014
136.333	133.014
136.500	133.014
136.667	133.014
136.833	133.013
137.000	133.013
137.167	133.013
137.333	133.013
137.500	133.013
137.667	133.012
137.833	133.012
138.000	133.012
138.167	133.012
138.333	133.011
138.500	133.011
138.667	133.011
138.833	133.011
139.000	133.010
139.167	133.010
139.333	133.010
139.500	133.010
139.667	133.010
139.833	133.009
140.000	133.009
140.167	133.009

Deberry Engineers, Inc.  
 01/23/2023

140.333	133.009
140.500	133.008
140.667	133.008
140.833	133.008
141.000	133.008
141.167	133.007
141.333	133.007
141.500	133.007
141.667	133.007
141.833	133.007
142.000	133.006
142.167	133.006
142.333	133.006
142.500	133.006
142.667	133.006
142.833	133.002
143.000	133.002
143.167	133.005
143.333	133.005
143.500	133.004
143.667	133.004
143.833	133.004
144.000	133.004
144.167	133.003
144.333	133.003
144.500	133.003
144.667	133.003
144.833	133.002
145.000	133.002
145.167	133.002
145.333	133.002
145.500	133.002
145.667	133.001
145.833	133.001
146.000	133.001
146.167	133.001
146.333	133.001
146.500	133.000
146.667	133.000
146.833	133.000
147.000	132.999
147.167	132.999
147.333	132.999
147.500	132.999
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147.833	132.999
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148.333	132.998
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149.333	132.996
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149.667	132.996
149.833	132.996
150.000	132.996
150.167	132.995
150.333	132.995
150.500	132.995
150.667	132.995
150.833	132.994
151.000	132.994
151.167	132.994
151.333	132.994
151.500	132.994
151.667	132.993
151.833	132.993
152.000	132.993
152.167	132.993
152.333	132.992

Deberry Engineers, Inc.  
 01/23/2023

152.500	132.992
152.667	132.992
152.833	132.992
153.000	132.992
153.167	132.991
153.333	132.991
153.500	132.991
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153.833	132.990
154.000	132.990
154.167	132.990
154.333	132.990
154.500	132.990
154.667	132.989
154.833	132.989
155.000	132.989
155.167	132.988
155.333	132.988
155.500	132.988
155.667	132.988
155.833	132.988
156.000	132.987
156.167	132.987
156.333	132.987
156.500	132.987
156.667	132.987
156.833	132.986
157.000	132.986
157.167	132.986
157.333	132.986
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157.667	132.985
157.833	132.985
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159.167	132.983
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159.667	132.983
159.833	132.982
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160.167	132.982
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161.167	132.981
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162.167	132.979
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162.667	132.978
162.833	132.978
163.000	132.978
163.167	132.978
163.333	132.977
163.500	132.977
163.667	132.977
163.833	132.977
164.000	132.977
164.167	132.976
164.333	132.976
164.500	132.976

Deberry Engineers, Inc.  
 01/23/2023



164.667	132.976
164.833	132.976
165.000	132.976
165.167	132.976
165.333	132.976
165.500	132.976
165.667	132.974
166.000	132.974
166.167	132.974
166.333	132.974
166.500	132.973
166.667	132.973
167.000	132.973
167.167	132.972
167.333	132.972
167.500	132.972
167.667	132.972
168.000	132.972
168.167	132.971
168.333	132.971
168.500	132.971
168.667	132.970
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169.333	132.969
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169.667	132.969
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170.667	132.968
170.833	132.967
171.000	132.967
171.167	132.967
171.333	132.967
171.500	132.967
171.667	132.966
171.833	132.966
172.000	132.966
172.167	132.966
172.333	132.966
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174.333	132.963
174.500	132.963
174.667	132.962
174.833	132.962
175.000	132.962
175.167	132.961
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175.667	132.961
175.833	132.961
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176.167	132.960
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176.500	132.960
176.667	132.960

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177.167	132.959
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179.167	132.956
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182.667	132.952
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184.833	132.949
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187.833	132.945
188.000	132.944
188.167	132.944
188.333	132.944
188.500	132.944
188.667	132.944
188.833	132.944

189.000	132.943
189.167	132.943
189.333	132.943
189.500	132.943
189.667	132.942
190.000	132.942
190.167	132.942
190.333	132.941
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191.167	132.940
191.333	132.940
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192.167	132.939
192.333	132.939
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194.333	132.936
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195.000	132.935
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197.333	132.932
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197.667	132.931
197.833	132.931
198.000	132.931
198.167	132.931
198.333	132.931
198.500	132.931
198.667	132.930
198.833	132.930
199.000	132.930
199.167	132.930
199.333	132.929
199.500	132.929
199.667	132.929
199.833	132.929
200.000	132.929

Name: 50yr24hr Node: NO14000 Type: Stage  
 Time (hrs) Stage (ft)

0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.411
1.333	132.411
1.500	132.412
1.667	132.413
1.833	132.413
2.000	132.415
2.167	132.417
2.333	132.418
2.500	132.420
2.667	132.422
2.833	132.424
3.000	132.426
3.167	132.428
3.333	132.430
3.500	132.432
3.667	132.435
3.833	132.437
4.000	132.439
4.167	132.442
4.333	132.444
4.500	132.446
4.667	132.449
4.833	132.452
5.000	132.454
5.167	132.457
5.333	132.460
5.500	132.462
5.667	132.465
5.833	132.468
6.000	132.471
6.167	132.474
6.333	132.477
6.500	132.480
6.667	132.483
6.833	132.486
7.000	132.489
7.167	132.493
7.333	132.496
7.500	132.500
7.667	132.503
7.833	132.507
8.000	132.511
8.167	132.514
8.333	132.518
8.500	132.522
8.667	132.526
8.833	132.531
9.000	132.535
9.167	132.540
9.333	132.545
9.500	132.550
9.667	132.555
9.833	132.560
10.000	132.566
10.167	132.572
10.333	132.578
10.500	132.582
10.667	132.589
10.833	132.599
11.000	132.607
11.167	132.615
11.333	132.624
11.500	132.634
11.667	132.647
11.833	132.666
12.000	132.696

12.167	132.740
12.333	132.793
12.500	132.847
12.667	132.901
12.834	132.954
13.000	132.969
13.167	132.996
13.334	133.018
13.500	133.036
13.667	133.051
13.834	133.062
14.000	133.071
14.167	133.077
14.334	133.081
14.500	133.083
14.667	133.084
14.834	133.084
15.000	133.081
15.167	133.079
15.333	133.077
15.500	133.078
15.667	133.082
15.834	133.086
16.000	133.090
16.167	133.094
16.334	133.098
16.500	133.101
16.667	133.102
16.834	133.102
17.000	133.110
17.167	133.113
17.333	133.115
17.500	133.118
17.667	133.120
17.833	133.122
18.000	133.124
18.167	133.126
18.334	133.127
18.500	133.128
18.667	133.130
18.834	133.132
19.000	133.133
19.167	133.134
19.334	133.135
19.500	133.136
19.667	133.137
19.834	133.138
20.000	133.139
20.167	133.140
20.334	133.141
20.500	133.141
20.667	133.142
20.834	133.142
21.000	133.143
21.167	133.143
21.334	133.143
21.500	133.144
21.667	133.144
21.833	133.144
22.000	133.144
22.167	133.144
22.334	133.145
22.500	133.145
22.667	133.145
22.834	133.145
23.000	133.145
23.167	133.145
23.334	133.145
23.500	133.145
23.667	133.145
23.834	133.145
24.000	133.144
24.167	133.144

Deberry Engineers, Inc.  
 01/23/2023

24.334	133.143
24.500	133.142
24.667	133.141
24.834	133.140
25.000	133.138
25.167	133.136
25.334	133.134
25.500	133.132
25.667	133.130
25.833	133.128
26.000	133.125
26.167	133.123
26.333	133.120
26.500	133.118
26.667	133.116
26.833	133.114
27.000	133.111
27.167	133.108
27.333	133.106
27.500	133.103
27.667	133.100
27.833	133.098
28.000	133.095
28.167	133.093
28.333	133.090
28.500	133.088
28.667	133.086
28.833	133.084
29.000	133.081
29.167	133.078
29.333	133.076
29.500	133.073
29.667	133.071
29.833	133.068
30.000	133.066
30.167	133.064
30.333	133.061
30.500	133.059
30.667	133.057
30.833	133.054
31.000	133.052
31.167	133.049
31.333	133.047
31.500	133.044
31.667	133.042
31.833	133.040
32.000	133.037
32.167	133.035
32.333	133.033
32.500	133.030
32.667	133.028
32.833	133.026
33.000	133.024
33.167	133.021
33.333	133.019
33.500	133.017
33.667	133.014
33.833	133.012
34.000	133.010
34.167	133.008
34.333	133.005
34.500	133.003
34.667	133.001
34.833	133.001
35.000	132.996
35.167	132.992
35.333	132.989
35.500	132.990
35.667	132.988
35.833	132.986
36.000	132.983
36.167	132.981
36.333	132.979

Deberry Engineers, Inc.  
 01/23/2023

36.500	132.977
36.667	132.975
36.833	132.972
37.000	132.971
37.167	132.968
37.333	132.966
37.500	132.964
37.667	132.962
37.833	132.960
38.000	132.958
38.167	132.956
38.333	132.954
38.500	132.952
38.667	132.950
38.833	132.948
39.000	132.946
39.167	132.944
39.333	132.943
39.500	132.940
39.667	132.938
39.833	132.936
40.000	132.934
40.167	132.932
40.333	132.930
40.500	132.928
40.667	132.926
40.833	132.924
41.000	132.922
41.167	132.920
41.333	132.918
41.500	132.916
41.667	132.914
41.833	132.913
42.000	132.911
42.167	132.909
42.333	132.907
42.500	132.905
42.667	132.903
42.833	132.902
43.000	132.900
43.167	132.898
43.333	132.896
43.500	132.894
43.667	132.893
43.833	132.891
44.000	132.889
44.167	132.887
44.333	132.886
44.500	132.884
44.667	132.882
44.833	132.881
45.000	132.879
45.167	132.877
45.333	132.875
45.500	132.874
45.667	132.872
45.833	132.871
46.000	132.869
46.167	132.867
46.333	132.866
46.500	132.864
46.667	132.863
46.833	132.861
47.000	132.859
47.167	132.858
47.333	132.857
47.500	132.855
47.667	132.854
47.833	132.852
48.000	132.851
48.167	132.849
48.333	132.848
48.500	132.847

Deberry Engineers, Inc.  
 01/23/2023

48.667	132.845
48.833	132.844
49.000	132.843
49.167	132.841
49.333	132.840
49.500	132.839
49.667	132.838
49.833	132.836
50.000	132.835
50.167	132.834
50.333	132.833
50.500	132.832
50.667	132.831
50.833	132.830
51.000	132.829
51.167	132.827
51.333	132.825
51.500	132.825
51.667	132.824
51.833	132.823
52.000	132.822
52.167	132.821
52.333	132.820
52.500	132.819
52.667	132.818
52.833	132.818
53.000	132.817
53.167	132.816
53.333	132.815
53.500	132.814
53.667	132.814
53.833	132.812
54.000	132.811
54.167	132.810
54.333	132.810
54.500	132.809
54.667	132.808
54.833	132.807
55.000	132.806
55.167	132.806
55.333	132.805
55.500	132.804
55.667	132.803
55.833	132.803
56.000	132.802
56.167	132.801
56.333	132.800
56.500	132.800
56.667	132.799
56.833	132.798
57.000	132.798
57.167	132.796
57.333	132.795
57.500	132.795
57.667	132.794
57.833	132.794
58.000	132.794
58.167	132.793
58.333	132.793
58.500	132.792
58.667	132.791
58.833	132.791
59.000	132.790
59.167	132.789
59.333	132.789
59.500	132.788
59.667	132.788
59.833	132.787
60.000	132.787
60.167	132.786
60.333	132.786
60.500	132.785
60.667	132.785

Deberry Engineers, Inc.  
 01/23/2023

60.833	132.784
61.000	132.783
61.167	132.782
61.333	132.782
61.500	132.781
61.667	132.781
61.833	132.781
62.000	132.780
62.167	132.780
62.333	132.779
62.500	132.779
62.667	132.779
62.833	132.778
63.000	132.778
63.167	132.777
63.333	132.777
63.500	132.776
63.667	132.776
63.833	132.775
64.000	132.775
64.167	132.774
64.333	132.774
64.500	132.774
64.667	132.773
64.833	132.773
65.000	132.773
65.167	132.772
65.333	132.772
65.500	132.771
65.667	132.771
65.833	132.770
66.000	132.770
66.167	132.770
66.333	132.769
66.500	132.769
66.667	132.768
66.833	132.768
67.000	132.768
67.167	132.767
67.333	132.767
67.500	132.766
67.667	132.766
67.833	132.766
68.000	132.766
68.167	132.765
68.333	132.765
68.500	132.765
68.667	132.765
68.833	132.764
69.000	132.764
69.167	132.764
69.333	132.763
69.500	132.763
69.667	132.762
69.833	132.762
70.000	132.762
70.167	132.762
70.333	132.761
70.500	132.761
70.667	132.760
70.833	132.760
71.000	132.760
71.167	132.759
71.333	132.759
71.500	132.759
71.667	132.758
71.833	132.758
72.000	132.758
72.167	132.758
72.333	132.757
72.500	132.757
72.667	132.757
72.833	132.757

73.000	132.756
73.167	132.756
73.333	132.756
73.500	132.756
73.667	132.755
73.833	132.755
74.000	132.755
74.167	132.754
74.333	132.754
74.500	132.754
74.667	132.754
74.833	132.754
75.000	132.753
75.167	132.753
75.333	132.753
75.500	132.752
75.667	132.752
75.833	132.752
76.000	132.752
76.167	132.751
76.333	132.751
76.500	132.751
76.667	132.751
76.833	132.750
77.000	132.750
77.167	132.750
77.333	132.750
77.500	132.749
77.667	132.749
77.833	132.749
78.000	132.749
78.167	132.748
78.333	132.748
78.500	132.748
78.667	132.748
78.833	132.748
79.000	132.748
79.167	132.747
79.333	132.747
79.500	132.747
79.667	132.747
79.833	132.747
80.000	132.746
80.167	132.746
80.333	132.746
80.500	132.746
80.667	132.745
80.833	132.745
81.000	132.745
81.167	132.745
81.333	132.745
81.500	132.744
81.667	132.744
81.833	132.744
82.000	132.744
82.167	132.744
82.333	132.744
82.500	132.743
82.667	132.743
82.833	132.743
83.000	132.743
83.167	132.743
83.333	132.742
83.500	132.742
83.667	132.742
83.833	132.742
84.000	132.742
84.167	132.741
84.333	132.741
84.500	132.741
84.667	132.741
84.833	132.741
85.000	132.741

85.167	132.740
85.333	132.740
85.500	132.740
85.667	132.740
85.833	132.740
86.000	132.739
86.167	132.739
86.333	132.739
86.500	132.739
86.667	132.739
86.833	132.739
87.000	132.738
87.167	132.738
87.333	132.738
87.500	132.738
87.667	132.738
88.000	132.737
88.167	132.737
88.333	132.737
88.500	132.737
88.667	132.737
88.833	132.737
89.000	132.737
89.167	132.736
89.333	132.736
89.500	132.736
89.667	132.736
89.833	132.736
90.000	132.736
90.167	132.735
90.333	132.735
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90.833	132.735
91.000	132.735
91.167	132.735
91.333	132.735
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91.833	132.734
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92.833	132.733
93.000	132.733
93.167	132.733
93.333	132.733
93.500	132.733
93.667	132.733
93.833	132.732
94.000	132.732
94.167	132.732
94.333	132.732
94.500	132.732
94.667	132.732
94.833	132.732
95.000	132.732
95.167	132.731
95.333	132.731
95.500	132.731
95.667	132.731
95.833	132.731
96.000	132.731
96.167	132.731
96.333	132.730
96.500	132.730
96.667	132.730
96.833	132.730
97.000	132.730
97.167	132.730

Deberry Engineers, Inc.  
 01/23/2023

97.333	132.730
97.500	132.730
97.667	132.729
97.833	132.729
98.000	132.729
98.167	132.729
98.333	132.729
98.500	132.729
98.667	132.729
98.833	132.729
99.000	132.729
99.167	132.728
99.333	132.728
99.500	132.728
99.667	132.728
99.833	132.728
100.000	132.728
100.167	132.728
100.333	132.728
100.500	132.727
100.667	132.727
100.833	132.727
101.000	132.727
101.167	132.727
101.333	132.727
101.500	132.727
101.667	132.727
101.833	132.726
102.000	132.726
102.167	132.726
102.333	132.726
102.500	132.726
102.667	132.726
102.833	132.726
103.000	132.726
103.167	132.726
103.333	132.726
103.500	132.726
103.667	132.726
103.833	132.725
104.000	132.725
104.167	132.725
104.333	132.725
104.500	132.725
104.667	132.725
104.833	132.725
105.000	132.725
105.167	132.724
105.333	132.724
105.500	132.724
105.667	132.724
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106.667	132.724
106.833	132.723
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107.167	132.723
107.333	132.723
107.500	132.723
107.667	132.723
107.833	132.723
108.000	132.723
108.167	132.723
108.333	132.723
108.500	132.722
108.667	132.722
108.833	132.722
109.000	132.722
109.167	132.722
109.333	132.722

Deberry Engineers, Inc.  
 01/23/2023

109,500	132,722
109,667	132,722
109,833	132,722
110,000	132,722
110,167	132,722
110,333	132,722
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110,667	132,721
110,833	132,721
111,000	132,721
111,167	132,721
111,333	132,721
111,500	132,721
111,667	132,721
111,833	132,721
112,000	132,721
112,167	132,720
112,333	132,720
112,500	132,720
112,667	132,720
112,833	132,720
113,000	132,720
113,167	132,720
113,333	132,720
113,500	132,720
113,667	132,720
113,833	132,720
114,000	132,719
114,167	132,719
114,333	132,719
114,500	132,719
114,667	132,719
114,833	132,719
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115,167	132,719
115,333	132,719
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115,667	132,719
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116,000	132,718
116,167	132,718
116,333	132,718
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117,167	132,718
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120,667	132,716
120,833	132,716
121,000	132,716
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121,333	132,716
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121,833	132,716
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124,000	132,715
124,167	132,715
124,333	132,715
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124,833	132,714
125,000	132,714
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126,000	132,714
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127,000	132,713
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133,667	132,711

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138.667	132.709
138.833	132.709
139.000	132.709
139.167	132.709
139.333	132.709
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139.833	132.709
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144.667	132.707
144.833	132.707
145.000	132.707
145.167	132.707
145.333	132.707
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145.667	132.707
145.833	132.707

146.000	132.707
146.167	132.707
146.333	132.706
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146.667	132.706
146.833	132.706
147.000	132.706
147.167	132.706
147.333	132.706
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147.667	132.706
147.833	132.706
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148.167	132.706
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149.167	132.706
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157.167	132.703
157.333	132.703
157.500	132.703
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157.833	132.703
158.000	132.703



158.167	132.703
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158.667	132.703
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159.667	132.703
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161.167	132.702
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187.333	132.696
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190.167	132.696
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191.167	132.696
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192.167	132.695
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193.167	132.695
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193.833	132.695
194.000	132.695
194.167	132.695
194.333	132.695
194.500	132.695

194.667	132.695
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195.000	132.695
195.167	132.695
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197.833	132.694
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198.167	132.694
198.333	132.694
198.500	132.694
198.667	132.694
198.833	132.694
199.000	132.694
199.167	132.694
199.333	132.694
199.500	132.694
199.667	132.694
199.833	132.694
200.000	132.694

Name: 25Yr24hr Node: NH8000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.309
0.167	132.309
0.333	132.298
0.500	132.297
0.667	132.296
0.833	132.296
1.000	132.295
1.167	132.294
1.333	132.293
1.500	132.292
1.667	132.292
1.833	132.292
2.000	132.291
2.167	132.291
2.333	132.292
2.500	132.292
2.667	132.292
2.833	132.293
3.000	132.293
3.167	132.294
3.333	132.294
3.500	132.295
3.667	132.296
3.833	132.297
4.000	132.299
4.167	132.300
4.333	132.300
4.500	132.301
4.667	132.302
4.833	132.304
5.000	132.305
5.167	132.306
5.333	132.308
5.500	132.309

5.667	132.311
5.833	132.312
6.000	132.314
6.167	132.316
6.333	132.319
6.500	132.321
6.667	132.323
7.000	132.325
7.167	132.327
7.333	132.329
7.500	132.331
7.667	132.333
7.833	132.335
8.000	132.338
8.167	132.340
8.333	132.344
8.500	132.348
8.667	132.350
8.833	132.353
9.000	132.356
9.167	132.359
9.333	132.362
9.500	132.366
9.667	132.369
10.000	132.372
10.167	132.376
10.333	132.380
10.500	132.384
10.667	132.389
10.833	132.393
11.000	132.398
11.167	132.404
11.334	132.410
11.500	132.416
11.667	132.423
11.833	132.433
12.000	132.441
12.167	132.449
12.333	132.457
12.500	132.526
12.667	132.526
12.833	132.526
13.000	132.526
13.167	132.526
13.333	132.526
13.500	132.526
13.667	132.526
13.834	132.526
14.000	132.740
14.167	132.740
14.333	132.740
14.500	132.740
14.667	132.740
14.834	132.789
15.000	132.789
15.167	132.789
15.334	132.809
15.500	132.817
15.667	132.826
15.834	132.833
16.000	132.840
16.167	132.847
16.333	132.853
16.500	132.859
16.667	132.866
16.834	132.873
17.000	132.877
17.167	132.881
17.333	132.885
17.500	132.889
17.667	132.892
17.833	132.895

17.833	132.898
18.000	132.901
18.167	132.904
18.334	132.907
18.500	132.909
18.667	132.912
18.833	132.915
19.000	132.918
19.167	132.920
19.333	132.923
19.500	132.925
19.667	132.928
19.833	132.930
20.000	132.933
20.167	132.935
20.333	132.937
20.500	132.940
20.667	132.942
20.833	132.944
21.000	132.946
21.167	132.948
21.333	132.950
21.500	132.952
21.667	132.955
21.833	132.957
22.000	132.959
22.167	132.961
22.333	132.963
22.500	132.965
22.667	132.967
22.833	132.968
23.000	132.970
23.167	132.972
23.333	132.974
23.500	132.976
23.667	132.978
23.833	132.980
24.000	132.981
24.167	132.982
24.333	132.982
24.500	132.982
24.667	132.987
24.833	132.988
25.000	132.989
25.167	132.990
25.333	132.991
25.500	132.992
25.667	132.992
25.833	132.993
26.000	132.993
26.167	132.994
26.333	132.994
26.500	132.995
26.667	132.995
26.833	132.996
27.000	132.996
27.167	132.996
27.333	132.997
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27.833	132.997
28.000	132.998
28.167	132.998
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28.833	132.999
29.000	132.999
29.167	132.999
29.333	132.999
29.500	132.999
29.667	132.999
29.833	132.999

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50.167	133.000
50.333	133.000
50.500	133.000
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50.833	133.000
51.000	133.000
51.167	133.000
51.333	133.000
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59.667	132.999
59.833	132.999
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40.167	132.998
40.333	132.998
40.500	132.998
40.667	132.998
40.833	132.998
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41.167	132.998
41.333	132.998
41.500	132.998
41.667	132.998
41.833	132.998
42.000	132.997

Deberry Engineers, Inc.  
 01/23/2023

42.167	132.997
42.333	132.997
42.500	132.997
42.667	132.997
42.833	132.997
43.000	132.997
43.167	132.997
43.333	132.997
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43.667	132.997
43.833	132.996
44.000	132.996
44.167	132.996
44.333	132.996
44.500	132.996
44.667	132.996
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46.167	132.995
46.333	132.995
46.500	132.995
46.667	132.995
46.833	132.995
47.000	132.994
47.167	132.994
47.333	132.994
47.500	132.994
47.667	132.994
47.833	132.994
48.000	132.994
48.167	132.994
48.333	132.993
48.500	132.993
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53.833	132.990
54.000	132.990
54.167	132.989

Deberry Engineers, Inc.  
 01/23/2023

54.333	132.989
54.500	132.989
54.667	132.989
54.833	132.989
55.000	132.989
55.167	132.988
55.333	132.988
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55.833	132.988
56.000	132.988
56.167	132.988
56.333	132.988
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56.833	132.987
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57.833	132.987
58.000	132.987
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59.167	132.986
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60.167	132.985
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61.167	132.984
61.333	132.984
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62.833	132.983
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63.167	132.983
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64.167	132.982
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64.667	132.981
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65.500	132.981
65.667	132.980
65.833	132.980
66.000	132.980
66.167	132.980
66.333	132.980

Deberry Engineers, Inc.  
 01/23/2023

66.500	132.980
66.667	132.980
66.833	132.980
67.000	132.979
67.167	132.979
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67.667	132.979
67.833	132.979
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77.667	132.970
77.833	132.970
78.000	132.970
78.167	132.970
78.333	132.970
78.500	132.969

Deberry Engineers, Inc.  
 01/23/2023

78.667	132.969
78.833	132.969
79.000	132.969
79.167	132.969
79.333	132.969
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117.333	132.930
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162.833	132.879
163.000	132.878
163.167	132.878
163.333	132.878
163.500	132.878
163.667	132.878

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164.167	132.877
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166.833	132.874
167.000	132.874
167.167	132.874
167.333	132.873
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168.333	132.872
168.500	132.872
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168.833	132.872
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169.167	132.871
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169.500	132.871
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170.167	132.870
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174.833	132.864
175.000	132.864
175.167	132.864
175.333	132.864
175.500	132.864
175.667	132.864
175.833	132.863

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176.500	132.863
176.667	132.862
177.000	132.862
177.167	132.862
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177.500	132.861
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178.000	132.861
178.167	132.861
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178.500	132.860
178.667	132.860
179.000	132.860
179.167	132.859
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179.500	132.859
179.667	132.859
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180.500	132.858
180.667	132.857
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187.333	132.850
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187.833	132.849
188.000	132.849

188.167	132.849
188.333	132.849
188.500	132.848
188.667	132.848
189.000	132.848
189.167	132.848
189.333	132.847
189.500	132.847
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191.000	132.846
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192.167	132.844
192.333	132.844
192.500	132.844
192.667	132.843
193.000	132.843
193.167	132.843
193.333	132.843
193.500	132.842
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193.833	132.842
194.000	132.842
194.167	132.842
194.333	132.842
194.500	132.841
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194.833	132.841
195.000	132.841
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197.500	132.838
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198.333	132.837
198.500	132.837
198.667	132.836
198.833	132.836
199.000	132.836
199.167	132.836
199.333	132.836
199.500	132.835
199.667	132.835
199.833	132.835
200.000	132.835

Time (hrs)	Stage (ft)	Node: NH8000	Type: Stage
0.000	132.300		
0.167	132.299		
0.333	132.297		
0.500	132.296		
0.667	132.296		
0.833	132.296		
1.000	132.295		
1.167	132.294		
1.333	132.293		
1.500	132.293		
1.667	132.293		
1.833	132.293		
2.000	132.294		
2.167	132.294		
2.333	132.294		
2.500	132.295		
2.667	132.296		
2.833	132.297		
3.000	132.298		
3.167	132.299		
3.333	132.301		
3.500	132.302		
3.667	132.302		
3.833	132.302		
4.000	132.306		
4.167	132.308		
4.333	132.310		
4.500	132.311		
4.667	132.313		
4.833	132.315		
5.000	132.317		
5.167	132.319		
5.333	132.321		
5.500	132.322		
5.667	132.326		
5.833	132.328		
6.000	132.330		
6.167	132.333		
6.333	132.335		
6.500	132.338		
6.667	132.340		
6.833	132.343		
7.000	132.345		
7.167	132.348		
7.333	132.351		
7.500	132.354		
7.667	132.357		
7.833	132.360		
8.000	132.363		
8.167	132.367		
8.333	132.370		
8.500	132.373		
8.667	132.377		
8.834	132.381		
9.000	132.385		
9.167	132.389		
9.333	132.392		
9.500	132.397		
9.667	132.401		
9.833	132.406		
10.000	132.411		
10.167	132.416		
10.333	132.421		
10.500	132.427		
10.667	132.432		
10.833	132.439		
11.000	132.445		
11.167	132.452		

Deberry Engineers, Inc.  
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11.333	132.460
11.500	132.468
11.667	132.478
11.833	132.491
12.000	132.500
12.167	132.507
12.333	132.514
12.500	132.516
12.667	132.520
12.833	132.522
13.000	132.522
13.167	132.522
13.333	132.522
13.500	132.522
13.667	132.522
13.834	132.522
14.000	132.522
14.167	132.522
14.333	132.522
14.500	132.522
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14.833	132.522
15.000	132.522
15.167	132.522
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15.667	132.522
15.833	132.522
16.000	132.522
16.167	132.522
16.333	132.522
16.500	132.522
16.667	132.522
16.833	132.522
17.000	132.522
17.167	132.522
17.334	132.522
17.500	132.522
17.667	132.522
17.834	132.522
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18.167	132.522
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18.667	132.522
18.834	132.522
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19.667	132.522
19.834	132.522
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20.334	132.522
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22.500	132.522
22.667	132.522
22.833	132.522
23.000	132.522
23.167	132.522
23.334	132.522

Deberry Engineers, Inc.  
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23.500	133.212
23.667	133.215
23.834	133.217
24.000	133.219
24.167	133.221
24.334	133.223
24.500	133.225
24.667	133.228
24.834	133.229
25.000	133.230
25.167	133.231
25.333	133.231
25.500	133.232
25.667	133.233
25.834	133.233
26.000	133.233
26.167	133.234
26.333	133.234
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27.167	133.236
27.334	133.236
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27.833	133.236
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29.000	133.237
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29.500	133.237
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34.667	133.236
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35.000	133.236
35.167	133.236
35.333	133.236
35.500	133.236

Deberry Engineers, Inc.  
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35.667	133.235
35.833	133.235
36.000	133.235
36.167	133.235
36.333	133.235
36.500	133.235
36.667	133.234
36.833	133.234
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37.167	133.234
37.333	133.234
37.500	133.234
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37.833	133.233
38.000	133.233
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38.833	133.232
39.000	133.232
39.167	133.232
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Deberry Engineers, Inc.  
 01/23/2023

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Deberry Engineers, Inc.  
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Deberry Engineers, Inc.  
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Deberry Engineers, Inc.  
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Deberry Engineers, Inc.  
 01/23/2023

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Deberry Engineers, Inc.  
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169,000	133.001
169,167	133.000
169,333	133.000
169,500	133.000
169,667	133.000
169,833	133.000
170,000	132.999
180,167	132.998
180,333	132.998
180,500	132.998
180,667	132.998
180,833	132.998
181,000	132.998
181,167	132.998
181,333	132.997
181,500	132.997
181,667	132.997
181,833	132.997
182,000	132.996
182,167	132.996
182,333	132.996
182,500	132.996
182,667	132.995
182,833	132.995
183,000	132.995
183,167	132.995
183,333	132.995
183,500	132.995
183,667	132.994

193.833	132.994
194.000	132.994
194.167	132.993
194.333	132.993
194.500	132.993
194.667	132.992
194.833	132.992
195.000	132.992
195.167	132.992
195.333	132.992
195.500	132.991
195.667	132.991
195.833	132.991
196.000	132.991
196.167	132.990
196.333	132.990
196.500	132.990
196.667	132.990
196.833	132.989
197.000	132.989
197.167	132.989
197.333	132.989
197.500	132.989
197.667	132.988
197.833	132.988
198.000	132.988
198.167	132.988
198.333	132.987
198.500	132.987
198.667	132.987
198.833	132.987
199.000	132.986
199.167	132.986
199.333	132.986
199.500	132.986
199.667	132.985
199.833	132.985
200.000	132.985

Name: 100yz24hr Node: NO14000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.411
1.333	132.411
1.500	132.412
1.667	132.414
1.833	132.415
2.000	132.417
2.167	132.418
2.333	132.420
2.500	132.422
2.667	132.424
2.833	132.427
3.000	132.430
3.167	132.432
3.333	132.433
3.500	132.436
3.667	132.438
3.833	132.441
4.000	132.444
4.167	132.446
4.333	132.449
4.500	132.452
4.667	132.455

4.833	132.457
5.000	132.460
5.167	132.463
5.333	132.466
5.500	132.472
5.667	132.476
5.833	132.479
6.000	132.482
6.167	132.485
6.333	132.489
6.500	132.492
6.667	132.496
6.833	132.499
7.000	132.503
7.167	132.507
7.333	132.511
7.500	132.515
7.667	132.519
7.833	132.523
8.000	132.527
8.167	132.532
8.333	132.536
8.500	132.541
8.667	132.546
8.834	132.551
9.000	132.556
9.167	132.561
9.333	132.566
9.500	132.571
9.667	132.576
9.833	132.581
10.000	132.585
10.167	132.591
10.333	132.598
10.500	132.605
10.667	132.613
10.833	132.621
11.000	132.630
11.167	132.640
11.333	132.650
11.500	132.657
11.667	132.667
11.833	132.679
12.000	132.729
12.167	132.778
12.333	132.837
12.500	132.897
12.667	132.951
12.833	132.995
13.000	133.031
13.167	133.059
13.333	133.088
13.500	133.111
13.667	133.128
13.834	133.147
14.000	133.164
14.167	133.182
14.333	133.194
14.500	133.201
14.667	133.209
14.833	133.212
15.000	133.216
15.167	133.219
15.333	133.222
15.500	133.225
15.667	133.228
15.833	133.231
16.000	133.234
16.167	133.237
16.333	133.240
16.500	133.243
16.667	133.246
16.833	133.249

17.000	133.215
17.167	133.218
17.334	133.220
17.500	133.222
17.667	133.223
17.834	133.227
18.000	133.229
18.167	133.231
18.334	133.233
18.500	133.235
18.667	133.236
18.834	133.238
19.000	133.239
19.167	133.240
19.334	133.241
19.500	133.243
19.667	133.244
19.834	133.245
20.000	133.245
20.167	133.246
20.334	133.247
20.500	133.248
20.667	133.248
20.834	133.249
21.000	133.249
21.167	133.249
21.333	133.250
21.500	133.250
21.667	133.250
21.834	133.250
22.000	133.250
22.167	133.251
22.334	133.251
22.500	133.251
22.667	133.251
22.833	133.251
23.000	133.251
23.167	133.251
23.334	133.251
23.500	133.251
23.667	133.251
23.834	133.250
24.000	133.250
24.167	133.249
24.334	133.249
24.500	133.248
24.667	133.246
24.834	133.245
25.000	133.243
25.167	133.241
25.333	133.238
25.500	133.236
25.667	133.236
25.834	133.231
26.000	133.228
26.167	133.226
26.333	133.223
26.500	133.220
26.667	133.217
26.833	133.215
27.000	133.212
27.167	133.209
27.334	133.206
27.500	133.206
27.667	133.201
27.833	133.198
28.000	133.195
28.167	133.192
28.333	133.189
28.500	133.186
28.667	133.184
28.833	133.181
29.000	133.178

29.167	133.175
29.334	133.173
29.500	133.170
29.667	133.167
29.834	133.164
30.000	133.162
30.167	133.159
30.333	133.156
30.500	133.153
30.667	133.151
30.834	133.148
31.000	133.145
31.167	133.143
31.334	133.140
31.500	133.137
31.667	133.135
31.834	133.132
32.000	133.129
32.167	133.127
32.333	133.124
32.500	133.122
32.667	133.119
32.833	133.116
33.000	133.114
33.167	133.111
33.333	133.109
33.500	133.106
33.667	133.103
33.834	133.101
34.000	133.098
34.167	133.096
34.333	133.093
34.500	133.091
34.667	133.088
34.833	133.086
35.000	133.083
35.167	133.081
35.333	133.078
35.500	133.076
35.667	133.071
35.834	133.068
36.000	133.066
36.167	133.064
36.333	133.061
36.500	133.059
36.667	133.056
36.833	133.054
37.000	133.052
37.167	133.049
37.333	133.047
37.500	133.044
37.667	133.041
37.834	133.040
38.000	133.037
38.167	133.035
38.333	133.033
38.500	133.030
38.667	133.028
38.833	133.026
39.000	133.023
39.167	133.021
39.333	133.019
39.500	133.017
39.667	133.014
39.834	133.012
40.000	133.010
40.167	133.007
40.333	133.005
40.500	133.003
40.667	133.001
40.833	133.001
41.000	132.999
41.167	132.996

41.333	132.994
41.500	132.992
41.667	132.990
41.833	132.988
42.000	132.986
42.167	132.984
42.333	132.982
42.500	132.980
42.667	132.978
42.833	132.976
43.000	132.974
43.167	132.972
43.333	132.970
43.500	132.968
43.667	132.966
43.833	132.964
44.000	132.962
44.167	132.960
44.333	132.958
44.500	132.956
44.667	132.954
44.833	132.952
45.000	132.950
45.167	132.948
45.333	132.946
45.500	132.944
45.667	132.942
45.833	132.940
46.000	132.938
46.167	132.936
46.333	132.934
46.500	132.932
46.667	132.930
46.833	132.928
47.000	132.926
47.167	132.924
47.333	132.922
47.500	132.920
47.667	132.918
47.833	132.916
48.000	132.914
48.167	132.912
48.333	132.910
48.500	132.908
48.667	132.906
48.833	132.904
49.000	132.902
49.167	132.900
49.333	132.898
49.500	132.896
49.667	132.894
49.833	132.892
50.000	132.890
50.167	132.888
50.333	132.886
50.500	132.884
50.667	132.882
50.833	132.880
51.000	132.878
51.167	132.876
51.333	132.874
51.500	132.872
51.667	132.870
51.833	132.868
52.000	132.866
52.167	132.864
52.333	132.862
52.500	132.860
52.667	132.858
52.833	132.856
53.000	132.854
53.167	132.852
53.333	132.850

53.500	132.856
53.667	132.855
53.833	132.853
54.000	132.852
54.167	132.850
54.333	132.848
54.500	132.846
54.667	132.844
54.833	132.842
55.000	132.840
55.167	132.838
55.333	132.836
55.500	132.834
55.667	132.832
55.833	132.830
56.000	132.828
56.167	132.826
56.333	132.824
56.500	132.822
56.667	132.820
56.833	132.818
57.000	132.816
57.167	132.814
57.333	132.812
57.500	132.810
57.667	132.808
57.833	132.806
58.000	132.804
58.167	132.802
58.333	132.800
58.500	132.798
58.667	132.796
58.833	132.794
59.000	132.792
59.167	132.790
59.333	132.788
59.500	132.786
59.667	132.784
59.833	132.782
60.000	132.780
60.167	132.778
60.333	132.776
60.500	132.774
60.667	132.772
60.833	132.770
61.000	132.768
61.167	132.766
61.333	132.764
61.500	132.762
61.667	132.760
61.833	132.758
62.000	132.756
62.167	132.754
62.333	132.752
62.500	132.750
62.667	132.748
62.833	132.746
63.000	132.744
63.167	132.742
63.333	132.740
63.500	132.738
63.667	132.736
63.833	132.734
64.000	132.732
64.167	132.730
64.333	132.728
64.500	132.726
64.667	132.724
64.833	132.722
65.000	132.720
65.167	132.718
65.333	132.716
65.500	132.714

65.667	132.788
65.833	132.788
66.000	132.787
66.167	132.787
66.333	132.786
66.500	132.786
66.667	132.784
66.833	132.784
67.000	132.783
67.167	132.783
67.333	132.782
67.500	132.782
67.667	132.781
67.833	132.781
68.000	132.780
68.167	132.780
68.333	132.779
68.500	132.779
68.667	132.778
68.833	132.778
69.000	132.778
69.167	132.778
69.333	132.777
69.500	132.777
69.667	132.776
69.833	132.776
70.000	132.775
70.167	132.775
70.333	132.774
70.500	132.774
70.667	132.774
70.833	132.773
71.000	132.773
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71.833	132.771
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72.167	132.770
72.333	132.769
72.500	132.769
72.667	132.768
72.833	132.768
73.000	132.768
73.167	132.768
73.333	132.767
73.500	132.767
73.667	132.767
73.833	132.766
74.000	132.766
74.167	132.765
74.333	132.765
74.500	132.765
74.667	132.765
74.833	132.764
75.000	132.764
75.167	132.764
75.333	132.763
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76.833	132.760
77.000	132.760
77.167	132.760
77.333	132.759
77.500	132.759
77.667	132.759

77.833	132.759
78.000	132.758
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78.333	132.758
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78.833	132.757
79.000	132.757
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85.833	132.747
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86.167	132.746
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86.833	132.745
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87.667	132.744
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88.833	132.743
89.000	132.743
89.167	132.743
89.333	132.743
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89.667	132.742
89.833	132.742

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90.167	132.742
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90.833	132.741
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91.167	132.741
91.333	132.740
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91.833	132.740
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93.167	132.738
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96.833	132.735
97.000	132.735
97.167	132.735
97.333	132.735
97.500	132.735
97.667	132.734
97.833	132.734
98.000	132.734
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98.500	132.734
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98.833	132.733
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100.833	132.732
101.000	132.732
101.167	132.731
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101.667	132.731
101.833	132.731
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102.333	132.731
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106.167	132.728
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112.833	132.724
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113.167	132.723
113.333	132.723
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114.167	132.723

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133.167	132.713
133.333	132.713
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133.833	132.713
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135.000	132.713
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198.500	132.695
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198.833	132.695
199.000	132.695
199.167	132.695
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199.500	132.695
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200.000	132.695

Name: 100yr5day	Time (hrs)	Stage (Ft)	Node: NH8000	Type: Stage
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0.167	132.299			
0.333	132.298			
0.500	132.297			
0.667	132.296			
0.833	132.296			
1.000	132.294			
1.167	132.293			
1.333	132.292			
1.500	132.292			
1.667	132.291			
1.833	132.291			
2.000	132.290			
2.167	132.289			
2.333	132.289			
2.500	132.288			
2.667	132.287			
2.833	132.287			
3.000	132.286			
3.167	132.286			
3.333	132.286			
3.500	132.286			
3.667	132.286			
3.833	132.286			
4.000	132.286			
4.167	132.286			
4.333	132.286			
4.500	132.286			
4.667	132.286			
4.833	132.286			
5.000	132.286			
5.167	132.286			
5.333	132.286			
5.500	132.287			
5.667	132.287			
5.833	132.287			
6.000	132.287			
6.167	132.288			
6.333	132.288			
6.500	132.288			
6.667	132.289			
6.833	132.289			
7.000	132.289			
7.167	132.290			
7.333	132.290			
7.500	132.291			
7.667	132.291			
7.833	132.291			
8.000	132.292			
8.167	132.292			
8.333	132.293			
8.500	132.293			
8.667	132.294			
8.833	132.294			
9.000	132.295			
9.167	132.295			
9.333	132.296			
9.500	132.296			
9.667	132.297			
9.833	132.297			
10.000	132.298			
10.167	132.298			
10.333	132.299			

10.500	132.299
10.667	132.300
10.833	132.301
11.000	132.301
11.167	132.302
11.333	132.302
11.500	132.303
11.667	132.304
11.833	132.304
12.000	132.305
12.167	132.306
12.333	132.306
12.500	132.307
12.667	132.308
12.833	132.308
13.000	132.309
13.167	132.310
13.333	132.310
13.500	132.311
13.667	132.312
13.833	132.312
14.000	132.313
14.167	132.314
14.333	132.314
14.500	132.315
14.667	132.316
14.833	132.316
15.000	132.317
15.167	132.318
15.333	132.319
15.500	132.319
15.667	132.320
15.833	132.321
16.000	132.322
16.167	132.322
16.333	132.323
16.500	132.324
16.667	132.324
16.833	132.325
17.000	132.325
17.167	132.326
17.333	132.326
17.500	132.327
17.667	132.328
17.833	132.329
18.000	132.330
18.167	132.331
18.333	132.332
18.500	132.333
18.667	132.334
18.833	132.335
19.000	132.335
19.167	132.336
19.333	132.337
19.500	132.338
19.667	132.339
19.833	132.340
20.000	132.341
20.167	132.342
20.333	132.343
20.500	132.344
20.667	132.344
20.833	132.345
21.000	132.346
21.167	132.347
21.333	132.348
21.500	132.349
21.667	132.350
21.833	132.351
22.000	132.352
22.167	132.353
22.333	132.354
22.500	132.355

Deberry Engineers, Inc.  
 01/23/2023

22.667	132.356
22.833	132.356
23.000	132.357
23.167	132.358
23.333	132.358
23.500	132.359
23.667	132.360
23.833	132.361
24.000	132.362
24.167	132.363
24.333	132.364
24.500	132.365
24.667	132.366
24.833	132.367
25.000	132.369
25.167	132.370
25.333	132.372
25.500	132.374
25.667	132.376
25.833	132.378
26.000	132.380
26.167	132.382
26.333	132.385
26.500	132.387
26.667	132.389
26.833	132.392
27.000	132.394
27.167	132.397
27.333	132.399
27.500	132.401
27.667	132.404
27.833	132.409
28.000	132.411
28.167	132.413
28.333	132.416
28.500	132.418
28.667	132.421
28.833	132.423
29.000	132.426
29.167	132.428
29.333	132.431
29.500	132.433
29.667	132.435
29.833	132.438
30.000	132.440
30.167	132.443
30.333	132.446
30.500	132.448
30.667	132.451
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31.000	132.455
31.167	132.458
31.333	132.461
31.500	132.463
31.667	132.466
31.833	132.468
32.000	132.470
32.167	132.473
32.333	132.475
32.500	132.478
32.667	132.480
32.833	132.482
33.000	132.485
33.167	132.488
33.333	132.491
33.500	132.493
33.667	132.495
33.833	132.498
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34.167	132.503
34.333	132.505
34.500	132.508
34.667	132.511

Deberry Engineers, Inc.  
 01/23/2023

34.834	132.513
35.000	132.516
35.167	132.521
35.333	132.526
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35.667	132.536
35.833	132.541
36.000	132.546
36.167	132.551
36.333	132.556
36.500	132.561
36.667	132.566
36.834	132.571
37.000	132.576
37.167	132.581
37.333	132.586
37.500	132.591
37.667	132.596
37.833	132.601
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38.167	132.611
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38.500	132.621
38.667	132.626
38.833	132.631
39.000	132.636
39.167	132.641
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39.667	132.656
39.833	132.661
40.000	132.666
40.167	132.671
40.333	132.676
40.500	132.681
40.667	132.686
40.834	132.691
41.000	132.696
41.167	132.701
41.333	132.706
41.500	132.711
41.667	132.716
41.833	132.721
42.000	132.726
42.167	132.731
42.333	132.736
42.500	132.741
42.667	132.746
42.834	132.751
43.000	132.756
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43.333	132.766
43.500	132.771
43.667	132.776
43.833	132.781
44.000	132.786
44.167	132.791
44.333	132.796
44.500	132.801
44.667	132.806
44.833	132.811
45.000	132.816
45.167	132.821
45.333	132.826
45.500	132.831
45.667	132.836
45.833	132.841
46.000	132.846
46.167	132.851
46.333	132.856
46.500	132.861
46.667	132.866
46.834	132.871
47.000	132.876

Danberry Engineers, Inc.  
 01/23/2023

47.000	132.693
47.167	132.698
47.333	132.703
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47.667	132.713
47.833	132.718
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48.500	132.738
48.667	132.743
48.833	132.748
49.000	132.753
49.167	132.758
49.333	132.763
49.500	132.768
49.667	132.773
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50.167	132.788
50.333	132.793
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50.667	132.803
50.833	132.808
51.000	132.813
51.167	132.818
51.333	132.823
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51.667	132.833
51.833	132.838
52.000	132.843
52.167	132.848
52.333	132.853
52.500	132.858
52.667	132.863
52.833	132.868
53.000	132.873
53.167	132.878
53.333	132.883
53.500	132.888
53.667	132.893
53.833	132.898
54.000	132.903
54.167	132.908
54.333	132.913
54.500	132.918
54.667	132.923
54.833	132.928
55.000	132.933
55.167	132.938
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55.833	132.958
56.000	132.963
56.167	132.968
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56.667	132.983
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57.333	133.003
57.500	133.008
57.667	133.013
57.833	133.018
58.000	133.023
58.167	133.028
58.333	133.033
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58.667	133.043
58.834	133.048
59.000	133.053

Danberry Engineers, Inc.  
 01/23/2023

59.167	132.929
59.333	132.943
59.500	132.959
59.667	132.976
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60.167	133.047
60.333	133.073
60.500	133.099
60.667	133.125
60.833	133.151
61.000	133.176
61.167	133.201
61.333	133.225
61.500	133.248
61.667	133.269
62.000	133.310
62.167	133.328
62.333	133.346
62.500	133.362
62.667	133.378
62.833	133.393
63.000	133.406
63.167	133.419
63.333	133.431
63.500	133.442
63.667	133.452
64.000	133.481
64.167	133.472
64.333	133.489
64.500	133.496
64.667	133.503
64.833	133.510
65.000	133.516
65.167	133.521
65.334	133.527
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66.167	133.548
66.333	133.552
66.500	133.555
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66.833	133.561
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67.167	133.567
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71.167	133.597

Deberry Engineers, Inc.  
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71.334	133.598
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71.667	133.598
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82.333	133.641
82.500	133.642
82.667	133.643
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83.000	133.644
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83.334	133.646

Deberry Engineers, Inc.  
 01/23/2023

83.500	133.646
83.667	133.647
83.834	133.648
84.000	133.649
84.167	133.650
84.334	133.651
84.500	133.652
84.667	133.653
84.833	133.654
85.000	133.655
85.167	133.656
85.333	133.657
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85.667	133.659
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86.167	133.662
86.334	133.663
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86.667	133.665
86.833	133.666
87.000	133.667
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87.667	133.671
87.834	133.672
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90.334	133.687
90.500	133.688
90.667	133.689
90.834	133.690
91.000	133.691
91.167	133.692
91.333	133.693
91.500	133.694
91.667	133.695
91.833	133.696
92.000	133.697
92.167	133.698
92.333	133.699
92.500	133.700
92.667	133.701
92.834	133.702
93.000	133.703
93.167	133.704
93.334	133.705
93.500	133.706
93.667	133.707
93.833	133.708
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94.167	133.710
94.333	133.711
94.500	133.712
94.667	133.713
94.833	133.714
95.000	133.715
95.167	133.716
95.334	133.717
95.500	133.718

Deberry Engineers, Inc.  
 01/23/2023

95.667	133.695
95.834	133.696
96.000	133.697
96.167	133.698
96.333	133.699
96.500	133.700
96.667	133.701
96.833	133.702
97.000	133.703
97.167	133.704
97.333	133.705
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97.667	133.707
97.834	133.708
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99.500	133.718
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99.833	133.720
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100.167	133.722
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100.500	133.724
100.667	133.725
100.834	133.726
101.000	133.727
101.167	133.728
101.333	133.729
101.500	133.730
101.667	133.731
101.833	133.732
102.000	133.733
102.167	133.734
102.333	133.735
102.500	133.736
102.667	133.737
102.834	133.738
103.000	133.739
103.167	133.740
103.334	133.741
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104.333	133.747
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104.667	133.749
104.833	133.750
105.000	133.751
105.167	133.752
105.334	133.753
105.500	133.754
105.667	133.755
105.834	133.756
106.000	133.757
106.167	133.758
106.333	133.759
106.500	133.760
106.667	133.761
106.834	133.762
107.000	133.763
107.167	133.764
107.333	133.765
107.500	133.766
107.667	133.767

Deberry Engineers, Inc.  
 01/23/2023

107.833	133.663
108.000	133.662
108.167	133.662
108.334	133.661
108.500	133.660
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108.833	133.659
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109.167	133.657
109.333	133.657
109.500	133.656
109.667	133.655
109.833	133.655
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110.167	133.654
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113.000	133.643
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115.167	133.636
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131.167	133.568
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131.833	133.565
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133.167	133.558
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134.167	133.554
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136.333	133.544
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138.833	133.532
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139.167	133.531
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139.833	133.526
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140.167	133.524
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143.667	133.511
143.833	133.511
144.000	133.511
144.167	133.511

144.333	133.510
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145.333	133.506
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148.333	133.493
148.500	133.492
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148.833	133.491
149.000	133.490
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149.667	133.487
149.833	133.486
150.000	133.485
150.167	133.484
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155.167	133.466
155.333	133.465
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155.667	133.464
155.833	133.464
156.000	133.463
156.167	133.463
156.333	133.462

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156,833	133.460
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157,333	133.458
157,500	133.457
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158,167	133.454
158,333	133.453
158,500	133.453
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159,667	133.448
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160,667	133.445
160,833	133.444
161,000	133.444
161,167	133.443
161,333	133.443
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161,833	133.441
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162,667	133.438
162,833	133.437
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163,167	133.436
163,333	133.435
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164,000	133.433
164,167	133.432
164,333	133.431
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164,667	133.430
164,833	133.430
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166,667	133.423
166,833	133.422
167,000	133.422
167,167	133.421
167,333	133.421
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167,667	133.419
167,833	133.419
168,000	133.418
168,167	133.418
168,333	133.417
168,500	133.417

168,667	133.416
168,833	133.416
169,000	133.415
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169,333	133.414
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169,833	133.412
170,000	133.412
170,167	133.411
170,333	133.410
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170,667	133.409
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171,333	133.406
171,500	133.406
171,667	133.406
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172,167	133.404
172,333	133.404
172,500	133.403
172,667	133.403
172,833	133.402
173,000	133.401
173,167	133.401
173,333	133.400
173,500	133.399
173,667	133.399
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174,000	133.398
174,167	133.397
174,333	133.397
174,500	133.396
174,667	133.395
174,833	133.395
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175,167	133.394
175,333	133.393
175,500	133.393
175,667	133.392
175,833	133.391
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176,167	133.390
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176,667	133.388
176,833	133.388
177,000	133.387
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177,333	133.386
177,500	133.385
177,667	133.385
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178,000	133.384
178,167	133.384
178,333	133.383
178,500	133.382
178,667	133.382
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179,667	133.379
179,833	133.378
180,000	133.377
180,167	133.377
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180,500	133.376
180,667	133.375

180.833	133.375
181.000	133.374
181.167	133.374
181.333	133.375
181.500	133.375
181.667	133.372
181.833	133.371
182.000	133.371
182.167	133.370
182.333	133.370
182.500	133.369
182.667	133.369
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189.167	133.348
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189.667	133.347
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190.333	133.344
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190.667	133.343
190.833	133.343
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191.167	133.342
191.333	133.341
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191.833	133.340
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192.167	133.339
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192.667	133.337
192.833	133.337

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193.333	133.335
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193.833	133.334
194.000	133.333
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197.167	133.324
197.333	133.324
197.500	133.323
197.667	133.323
197.833	133.322
198.000	133.322
198.167	133.321
198.333	133.321
198.500	133.320
198.667	133.320
198.833	133.319
199.000	133.319
199.167	133.318
199.333	133.318
199.500	133.317
199.667	133.317
199.833	133.316
200.000	133.316

Name: 100y5day Node: NO14000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.410
1.500	132.410
1.667	132.410
1.833	132.410
2.000	132.410
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2.500	132.411
2.667	132.411
2.833	132.412
3.000	132.412
3.167	132.413
3.333	132.413
3.500	132.414
3.667	132.415
3.833	132.415

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4.167	132.417
4.333	132.418
4.500	132.419
4.667	132.420
4.833	132.421
5.000	132.422
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6.333	132.428
6.500	132.428
6.667	132.429
6.833	132.430
7.000	132.431
7.167	132.432
7.333	132.433
7.500	132.434
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7.833	132.436
8.000	132.436
8.167	132.437
8.333	132.438
8.500	132.439
8.667	132.440
8.833	132.441
9.000	132.442
9.167	132.442
9.333	132.443
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9.667	132.445
9.833	132.446
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15.167	132.473
15.333	132.474
15.500	132.475
15.667	132.475
15.833	132.476
16.000	132.477

Deberry Engineers, Inc.  
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16.167	132.478
16.333	132.479
16.500	132.480
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16.833	132.482
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32.167	132.568
32.333	132.569
32.500	132.570
32.667	132.571
32.833	132.572
33.000	132.573
33.167	132.574
33.333	132.575
33.500	132.576
33.667	132.577

Deberry Engineers, Inc.  
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28.333	132.580
28.500	132.582
28.667	132.585
28.833	132.588
29.000	132.591
29.167	132.593
29.333	132.596
29.500	132.599
29.667	132.601
29.833	132.604
30.000	132.607
30.167	132.609
30.333	132.612
30.500	132.615
30.667	132.618
30.833	132.621
31.000	132.624
31.167	132.626
31.333	132.628
31.500	132.631
31.667	132.634
31.833	132.637
32.000	132.639
32.167	132.642
32.333	132.645
32.500	132.647
32.667	132.650
32.833	132.652
33.000	132.655
33.167	132.658
33.333	132.660
33.500	132.663
33.667	132.666
33.833	132.669
34.000	132.671
34.167	132.674
34.333	132.677
34.500	132.680
34.667	132.682
34.833	132.685
35.000	132.688
35.167	132.690
35.333	132.693
35.500	132.696
35.667	132.698
35.833	132.701
36.000	132.703
36.167	132.706
36.333	132.709
36.500	132.711
36.667	132.714
36.833	132.716
37.000	132.719
37.167	132.721
37.334	132.724
37.500	132.726
37.667	132.729
37.833	132.732
38.000	132.734
38.167	132.737
38.333	132.739
38.500	132.742
38.667	132.744
38.833	132.747
39.000	132.749
39.167	132.752
39.333	132.754
39.500	132.757
39.667	132.759
39.833	132.761
40.000	132.764
40.167	132.766
40.333	132.768

40.500	132.770
40.667	132.773
40.834	132.775
41.000	132.778
41.167	132.779
41.333	132.781
41.500	132.783
41.667	132.785
41.833	132.787
42.000	132.789
42.167	132.792
42.333	132.794
42.500	132.796
42.667	132.798
42.834	132.800
43.000	132.802
43.167	132.804
43.333	132.805
43.500	132.807
43.667	132.809
43.833	132.811
44.000	132.813
44.167	132.815
44.333	132.816
44.500	132.818
44.667	132.820
44.833	132.821
45.000	132.822
45.167	132.824
45.333	132.825
45.500	132.828
45.667	132.829
45.833	132.831
46.000	132.832
46.167	132.834
46.333	132.835
46.500	132.837
46.667	132.838
46.834	132.839
47.000	132.841
47.167	132.842
47.333	132.844
47.500	132.845
47.667	132.846
47.833	132.848
48.000	132.849
48.167	132.850
48.333	132.851
48.500	132.852
48.667	132.852
48.833	132.852
49.000	132.852
49.167	132.851
49.333	132.851
49.500	132.850
49.667	132.850
49.833	132.849
50.000	132.848
50.167	132.847
50.333	132.847
50.500	132.846
50.667	132.845
50.833	132.845
51.000	132.844
51.167	132.844
51.333	132.843
51.500	132.843
51.667	132.842
51.833	132.842
52.000	132.842
52.167	132.842
52.333	132.842
52.500	132.842

52.667	132.843
52.833	132.844
53.000	132.844
53.167	132.845
53.333	132.845
53.500	132.845
53.667	132.846
53.833	132.849
54.000	132.850
54.167	132.851
54.333	132.853
54.500	132.854
54.667	132.856
54.833	132.858
55.000	132.860
55.167	132.862
55.333	132.864
55.500	132.866
55.667	132.869
55.834	132.872
56.000	132.875
56.167	132.878
56.333	132.881
56.500	132.884
56.667	132.888
56.834	132.892
57.000	132.896
57.167	132.900
57.333	132.903
57.500	132.911
57.667	132.917
57.833	132.924
58.000	132.931
58.167	132.938
58.333	132.947
58.500	132.956
58.667	132.967
58.834	132.979
59.000	132.991
59.167	133.004
59.333	133.013
59.500	133.036
59.667	133.058
59.833	133.086
60.000	133.120
60.167	133.156
60.333	133.194
60.500	133.230
60.667	133.265
60.833	133.298
61.000	133.331
61.167	133.362
61.333	133.393
61.500	133.420
61.667	133.445
61.833	133.467
62.000	133.488
62.167	133.507
62.333	133.524
62.500	133.540
62.667	133.554
62.833	133.566
63.000	133.577
63.167	133.597
63.333	133.605
63.500	133.612
63.667	133.618
63.834	133.624
64.167	133.629
64.333	133.634
64.500	133.638
64.667	133.642

Deberry Engineers, Inc.  
 01/23/2023

64.833	133.645
65.000	133.647
65.167	133.649
65.333	133.651
65.500	133.651
65.667	133.652
65.833	133.655
66.000	133.656
66.167	133.656
66.333	133.656
66.500	133.656
66.667	133.656
66.833	133.656
67.000	133.655
67.167	133.654
67.333	133.654
67.500	133.651
67.667	133.650
67.834	133.649
68.000	133.647
68.167	133.645
68.333	133.644
68.500	133.642
68.667	133.642
68.834	133.639
69.000	133.637
69.167	133.635
69.333	133.632
69.500	133.628
69.667	133.627
69.833	133.624
70.000	133.621
70.167	133.618
70.333	133.614
70.500	133.611
70.667	133.608
70.833	133.605
71.000	133.601
71.167	133.598
71.333	133.594
71.500	133.589
71.667	133.588
71.833	133.585
72.000	133.581
72.167	133.578
72.333	133.575
72.500	133.572
72.667	133.569
72.834	133.566
73.000	133.563
73.167	133.560
73.333	133.557
73.500	133.554
73.667	133.551
73.833	133.548
74.000	133.546
74.167	133.543
74.333	133.541
74.500	133.539
74.667	133.536
74.833	133.534
75.000	133.532
75.167	133.530
75.333	133.526
75.500	133.523
75.667	133.521
75.834	133.519
76.000	133.519
76.167	133.517
76.334	133.515
76.500	133.513
76.667	133.511
76.833	133.509

Deberry Engineers, Inc.  
 01/23/2023

77.000	133.507
77.167	133.505
77.333	133.503
77.500	133.501
77.667	133.499
77.833	133.497
78.000	133.495
78.167	133.493
78.333	133.491
78.500	133.489
78.667	133.487
78.834	133.484
79.000	133.482
79.167	133.480
79.333	133.478
79.500	133.476
79.667	133.474
79.833	133.472
80.000	133.470
80.167	133.468
80.333	133.466
80.500	133.464
80.667	133.462
80.834	133.460
81.000	133.458
81.167	133.456
81.333	133.454
81.500	133.452
81.667	133.450
81.833	133.448
82.000	133.446
82.167	133.444
82.333	133.442
82.500	133.440
82.667	133.438
82.833	133.436
83.000	133.434
83.167	133.432
83.333	133.430
83.500	133.428
83.667	133.426
83.834	133.424
84.000	133.422
84.167	133.420
84.333	133.418
84.500	133.416
84.667	133.414
84.833	133.412
85.000	133.410
85.167	133.408
85.333	133.406
85.500	133.404
85.667	133.402
85.834	133.400
86.000	133.399
86.167	133.397
86.333	133.395
86.500	133.393
86.667	133.391
86.833	133.389
87.000	133.387
87.167	133.385
87.333	133.383
87.500	133.381
87.667	133.379
87.834	133.377
88.000	133.375
88.167	133.373
88.333	133.371
88.500	133.369
88.667	133.367
88.833	133.365
89.000	133.363

Deberry Engineers, Inc.  
 01/23/2023

89.167	133.390
89.333	133.389
89.500	133.388
89.667	133.387
89.833	133.386
90.000	133.384
90.167	133.383
90.333	133.382
90.500	133.381
90.667	133.379
90.834	133.378
91.000	133.377
91.167	133.376
91.333	133.374
91.500	133.374
91.667	133.372
91.833	133.371
92.000	133.370
92.167	133.369
92.333	133.368
92.500	133.366
92.667	133.365
92.834	133.364
93.000	133.363
93.167	133.362
93.333	133.361
93.500	133.359
93.667	133.358
93.833	133.356
94.000	133.355
94.167	133.354
94.333	133.353
94.500	133.352
94.667	133.351
94.833	133.349
95.000	133.348
95.167	133.347
95.333	133.346
95.500	133.345
95.667	133.344
95.833	133.342
96.000	133.341
96.167	133.340
96.333	133.338
96.500	133.337
96.667	133.335
96.833	133.333
97.000	133.333
97.167	133.330
97.333	133.328
97.500	133.326
97.667	133.325
97.833	133.324
98.000	133.318
98.167	133.315
98.333	133.313
98.500	133.310
98.667	133.307
98.833	133.304
99.000	133.302
99.167	133.299
99.333	133.296
99.500	133.293
99.667	133.292
99.833	133.288
100.000	133.285
100.167	133.282
100.333	133.279
100.500	133.276
100.667	133.273
100.834	133.271
101.000	133.268
101.167	133.265

Deberry Engineers, Inc.  
 01/23/2023

101.333	133.262
101.500	133.260
101.667	133.257
101.833	133.254
102.000	133.251
102.167	133.248
102.333	133.245
102.500	133.242
102.667	133.239
102.833	133.236
103.000	133.233
103.167	133.230
103.334	133.227
103.500	133.224
103.667	133.221
103.834	133.218
104.000	133.215
104.167	133.212
104.333	133.209
104.500	133.206
104.667	133.203
104.833	133.200
105.000	133.197
105.167	133.194
105.334	133.191
105.500	133.188
105.667	133.185
105.834	133.182
106.000	133.179
106.167	133.176
106.333	133.173
106.500	133.170
106.667	133.167
106.834	133.164
107.000	133.161
107.167	133.158
107.333	133.155
107.500	133.152
107.667	133.149
107.833	133.146
108.000	133.143
108.167	133.140
108.334	133.137
108.500	133.134
108.667	133.131
108.833	133.128
109.000	133.125
109.167	133.122
109.333	133.119
109.500	133.116
109.667	133.113
109.834	133.110
110.000	133.107
110.167	133.104
110.333	133.101
110.500	133.098
110.667	133.095
110.833	133.092
111.000	133.089
111.167	133.086
111.333	133.083
111.500	133.080
111.667	133.077
111.834	133.074
112.000	133.071
112.167	133.068
112.333	133.065
112.500	133.062
112.667	133.059
112.834	133.056
113.000	133.053
113.167	133.050
113.333	133.047
113.500	133.044
113.667	133.041
113.834	133.038
114.000	133.035
114.167	133.032
114.333	133.029
114.500	133.026
114.667	133.023
114.833	133.020
115.000	133.017
115.167	133.014
115.333	133.011
115.500	133.008
115.667	133.005
115.834	133.002
116.000	132.999
116.167	132.996
116.333	132.993
116.500	132.990
116.667	132.987
116.833	132.984
117.000	132.981
117.167	132.978
117.333	132.975
117.500	132.972
117.667	132.969
117.833	132.966
118.000	132.963
118.167	132.960
118.333	132.957
118.500	132.954
118.667	132.951
118.833	132.948
119.000	132.945
119.167	132.942
119.333	132.939
119.500	132.936
119.667	132.933
119.833	132.930
120.000	132.927
120.167	132.924
120.333	132.921
120.500	132.918
120.667	132.915
120.833	132.912
121.000	132.909
121.167	132.906
121.333	132.903
121.500	132.900
121.667	132.897
121.833	132.894
122.000	132.891
122.167	132.888
122.333	132.885
122.500	132.882
122.667	132.879
122.833	132.876
123.000	132.873
123.167	132.870
123.334	132.867
123.500	132.864
123.667	132.861
123.833	132.858
124.000	132.855
124.167	132.852
124.334	132.849
124.500	132.846
124.667	132.843
124.833	132.840
125.000	132.837
125.167	132.834
125.333	132.831
125.500	132.828

113.500	133.084
113.667	133.082
113.833	133.080
114.000	133.078
114.167	133.076
114.333	133.074
114.500	133.071
114.667	133.069
114.833	133.067
115.000	133.065
115.167	133.063
115.333	133.061
115.500	133.059
115.667	133.056
115.833	133.054
116.000	133.052
116.167	133.050
116.333	133.048
116.500	133.046
116.667	133.044
116.833	133.042
117.000	133.040
117.167	133.038
117.333	133.035
117.500	133.033
117.667	133.031
117.833	133.030
118.000	133.028
118.167	133.026
118.333	133.024
118.500	133.022
118.667	133.020
118.833	133.018
119.000	133.016
119.167	133.014
119.333	133.012
119.500	133.010
119.667	133.008
119.833	133.006
120.000	133.003
120.167	133.001
120.333	132.999
120.500	132.997
120.667	132.995
120.833	132.992
121.000	132.990
121.167	132.988
121.333	132.986
121.500	132.984
121.667	132.982
121.833	132.980
122.000	132.978
122.167	132.976
122.333	132.974
122.500	132.972
122.667	132.970
122.833	132.969
123.000	132.967
123.167	132.965
123.334	132.963
123.500	132.961
123.667	132.959
123.833	132.957
124.000	132.955
124.167	132.953
124.334	132.951
124.500	132.949
124.667	132.947
124.833	132.945
125.000	132.943
125.167	132.941
125.333	132.939
125.500	132.937



125.667	132.935
125.833	132.933
126.000	132.931
126.167	132.929
126.333	132.927
126.500	132.925
126.667	132.923
126.833	132.921
127.000	132.919
127.167	132.918
127.333	132.916
127.500	132.914
127.667	132.912
127.833	132.910
128.000	132.908
128.167	132.906
128.333	132.904
128.500	132.903
128.667	132.901
128.833	132.899
129.000	132.897
129.167	132.896
129.333	132.894
129.500	132.892
129.667	132.890
129.833	132.888
130.000	132.887
130.167	132.885
130.333	132.883
130.500	132.882
130.667	132.880
130.833	132.878
131.000	132.877
131.167	132.875
131.333	132.873
131.500	132.872
131.667	132.870
131.833	132.868
132.000	132.867
132.167	132.865
132.333	132.863
132.500	132.862
132.667	132.861
132.833	132.859
133.000	132.858
133.167	132.856
133.333	132.855
133.500	132.853
133.667	132.852
133.833	132.850
134.000	132.849
134.167	132.848
134.333	132.846
134.500	132.845
134.667	132.844
134.833	132.842
135.000	132.841
135.167	132.840
135.333	132.839
135.500	132.837
135.667	132.836
135.833	132.835
136.000	132.834
136.167	132.833
136.333	132.831
136.500	132.830
136.667	132.829
136.833	132.828
137.000	132.827
137.167	132.826
137.333	132.825
137.500	132.824
137.667	132.823

137.833	132.822
138.000	132.821
138.167	132.820
138.333	132.819
138.500	132.817
138.667	132.816
138.833	132.815
139.000	132.815
139.167	132.815
139.333	132.814
139.500	132.813
139.667	132.812
139.833	132.811
140.000	132.810
140.167	132.809
140.333	132.809
140.500	132.807
140.667	132.807
140.833	132.806
141.000	132.805
141.167	132.805
141.333	132.804
141.500	132.803
141.667	132.802
141.833	132.802
142.000	132.801
142.167	132.800
142.333	132.800
142.500	132.799
142.667	132.798
142.833	132.797
143.000	132.797
143.167	132.796
143.333	132.796
143.500	132.795
143.667	132.794
143.833	132.794
144.000	132.793
144.167	132.792
144.333	132.792
144.500	132.791
144.667	132.791
144.833	132.790
145.000	132.789
145.167	132.789
145.333	132.788
145.500	132.788
145.667	132.787
145.833	132.787
146.000	132.786
146.167	132.786
146.333	132.785
146.500	132.785
146.667	132.784
146.833	132.783
147.000	132.783
147.167	132.782
147.333	132.782
147.500	132.781
147.667	132.781
147.833	132.780
148.000	132.780
148.167	132.779
148.333	132.778
148.500	132.778
148.667	132.778
148.833	132.777
149.000	132.777
149.167	132.777
149.333	132.776
149.500	132.776
149.667	132.775
149.833	132.775

150.000	132.774
150.167	132.774
150.333	132.774
150.500	132.774
150.667	132.772
150.833	132.772
151.000	132.772
151.167	132.771
151.333	132.771
151.500	132.770
151.667	132.770
151.833	132.770
152.000	132.769
152.167	132.769
152.333	132.768
152.500	132.768
152.667	132.768
152.833	132.767
153.000	132.767
153.167	132.767
153.333	132.767
153.500	132.766
153.667	132.766
153.833	132.766
154.000	132.765
154.167	132.765
154.333	132.764
154.500	132.764
154.667	132.763
154.833	132.763
155.000	132.763
155.167	132.763
155.333	132.762
155.500	132.762
155.667	132.762
155.833	132.762
156.000	132.761
156.167	132.761
156.333	132.761
156.500	132.760
156.667	132.760
156.833	132.760
157.000	132.759
157.167	132.759
157.333	132.759
157.500	132.759
157.667	132.758
157.833	132.758
158.000	132.758
158.167	132.758
158.333	132.757
158.500	132.757
158.667	132.757
158.833	132.756
159.000	132.756
159.167	132.756
159.333	132.755
159.500	132.755
159.667	132.755
159.833	132.755
160.000	132.754
160.167	132.754
160.333	132.754
160.500	132.753
160.667	132.753
160.833	132.753
161.000	132.753
161.167	132.753
161.333	132.752
161.500	132.752
161.667	132.752
161.833	132.752
162.000	132.751

152.167	132.751
152.333	132.751
152.500	132.751
152.667	132.750
152.833	132.750
153.000	132.750
153.167	132.750
153.333	132.750
153.500	132.749
153.667	132.749
153.833	132.749
154.000	132.749
154.167	132.748
154.333	132.748
154.500	132.748
154.667	132.748
154.833	132.747
155.000	132.747
155.167	132.747
155.333	132.747
155.500	132.747
155.667	132.746
155.833	132.746
156.000	132.746
156.167	132.746
156.333	132.746
156.500	132.745
156.667	132.745
156.833	132.745
157.000	132.745
157.167	132.745
157.333	132.744
157.500	132.744
157.667	132.744
157.833	132.744
158.000	132.744
158.167	132.743
158.333	132.743
158.500	132.743
158.667	132.743
158.833	132.743
159.000	132.743
159.167	132.742
159.333	132.742
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159.667	132.742
159.833	132.742
160.000	132.741
160.167	132.741
160.333	132.741
160.500	132.741
160.667	132.741
160.833	132.741
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161.167	132.740
161.333	132.740
161.500	132.740
161.667	132.740
161.833	132.740
162.000	132.739
162.167	132.739
162.333	132.739
162.500	132.739
162.667	132.739
162.833	132.739
163.000	132.738
163.167	132.738
163.333	132.738
163.500	132.738
163.667	132.738
163.833	132.738
164.000	132.737
164.167	132.737

174.333	132.737
174.500	132.737
174.667	132.737
174.833	132.737
175.000	132.736
175.167	132.736
175.333	132.736
175.500	132.736
175.667	132.736
175.833	132.736
176.000	132.736
176.167	132.735
176.333	132.735
176.500	132.735
176.667	132.735
176.833	132.735
177.000	132.735
177.167	132.735
177.333	132.734
177.500	132.734
177.667	132.734
177.833	132.734
178.000	132.734
178.167	132.734
178.333	132.734
178.500	132.733
178.667	132.733
178.833	132.733
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179.167	132.733
179.333	132.733
179.500	132.733
179.667	132.732
179.833	132.732
180.000	132.732
180.167	132.732
180.333	132.732
180.500	132.732
180.667	132.732
180.833	132.732
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181.167	132.731
181.333	132.731
181.500	132.731
181.667	132.731
181.833	132.731
182.000	132.731
182.167	132.730
182.333	132.730
182.500	132.730
182.667	132.730
182.833	132.730
183.000	132.730
183.167	132.730
183.333	132.730
183.500	132.729
183.667	132.729
183.833	132.729
184.000	132.729
184.167	132.729
184.333	132.729
184.500	132.729
184.667	132.729
184.833	132.729
185.000	132.728
185.167	132.728
185.333	132.728
185.500	132.728
185.667	132.728
185.833	132.728
186.000	132.728
186.167	132.728
186.333	132.727

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186.500	132.727
186.667	132.727
186.833	132.727
187.000	132.727
187.167	132.727
187.333	132.727
187.500	132.727
187.667	132.727
187.833	132.726
188.000	132.726
188.167	132.726
188.333	132.726
188.500	132.726
188.667	132.726
188.833	132.726
189.000	132.726
189.167	132.726
189.333	132.726
189.500	132.725
189.667	132.725
189.833	132.725
190.000	132.725
190.167	132.725
190.333	132.725
190.500	132.725
190.667	132.725
190.833	132.725
191.000	132.724
191.167	132.724
191.333	132.724
191.500	132.724
191.667	132.724
191.833	132.724
192.000	132.724
192.167	132.724
192.333	132.724
192.500	132.724
192.667	132.723
192.833	132.723
193.000	132.723
193.167	132.723
193.333	132.723
193.500	132.723
193.667	132.723
193.833	132.723
194.000	132.723
194.167	132.723
194.333	132.722
194.500	132.722
194.667	132.722
194.833	132.722
195.000	132.722
195.167	132.722
195.333	132.722
195.500	132.722
195.667	132.722
195.833	132.722
196.000	132.722
196.167	132.722
196.333	132.721
196.500	132.721
196.667	132.721
196.833	132.721
197.000	132.721
197.167	132.721
197.333	132.721
197.500	132.721
197.667	132.721
197.833	132.721
198.000	132.720
198.167	132.720
198.333	132.720
198.500	132.720

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198.667	132.720
198.833	132.720
199.000	132.720
199.167	132.720
199.333	132.720
199.500	132.720
199.667	132.720
199.833	132.719
200.000	132.719

Name: 25yr24hr Node: NOI4000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.411
1.500	132.411
1.667	132.411
1.833	132.412
2.000	132.412
2.167	132.412
2.333	132.412
2.500	132.417
2.667	132.419
2.833	132.420
3.000	132.422
3.167	132.424
3.333	132.425
3.500	132.427
3.667	132.429
3.833	132.431
4.000	132.432
4.167	132.432
4.333	132.437
4.500	132.439
4.667	132.441
4.833	132.443
5.000	132.445
5.167	132.447
5.333	132.450
5.500	132.452
5.667	132.454
5.833	132.454
6.000	132.459
6.167	132.459
6.333	132.464
6.500	132.466
6.667	132.469
6.833	132.472
7.000	132.474
7.167	132.477
7.333	132.480
7.500	132.483
7.667	132.486
7.833	132.489
8.000	132.492
8.167	132.495
8.333	132.498
8.500	132.502
8.667	132.505
8.833	132.509
9.000	132.512
9.167	132.516
9.333	132.520
9.500	132.525

9.667	132.529
9.833	132.533
10.000	132.538
10.167	132.543
10.333	132.548
10.500	132.553
10.667	132.559
10.833	132.565
11.000	132.572
11.167	132.579
11.334	132.587
11.500	132.595
11.667	132.605
11.833	132.621
12.000	132.647
12.167	132.684
12.333	132.725
12.500	132.775
12.667	132.813
12.833	132.847
13.000	132.876
13.167	132.900
13.333	132.920
13.500	132.937
13.667	132.952
13.834	132.964
14.000	132.974
14.167	132.982
14.333	132.988
14.500	132.994
14.667	132.997
14.834	132.999
15.000	133.001
15.167	133.001
15.334	133.001
15.500	133.000
15.667	132.999
15.834	132.998
16.000	132.997
16.167	132.995
16.333	132.992
16.500	132.989
16.667	132.986
16.834	132.988
17.000	132.986
17.167	132.985
17.333	132.983
17.500	132.981
17.667	132.979
17.833	132.977
18.000	132.976
18.167	132.975
18.333	132.975
18.500	132.975
18.667	132.976
18.833	132.977
19.000	132.978
19.167	132.979
19.333	132.980
19.500	132.981
19.667	132.982
19.833	132.983
20.000	132.983
20.167	132.984
20.333	132.985
20.500	132.985
20.667	132.986
20.833	132.986
21.000	132.987
21.167	132.987
21.333	132.987
21.500	132.988
21.667	132.988

21.833	132.988
22.000	132.988
22.167	132.989
22.333	132.989
22.500	132.989
22.667	132.989
22.833	132.989
23.000	132.989
23.167	132.989
23.333	132.989
23.500	132.989
23.667	132.989
23.833	132.989
24.000	132.989
24.167	132.989
24.333	132.988
24.500	132.987
24.667	132.986
24.833	132.984
25.000	132.983
25.167	132.983
25.333	132.981
25.500	132.979
25.667	132.978
25.833	132.976
26.000	132.974
26.167	132.972
26.333	132.970
26.500	132.969
26.667	132.966
26.833	132.962
27.000	132.962
27.167	132.960
27.333	132.958
27.500	132.956
27.667	132.954
27.833	132.952
28.000	132.950
28.167	132.948
28.333	132.946
28.500	132.944
28.667	132.942
28.833	132.940
29.000	132.938
29.167	132.936
29.333	132.934
29.500	132.932
29.667	132.930
29.833	132.928
30.000	132.927
30.167	132.925
30.333	132.923
30.500	132.921
30.667	132.919
30.833	132.917
31.000	132.915
31.167	132.913
31.333	132.911
31.500	132.910
31.667	132.908
31.833	132.906
32.000	132.904
32.167	132.902
32.333	132.900
32.500	132.899
32.667	132.897
32.833	132.895
33.000	132.893
33.167	132.892
33.333	132.890
33.500	132.888
33.667	132.886
33.833	132.885

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34.000	132.883
34.167	132.881
34.333	132.880
34.500	132.878
34.667	132.876
34.833	132.875
35.000	132.873
35.167	132.871
35.333	132.870
35.500	132.868
35.667	132.866
35.833	132.865
36.000	132.863
36.167	132.862
36.333	132.860
36.500	132.859
36.667	132.857
36.833	132.856
37.000	132.854
37.167	132.853
37.333	132.851
37.500	132.850
37.667	132.849
37.833	132.847
38.000	132.846
38.167	132.845
38.333	132.843
38.500	132.842
38.667	132.841
38.833	132.839
39.000	132.838
39.167	132.837
39.333	132.836
39.500	132.835
39.667	132.833
39.833	132.832
40.000	132.831
40.167	132.830
40.333	132.829
40.500	132.828
40.667	132.825
40.833	132.826
41.000	132.825
41.167	132.824
41.333	132.823
41.500	132.822
41.667	132.821
41.833	132.820
42.000	132.819
42.167	132.818
42.333	132.817
42.500	132.816
42.667	132.815
42.833	132.814
43.000	132.813
43.167	132.813
43.333	132.812
43.500	132.811
43.667	132.810
43.833	132.809
44.000	132.808
44.167	132.808
44.333	132.807
44.500	132.806
44.667	132.805
44.833	132.804
45.000	132.804
45.167	132.803
45.333	132.803
45.500	132.802
45.667	132.801
45.833	132.800
46.000	132.799

Deberry Engineers, Inc.  
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46.167	132.799
46.333	132.798
46.500	132.797
46.667	132.797
46.833	132.796
47.000	132.795
47.167	132.794
47.333	132.793
47.500	132.793
47.667	132.792
47.833	132.792
48.000	132.791
48.167	132.790
48.333	132.789
48.500	132.788
48.667	132.787
48.833	132.787
49.000	132.786
49.167	132.786
49.333	132.785
49.500	132.785
49.667	132.784
49.833	132.784
50.000	132.783
50.167	132.783
50.333	132.782
50.500	132.782
50.667	132.781
50.833	132.781
51.000	132.780
51.167	132.780
51.333	132.779
51.500	132.778
51.667	132.778
51.833	132.777
52.000	132.776
52.167	132.776
52.333	132.775
52.500	132.775
52.667	132.774
52.833	132.774
53.000	132.773
53.167	132.772
53.333	132.772
53.500	132.771
53.667	132.771
53.833	132.770
54.000	132.770
54.167	132.769
54.333	132.768
54.500	132.768
54.667	132.767
54.833	132.767
55.000	132.766
55.167	132.766
55.333	132.765
55.500	132.765
55.667	132.765
55.833	132.764
56.000	132.764
56.167	132.764

Deberry Engineers, Inc.  
 01/23/2023

58.333	132.764
58.500	132.763
58.667	132.763
58.833	132.762
59.000	132.762
59.167	132.761
59.333	132.761
59.500	132.761
59.667	132.761
59.833	132.761
60.000	132.761
60.167	132.760
60.333	132.760
60.500	132.760
60.667	132.759
60.833	132.759
61.000	132.758
61.167	132.758
61.333	132.758
61.500	132.758
61.667	132.757
61.833	132.757
62.000	132.757
62.167	132.756
62.333	132.756
62.500	132.756
62.667	132.756
62.833	132.755
63.000	132.755
63.167	132.755
63.333	132.755
63.500	132.755
63.667	132.754
63.833	132.754
64.000	132.754
64.167	132.754
64.333	132.753
64.500	132.753
64.667	132.753
64.833	132.752
65.000	132.752
65.167	132.752
65.333	132.752
65.500	132.752
65.667	132.751
65.833	132.751
66.000	132.751
66.167	132.751
66.333	132.750
66.500	132.750
66.667	132.750
66.833	132.749
67.000	132.749
67.167	132.749
67.333	132.749
67.500	132.749
67.667	132.749
67.833	132.748
68.000	132.748
68.167	132.748
68.333	132.748
68.500	132.747
68.667	132.747
68.833	132.747
69.000	132.747
69.167	132.747
69.333	132.746
69.500	132.746
69.667	132.746
69.833	132.746
70.000	132.746
70.167	132.745
70.333	132.745

Deberry Engineers, Inc.  
 01/23/2023

70.500	132.745
70.667	132.745
70.833	132.745
71.000	132.744
71.167	132.744
71.333	132.744
71.500	132.744
71.667	132.744
71.833	132.743
72.000	132.743
72.167	132.743
72.333	132.743
72.500	132.742
72.667	132.742
72.833	132.742
73.000	132.742
73.167	132.742
73.333	132.742
73.500	132.742
73.667	132.741
73.833	132.741
74.000	132.741
74.167	132.741
74.333	132.741
74.500	132.740
74.667	132.740
74.833	132.740
75.000	132.740
75.167	132.740
75.333	132.739
75.500	132.739
75.667	132.739
75.833	132.739
76.000	132.739
76.167	132.739
76.333	132.739
76.500	132.738
76.667	132.738
76.833	132.738
77.000	132.738
77.167	132.738
77.333	132.738
77.500	132.737
77.667	132.737
77.833	132.737
78.000	132.737
78.167	132.737
78.333	132.737
78.500	132.737
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79.000	132.736
79.167	132.736
79.333	132.736
79.500	132.735
79.667	132.735
79.833	132.735
80.000	132.735
80.167	132.735
80.333	132.735
80.500	132.735
80.667	132.735
80.833	132.734
81.000	132.734
81.167	132.734
81.333	132.734
81.500	132.734
81.667	132.734
81.833	132.734
82.000	132.733
82.167	132.733
82.333	132.733
82.500	132.733

Deberry Engineers, Inc.  
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82.667	132.733
82.833	132.733
83.000	132.733
83.167	132.733
83.333	132.732
83.500	132.732
83.667	132.732
83.833	132.732
84.000	132.732
84.167	132.732
84.333	132.732
84.500	132.731
84.667	132.731
84.833	132.731
85.000	132.731
85.167	132.731
85.333	132.731
85.500	132.731
85.667	132.731
85.833	132.730
86.000	132.730
86.167	132.730
86.333	132.730
86.500	132.730
86.667	132.730
86.833	132.730
87.000	132.730
87.167	132.729
87.333	132.729
87.500	132.729
87.667	132.729
87.833	132.729
88.000	132.729
88.167	132.729
88.333	132.729
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88.667	132.728
88.833	132.728
89.000	132.728
89.167	132.728
89.333	132.728
89.500	132.728
89.667	132.728
89.833	132.727
90.000	132.727
90.167	132.727
90.333	132.727
90.500	132.727
90.667	132.727
90.833	132.727
91.000	132.727
91.167	132.727
91.333	132.727
91.500	132.726
91.667	132.726
91.833	132.726
92.000	132.726
92.167	132.726
92.333	132.726
92.500	132.726
92.667	132.726
92.833	132.726
93.000	132.725
93.167	132.725
93.333	132.725
93.500	132.725
93.667	132.725
93.833	132.725
94.000	132.725
94.167	132.725
94.333	132.725
94.500	132.725
94.667	132.724

Deberry Engineers, Inc.  
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94.833	132.724
95.000	132.724
95.167	132.724
95.333	132.724
95.500	132.724
95.667	132.724
95.833	132.724
96.000	132.724
96.167	132.723
96.333	132.723
96.500	132.723
96.667	132.723
96.833	132.723
97.000	132.723
97.167	132.723
97.333	132.723
97.500	132.723
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97.833	132.723
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98.167	132.722
98.333	132.722
98.500	132.722
98.667	132.722
98.833	132.722
99.000	132.722
99.167	132.722
99.333	132.722
99.500	132.721
99.667	132.721
99.833	132.721
100.000	132.721
100.167	132.721
100.333	132.721
100.500	132.721
100.667	132.721
100.833	132.721
101.000	132.721
101.167	132.721
101.333	132.721
101.500	132.720
101.667	132.720
101.833	132.720
102.000	132.720
102.167	132.720
102.333	132.720
102.500	132.720
102.667	132.720
102.833	132.720
103.000	132.720
103.167	132.720
103.333	132.720
103.500	132.719
103.667	132.719
103.833	132.719
104.000	132.719
104.167	132.719
104.333	132.719
104.500	132.719
104.667	132.719
104.833	132.719
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105.167	132.719
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167.167	132.699
167.333	132.699
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167.667	132.699

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168,333	132,698
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168,667	132,698
168,833	132,698
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169,167	132,698
169,333	132,698
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179,000	132,698
179,167	132,698
179,333	132,698
179,500	132,698
179,667	132,698
179,833	132,698

Danberry Engineers, Inc.  
 01/23/2023

180,000	132,696
180,167	132,696
180,333	132,696
180,500	132,696
180,667	132,696
180,833	132,696
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182,167	132,696
182,333	132,696
182,500	132,696
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183,167	132,696
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191,167	132,694
191,333	132,694
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191,833	132,694
192,000	132,694

Danberry Engineers, Inc.  
 01/23/2023

192.167	132.694		
192.333	132.693		
192.500	132.693		
192.667	132.693		
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193.667	132.693		
193.833	132.693		
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Deberry Engineers, Inc.  
 01/23/2023

3.167	132.288		
3.333	132.287		
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4.000	132.288		
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8.167	132.299		
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9.333	132.303		
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13.333	132.323		
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14.333	132.329		
14.500	132.329		
14.667	132.329		
14.833	132.330		
15.000	132.331		
15.167	132.331		

Deberry Engineers, Inc.  
 01/23/2023

15.333	132.332
15.500	132.333
15.667	132.334
15.833	132.335
16.000	132.336
16.167	132.337
16.333	132.338
16.500	132.339
16.667	132.340
16.833	132.341
17.000	132.342
17.167	132.343
17.333	132.344
17.500	132.345
17.667	132.346
17.833	132.347
18.000	132.348
18.167	132.349
18.333	132.350
18.500	132.351
18.667	132.352
18.833	132.353
19.000	132.354
19.167	132.355
19.333	132.356
19.500	132.357
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19.833	132.359
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20.167	132.361
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20.833	132.365
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21.167	132.367
21.333	132.368
21.500	132.369
21.667	132.370
21.833	132.371
22.000	132.372
22.167	132.373
22.333	132.374
22.500	132.375
22.667	132.376
22.833	132.377
23.000	132.378
23.167	132.379
23.333	132.380
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24.000	132.384
24.167	132.385
24.333	132.386
24.500	132.388
24.667	132.389
24.833	132.391
25.000	132.393
25.167	132.395
25.334	132.397
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25.667	132.402
25.833	132.407
26.000	132.410
26.167	132.413
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26.500	132.418
26.667	132.421
26.833	132.424
27.000	132.427
27.167	132.427
27.333	132.430

Deberry Engineers, Inc.  
 01/23/2023

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27.667	132.435
27.833	132.438
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28.333	132.450
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28.667	132.456
28.833	132.459
29.000	132.462
29.167	132.462
29.333	132.465
29.500	132.467
29.667	132.470
29.833	132.473
30.000	132.476
30.167	132.479
30.333	132.483
30.500	132.486
30.667	132.489
30.834	132.492
31.000	132.495
31.167	132.498
31.333	132.500
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31.667	132.506
31.833	132.509
32.000	132.512
32.167	132.512
32.333	132.518
32.500	132.521
32.667	132.524
32.833	132.527
33.000	132.530
33.167	132.533
33.333	132.536
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33.667	132.542
33.834	132.542
34.000	132.548
34.167	132.554
34.333	132.557
34.500	132.560
34.667	132.563
34.833	132.566
35.000	132.569
35.167	132.572
35.333	132.575
35.500	132.578
35.667	132.581
35.834	132.581
36.000	132.588
36.167	132.589
36.334	132.592
36.500	132.595
36.667	132.598
36.833	132.601
37.000	132.604
37.167	132.607
37.333	132.610
37.500	132.613
37.667	132.616
37.833	132.619
38.000	132.622
38.167	132.625
38.333	132.628
38.500	132.631
38.667	132.634
38.833	132.637
39.000	132.640
39.167	132.643
39.334	132.643
39.500	132.646

Deberry Engineers, Inc.  
 01/23/2023

39.667	132.648
39.834	132.651
40.000	132.654
40.167	132.657
40.333	132.660
40.500	132.663
40.667	132.666
40.833	132.669
41.000	132.672
41.167	132.675
41.334	132.677
41.500	132.680
41.667	132.683
41.833	132.686
42.000	132.689
42.167	132.692
42.333	132.695
42.500	132.698
42.667	132.701
42.833	132.704
43.000	132.706
43.167	132.709
43.334	132.712
43.500	132.715
43.667	132.718
43.833	132.721
44.000	132.724
44.167	132.727
44.333	132.730
44.500	132.733
44.667	132.736
44.833	132.739
45.000	132.742
45.167	132.745
45.333	132.747
45.500	132.750
45.667	132.753
45.833	132.756
46.000	132.759
46.167	132.762
46.333	132.765
46.500	132.768
46.667	132.771
46.833	132.774
47.000	132.777
47.167	132.779
47.333	132.782
47.500	132.785
47.667	132.788
47.834	132.791
48.000	132.794
48.167	132.797
48.333	132.800
48.500	132.803
48.667	132.806
48.833	132.807
49.000	132.809
49.167	132.810
49.333	132.812
49.500	132.813
49.667	132.814
49.833	132.815
50.000	132.816
50.167	132.818
50.333	132.819
50.500	132.820
50.667	132.821
50.833	132.822
51.000	132.823
51.167	132.824
51.333	132.825
51.500	132.826
51.667	132.826

Deberry Engineers, Inc.  
 01/23/2023

51.833	132.827
52.000	132.828
52.167	132.829
52.333	132.831
52.500	132.832
52.667	132.833
52.833	132.836
53.000	132.838
53.167	132.840
53.333	132.842
53.500	132.844
53.667	132.846
53.833	132.848
54.000	132.851
54.167	132.854
54.333	132.856
54.500	132.858
54.667	132.862
54.833	132.865
55.000	132.869
55.167	132.872
55.333	132.876
55.500	132.876
55.667	132.880
55.833	132.884
56.000	132.888
56.167	132.893
56.333	132.898
56.500	132.902
56.667	132.905
56.834	132.913
57.000	132.919
57.167	132.925
57.334	132.932
57.500	132.938
57.667	132.945
57.833	132.953
58.000	132.962
58.167	132.971
58.333	132.980
58.500	132.987
58.667	133.014
58.834	133.028
59.000	133.042
59.167	133.058
59.333	133.075
59.500	133.095
59.667	133.117
59.833	133.142
60.000	133.170
60.167	133.200
60.333	133.229
60.500	133.262
60.667	133.297
60.833	133.323
61.000	133.352
61.167	133.382
61.333	133.410
61.500	133.438
61.667	133.464
61.833	133.488
62.000	133.512
62.167	133.534
62.333	133.558
62.500	133.572
62.667	133.593
62.834	133.611
63.000	133.627
63.167	133.643
63.333	133.658
63.500	133.672
63.667	133.685
63.833	133.697

Deberry Engineers, Inc.  
 01/23/2023

64.000	133.708
64.167	133.719
64.334	133.729
64.500	133.739
64.667	133.749
64.833	133.756
65.000	133.763
65.167	133.770
65.333	133.777
65.500	133.783
65.667	133.789
65.833	133.794
66.000	133.799
66.167	133.804
66.333	133.809
66.500	133.812
66.667	133.812
66.833	133.821
67.000	133.824
67.167	133.828
67.333	133.831
67.500	133.834
67.667	133.837
67.833	133.840
68.000	133.842
68.167	133.845
68.334	133.847
68.500	133.849
68.667	133.851
68.833	133.853
69.000	133.855
69.167	133.856
69.333	133.858
69.500	133.859
69.667	133.860
69.833	133.861
70.000	133.862
70.167	133.863
70.333	133.863
70.500	133.864
70.667	133.864
70.833	133.865
71.000	133.865
71.167	133.866
71.334	133.866
71.500	133.866
71.667	133.866
71.833	133.867
72.000	133.867
72.167	133.868
72.333	133.868
72.500	133.868
72.667	133.869
72.833	133.869
73.000	133.869
73.167	133.869
73.334	133.869
73.500	133.870
73.667	133.870
73.833	133.871
74.000	133.871
74.167	133.872
74.333	133.872
74.500	133.873
74.667	133.873
74.834	133.874
75.000	133.875
75.167	133.876
75.333	133.877
75.500	133.878
75.667	133.879
75.834	133.880
76.000	133.881
	133.882

76.167	133.882
76.333	133.883
76.500	133.884
76.667	133.885
76.833	133.885
77.000	133.887
77.167	133.888
77.334	133.889
77.500	133.890
77.667	133.891
77.834	133.892
78.000	133.893
78.167	133.894
78.333	133.895
78.500	133.896
78.667	133.896
78.833	133.897
79.000	133.898
79.167	133.899
79.333	133.900
79.500	133.901
79.667	133.902
79.833	133.903
80.000	133.904
80.167	133.905
80.333	133.906
80.500	133.907
80.667	133.907
80.833	133.909
81.000	133.910
81.167	133.911
81.333	133.912
81.500	133.912
81.667	133.913
81.833	133.914
82.000	133.914
82.167	133.915
82.333	133.916
82.500	133.917
82.667	133.918
82.833	133.919
83.000	133.920
83.167	133.921
83.333	133.922
83.500	133.922
83.667	133.922
83.833	133.923
84.000	133.924
84.167	133.925
84.333	133.926
84.500	133.926
84.667	133.926
84.833	133.927
85.000	133.928
85.167	133.929
85.333	133.930
85.500	133.930
85.667	133.931
85.833	133.932
86.000	133.933
86.167	133.934
86.333	133.935
86.500	133.935
86.667	133.936
86.833	133.937
87.000	133.938
87.167	133.939
87.333	133.940
87.500	133.940
87.667	133.941
87.833	133.942
88.000	133.943
	133.943

88.333	133.944
88.500	133.945
88.667	133.946
88.833	133.946
89.000	133.948
89.167	133.948
89.333	133.948
89.500	133.949
89.667	133.950
89.833	133.951
90.000	133.951
90.167	133.952
90.333	133.953
90.500	133.954
90.667	133.954
90.833	133.954
91.000	133.955
91.167	133.956
91.333	133.957
91.500	133.958
91.667	133.958
91.833	133.959
92.000	133.960
92.167	133.960
92.333	133.961
92.500	133.962
92.667	133.963
92.833	133.963
93.000	133.964
93.167	133.965
93.333	133.965
93.500	133.966
93.667	133.967
93.833	133.967
94.000	133.968
94.167	133.969
94.333	133.969
94.500	133.970
94.667	133.971
94.833	133.971
95.000	133.972
95.167	133.973
95.333	133.973
95.500	133.974
95.667	133.975
95.833	133.975
96.000	133.976
96.167	133.976
96.333	133.977
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96.667	133.978
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97.000	133.978
97.167	133.978
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97.667	133.977
97.833	133.977
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98.333	133.976
98.500	133.975
98.667	133.975
98.833	133.974
99.000	133.974
99.167	133.973
99.333	133.972
99.500	133.972
99.667	133.971
99.833	133.970
100.000	133.969
100.167	133.968
100.333	133.967

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100.500	133.967
100.667	133.966
100.833	133.965
101.000	133.964
101.167	133.963
101.333	133.963
101.500	133.962
101.667	133.961
101.833	133.960
102.000	133.960
102.167	133.959
102.333	133.958
102.500	133.957
102.667	133.957
102.833	133.956
103.000	133.955
103.167	133.954
103.333	133.953
103.500	133.952
103.667	133.951
103.833	133.950
104.000	133.950
104.167	133.949
104.333	133.949
104.500	133.948
104.667	133.947
104.833	133.946
105.000	133.945
105.167	133.944
105.333	133.944
105.500	133.943
105.667	133.942
105.833	133.941
106.000	133.940
106.167	133.939
106.333	133.939
106.500	133.938
106.667	133.937
106.833	133.936
107.000	133.935
107.167	133.934
107.333	133.933
107.500	133.932
107.667	133.932
107.833	133.931
108.000	133.930
108.167	133.929
108.333	133.928
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108.667	133.928
108.833	133.927
109.000	133.926
109.167	133.925
109.333	133.924
109.500	133.923
109.667	133.923
109.833	133.922
110.000	133.921
110.167	133.920
110.333	133.919
110.500	133.918
110.667	133.918
110.833	133.917
111.000	133.916
111.167	133.915
111.333	133.914
111.500	133.913
111.667	133.912
111.833	133.912
112.000	133.911
112.167	133.910
112.333	133.909
112.500	133.908

Deberry Engineers, Inc.  
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112.667	133.907
112.833	133.907
113.000	133.906
113.167	133.905
113.333	133.904
113.500	133.902
113.667	133.902
113.833	133.902
114.000	133.901
114.167	133.900
114.333	133.899
114.500	133.898
114.667	133.897
114.833	133.897
115.000	133.896
115.167	133.896
115.333	133.894
115.500	133.893
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115.833	133.892
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116.167	133.890
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116.500	133.889
116.667	133.888
116.833	133.888
117.000	133.887
117.167	133.886
117.333	133.886
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117.667	133.884
117.833	133.883
118.000	133.882
118.167	133.882
118.333	133.881
118.500	133.880
118.667	133.879
118.833	133.879
119.000	133.878
119.167	133.878
119.333	133.876
119.500	133.876
119.667	133.875
119.833	133.874
120.000	133.873
120.167	133.872
120.333	133.872
120.500	133.872
120.667	133.871
120.833	133.870
121.000	133.869
121.167	133.868
121.333	133.868
121.500	133.867
121.667	133.866
121.833	133.866
122.000	133.865
122.167	133.864
122.333	133.863
122.500	133.863
122.667	133.862
122.833	133.861
123.000	133.860
123.167	133.859
123.333	133.858
123.500	133.858
123.667	133.857
123.833	133.856
124.000	133.855
124.167	133.854
124.333	133.853
124.500	133.852
124.667	133.851
124.833	133.851
125.000	133.850
125.167	133.849
125.333	133.848
125.500	133.847
125.667	133.847

124.833	133.847
125.000	133.846
125.167	133.845
125.333	133.844
125.500	133.844
125.667	133.842
125.833	133.841
126.000	133.840
126.167	133.839
126.333	133.838
126.500	133.837
126.667	133.836
126.833	133.835
127.000	133.834
127.167	133.833
127.333	133.832
127.500	133.831
127.667	133.830
127.833	133.829
128.000	133.828
128.167	133.827
128.333	133.826
128.500	133.825
128.667	133.824
128.833	133.823
129.000	133.822
129.167	133.822
129.333	133.821
129.500	133.820
129.667	133.819
129.833	133.818
130.000	133.817
130.167	133.816
130.333	133.815
130.500	133.814
130.667	133.813
130.833	133.812
131.000	133.811
131.167	133.810
131.333	133.809
131.500	133.808
131.667	133.807
131.833	133.806
132.000	133.805
132.167	133.804
132.333	133.803
132.500	133.803
132.667	133.802
132.833	133.801
133.000	133.800
133.167	133.799
133.333	133.798
133.500	133.797
133.667	133.796
133.833	133.795
134.000	133.794
134.167	133.793
134.333	133.792
134.500	133.791
134.667	133.790
134.833	133.789
135.000	133.788
135.167	133.788
135.333	133.786
135.500	133.786
135.667	133.784
135.833	133.783
136.000	133.782
136.167	133.782
136.333	133.781
136.500	133.780
136.667	133.779
136.833	133.779

137.000	133.778
137.167	133.777
137.333	133.776
137.500	133.775
137.667	133.774
137.833	133.773
138.000	133.772
138.167	133.771
138.333	133.770
138.500	133.769
138.667	133.768
138.833	133.768
139.000	133.767
139.167	133.766
139.333	133.765
139.500	133.764
139.667	133.763
139.833	133.762
140.000	133.761
140.167	133.760
140.333	133.759
140.500	133.758
140.667	133.757
140.833	133.757
141.000	133.756
141.167	133.755
141.333	133.754
141.500	133.753
141.667	133.752
141.833	133.751
142.000	133.750
142.167	133.749
142.333	133.748
142.500	133.748
142.667	133.747
142.833	133.746
143.000	133.745
143.167	133.744
143.333	133.743
143.500	133.742
143.667	133.741
143.833	133.740
144.000	133.739
144.167	133.738
144.333	133.737
144.500	133.736
144.667	133.735
144.833	133.734
145.000	133.733
145.167	133.732
145.333	133.732
145.500	133.731
145.667	133.730
145.833	133.729
146.000	133.728
146.167	133.728
146.333	133.727
146.500	133.726
146.667	133.725
146.833	133.725
147.000	133.724
147.167	133.724
147.333	133.722
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147.833	133.720
148.000	133.719
148.167	133.718
148.333	133.717
148.500	133.716
148.667	133.715
148.833	133.714
149.000	133.713

149.167	133.712
149.333	133.712
149.500	133.711
149.667	133.710
149.833	133.709
150.000	133.708
150.167	133.707
150.333	133.706
150.500	133.705
150.667	133.705
150.833	133.704
151.000	133.703
151.167	133.702
151.333	133.701
151.500	133.700
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151.833	133.698
152.000	133.698
152.167	133.697
152.333	133.696
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152.667	133.695
152.833	133.694
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153.167	133.692
153.333	133.691
153.500	133.690
153.667	133.689
153.833	133.689
154.000	133.688
154.167	133.687
154.333	133.686
154.500	133.685
154.667	133.685
154.833	133.684
155.000	133.683
155.167	133.682
155.333	133.681
155.500	133.680
155.667	133.680
155.833	133.679
156.000	133.678
156.167	133.677
156.333	133.676
156.500	133.675
156.667	133.674
156.833	133.673
157.000	133.672
157.167	133.671
157.333	133.671
157.500	133.670
157.667	133.669
157.833	133.668
158.000	133.668
158.167	133.667
158.333	133.667
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158.667	133.665
158.833	133.664
159.000	133.663
159.167	133.662
159.333	133.662
159.500	133.661
159.667	133.660
159.833	133.659
160.000	133.658
160.167	133.658
160.333	133.657
160.500	133.656
160.667	133.655
160.833	133.654
161.000	133.654
161.167	133.653

161.333	133.652
161.500	133.651
161.667	133.650
161.833	133.649
162.000	133.648
162.167	133.647
162.333	133.646
162.500	133.646
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162.833	133.644
163.000	133.644
163.167	133.643
163.333	133.643
163.500	133.642
163.667	133.641
163.833	133.640
164.000	133.639
164.167	133.638
164.333	133.637
164.500	133.636
164.667	133.635
164.833	133.634
165.000	133.633
165.167	133.633
165.333	133.633
165.500	133.632
165.667	133.632
165.833	133.631
166.000	133.631
166.167	133.629
166.333	133.628
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166.667	133.627
166.833	133.626
167.000	133.625
167.167	133.625
167.333	133.624
167.500	133.623
167.667	133.622
167.833	133.622
168.000	133.621
168.167	133.620
168.333	133.619
168.500	133.619
168.667	133.618
168.833	133.617
169.000	133.616
169.167	133.615
169.333	133.615
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169.667	133.613
169.833	133.612
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170.333	133.610
170.500	133.609
170.667	133.609
170.833	133.608
171.000	133.607
171.167	133.606
171.333	133.606
171.500	133.605
171.667	133.604
171.833	133.604
172.000	133.603
172.167	133.602
172.333	133.601
172.500	133.600
172.667	133.600
172.833	133.599
173.000	133.598
173.167	133.597
173.333	133.597

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173.500	133.596
173.667	133.595
173.833	133.594
174.000	133.594
174.167	133.592
174.333	133.591
174.500	133.591
174.667	133.590
174.833	133.589
175.000	133.589
175.167	133.588
175.333	133.588
175.500	133.587
175.667	133.586
175.833	133.586
176.000	133.585
176.167	133.584
176.333	133.583
176.500	133.582
176.667	133.581
176.833	133.580
177.000	133.580
177.167	133.579
177.333	133.578
177.500	133.578
177.667	133.577
177.833	133.577
178.000	133.576
178.167	133.575
178.333	133.574
178.500	133.573
178.667	133.572
178.833	133.572
179.000	133.571
179.167	133.571
179.333	133.570
179.500	133.569
179.667	133.568
179.833	133.568
180.000	133.567
180.167	133.566
180.333	133.565
180.500	133.564
180.667	133.564
180.833	133.563
181.000	133.563
181.167	133.562
181.333	133.561
181.500	133.561
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182.000	133.559
182.167	133.558
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182.500	133.557
182.667	133.556
182.833	133.555
183.000	133.555
183.167	133.554
183.333	133.553
183.500	133.553
183.667	133.552
183.833	133.551
184.000	133.550
184.167	133.549
184.333	133.548
184.500	133.548
184.667	133.548
184.833	133.547
185.000	133.546
185.167	133.546
185.333	133.545
185.500	133.544

Deberry Engineers, Inc.  
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185,667	133,544
185,833	133,543
186,000	133,542
186,167	133,541
186,333	133,540
186,500	133,539
186,667	133,538
187,000	133,537
187,167	133,536
187,333	133,535
187,500	133,534
187,667	133,533
188,000	133,532
188,167	133,531
188,333	133,530
189,000	133,529
189,167	133,528
189,333	133,527
189,500	133,526
189,667	133,525
190,000	133,524
190,167	133,523
190,333	133,522
190,500	133,521
191,167	133,520
191,333	133,519
191,500	133,518
191,667	133,517
191,833	133,516
192,000	133,515
192,167	133,514
192,333	133,513
192,500	133,512
192,667	133,511
193,167	133,510
193,333	133,509
193,500	133,508
194,167	133,507
194,333	133,506
194,500	133,505
194,667	133,504
195,167	133,503
195,333	133,502
195,500	133,501
195,667	133,500
196,000	133,499
196,167	133,498
196,333	133,497
196,500	133,496
196,667	133,495

197,833	133,495
198,000	133,494
198,167	133,493
198,333	133,492
198,500	133,491
198,667	133,490
199,000	133,489
199,167	133,488
199,333	133,487
199,500	133,486
199,667	133,485
199,833	133,484
200,000	133,483

Name: 500yr5day	Node: NO14000	Type: Stage
Time (hrs)	Stage (ft)	
0.000	132.410	
0.167	132.410	
0.333	132.410	
0.500	132.410	
0.667	132.410	
0.833	132.410	
1.000	132.410	
1.167	132.410	
1.333	132.410	
1.500	132.410	
1.667	132.410	
1.833	132.411	
2.000	132.411	
2.167	132.411	
2.333	132.411	
2.500	132.412	
2.667	132.412	
2.833	132.413	
3.000	132.414	
3.167	132.415	
3.333	132.416	
3.500	132.417	
3.667	132.418	
3.833	132.419	
4.000	132.420	
4.167	132.421	
4.333	132.422	
4.500	132.423	
4.667	132.424	
4.833	132.425	
5.000	132.426	
5.167	132.427	
5.333	132.428	
5.500	132.429	
5.667	132.430	
5.833	132.431	
6.000	132.432	
6.167	132.433	
6.333	132.434	
6.500	132.435	
6.667	132.436	
6.833	132.437	
7.000	132.438	
7.167	132.439	
7.333	132.440	
7.500	132.441	
7.667	132.442	
7.833	132.443	
8.000	132.444	
8.167	132.445	
8.333	132.446	
8.500	132.447	
8.667	132.448	

8.833	132.449
9.000	132.450
9.167	132.451
9.333	132.452
9.500	132.453
9.667	132.454
9.833	132.455
10.000	132.456
10.167	132.457
10.333	132.458
10.500	132.459
10.667	132.460
10.833	132.461
11.000	132.462
11.167	132.463
11.333	132.464
11.500	132.465
11.667	132.466
11.833	132.467
12.000	132.468
12.167	132.469
12.333	132.470
12.500	132.471
12.667	132.472
12.833	132.473
13.000	132.474
13.167	132.475
13.333	132.476
13.500	132.477
13.667	132.478
13.833	132.479
14.000	132.480
14.167	132.481
14.333	132.482
14.500	132.483
14.667	132.484
14.833	132.485
15.000	132.486
15.167	132.487
15.333	132.488
15.500	132.489
15.667	132.490
15.833	132.491
16.000	132.492
16.167	132.493
16.333	132.494
16.500	132.495
16.667	132.496
16.833	132.497
17.000	132.498
17.167	132.499
17.333	132.500
17.500	132.501
17.667	132.502
17.833	132.503
18.000	132.504
18.167	132.506
18.333	132.507
18.500	132.508
18.667	132.509
18.833	132.510
19.000	132.511
19.167	132.512
19.333	132.513
19.500	132.514
19.667	132.515
19.833	132.517
20.000	132.518
20.167	132.519
20.333	132.520
20.500	132.521
20.667	132.522
20.833	132.524

21.000	132.525
21.167	132.526
21.333	132.527
21.500	132.528
21.667	132.529
21.833	132.530
22.000	132.531
22.167	132.532
22.333	132.533
22.500	132.534
22.667	132.535
22.833	132.536
23.000	132.537
23.167	132.538
23.333	132.539
23.500	132.540
23.667	132.541
23.833	132.542
24.000	132.543
24.167	132.544
24.333	132.545
24.500	132.546
24.667	132.548
24.833	132.550
25.000	132.552
25.167	132.554
25.333	132.557
25.500	132.559
25.667	132.562
25.833	132.565
26.000	132.568
26.167	132.571
26.333	132.574
26.500	132.578
26.667	132.581
26.833	132.584
27.000	132.587
27.167	132.590
27.333	132.594
27.500	132.597
27.667	132.600
27.833	132.603
28.000	132.606
28.167	132.610
28.333	132.613
28.500	132.616
28.667	132.619
28.833	132.622
29.000	132.626
29.167	132.629
29.333	132.632
29.500	132.635
29.667	132.638
29.833	132.642
30.000	132.645
30.167	132.648
30.333	132.652
30.500	132.655
30.667	132.658
30.833	132.661
31.000	132.665
31.167	132.668
31.333	132.671
31.500	132.674
31.667	132.678
31.833	132.681
32.000	132.684
32.167	132.687
32.333	132.690
32.500	132.693
32.667	132.697
32.833	132.700
33.000	132.703
	132.706

53.167	132.709
53.333	132.712
53.500	132.715
53.667	132.718
53.833	132.721
54.000	132.724
54.167	132.728
54.333	132.731
54.500	132.734
54.667	132.737
54.833	132.740
55.000	132.743
55.167	132.746
55.333	132.749
55.500	132.752
55.667	132.755
55.833	132.758
56.000	132.761
56.167	132.764
56.333	132.767
56.500	132.769
56.667	132.772
56.833	132.775
57.000	132.778
57.167	132.780
57.333	132.783
57.500	132.785
57.667	132.788
57.833	132.791
58.000	132.793
58.167	132.796
58.333	132.799
58.500	132.801
58.667	132.804
58.833	132.806
59.000	132.808
59.167	132.811
59.333	132.813
59.500	132.815
59.667	132.818
59.833	132.821
60.000	132.822
40.167	132.824
40.333	132.826
40.500	132.828
40.667	132.830
40.833	132.832
41.000	132.834
41.167	132.836
41.333	132.838
41.500	132.840
41.667	132.842
41.833	132.844
42.000	132.845
42.167	132.847
42.333	132.849
42.500	132.851
42.667	132.852
42.833	132.854
43.000	132.856
43.167	132.858
43.333	132.859
43.500	132.861
43.667	132.862
43.833	132.863
44.000	132.866
44.167	132.867
44.333	132.869
44.500	132.870
44.667	132.871
44.833	132.873
45.000	132.874
45.167	132.875

Deberry Engineers, Inc.  
 01/23/2023

45.333	132.877
45.500	132.878
45.667	132.879
45.833	132.880
46.000	132.881
46.167	132.882
46.333	132.885
46.500	132.886
46.667	132.887
46.833	132.888
47.000	132.888
47.167	132.889
47.333	132.890
47.500	132.891
47.667	132.892
47.833	132.893
48.000	132.894
48.167	132.896
48.333	132.896
48.500	132.896
48.667	132.895
48.833	132.895
49.000	132.894
49.167	132.893
49.333	132.892
49.500	132.891
49.667	132.889
49.833	132.889
50.000	132.885
50.167	132.885
50.333	132.884
50.500	132.882
50.667	132.881
50.833	132.880
51.000	132.879
51.167	132.878
51.333	132.877
51.500	132.876
51.667	132.875
51.833	132.875
52.000	132.874
52.167	132.874
52.333	132.874
52.500	132.874
52.667	132.875
52.833	132.875
53.000	132.875
53.167	132.876
53.333	132.876
53.500	132.877
53.667	132.877
53.833	132.879
54.000	132.880
54.167	132.881
54.333	132.883
54.500	132.884
54.667	132.886
54.833	132.888
55.000	132.890
55.167	132.893
55.333	132.895
55.500	132.898
55.667	132.901
55.833	132.904
56.000	132.904
56.167	132.901
56.333	132.914
56.500	132.918
56.667	132.923
56.833	132.927
57.000	132.932
57.167	132.937
57.333	132.942
57.500	132.947

Deberry Engineers, Inc.  
 01/23/2023

57,500	132,954
57,667	132,961
57,833	132,970
58,000	132,980
58,167	132,991
58,333	133,004
58,500	133,020
58,667	133,037
58,833	133,057
59,000	133,077
59,167	133,099
59,333	133,125
59,500	133,155
59,667	133,190
59,833	133,229
60,000	133,271
60,167	133,318
60,333	133,364
60,500	133,404
60,667	133,446
60,833	133,486
61,000	133,524
61,167	133,561
61,333	133,597
61,500	133,629
61,667	133,659
61,833	133,686
62,000	133,711
62,167	133,733
62,333	133,756
62,500	133,776
62,667	133,794
62,833	133,810
63,000	133,825
63,167	133,838
63,333	133,851
63,500	133,862
63,667	133,872
63,833	133,882
64,000	133,890
64,167	133,896
64,333	133,905
64,500	133,912
64,667	133,917
64,833	133,922
65,000	133,926
65,167	133,930
65,333	133,934
65,500	133,937
65,667	133,939
65,833	133,941
66,000	133,942
66,167	133,945
66,333	133,946
66,500	133,947
66,667	133,948
66,833	133,948
67,000	133,948
67,167	133,948
67,333	133,948
67,500	133,947
67,667	133,947
67,833	133,946
68,000	133,943
68,167	133,943
68,333	133,942
68,500	133,940
68,667	133,938
68,833	133,936
69,000	133,933
69,167	133,931
69,333	133,928
69,500	133,925

Deberry Engineers, Inc.  
 01/23/2023

69,667	133,922
69,833	133,919
70,000	133,915
70,167	133,912
70,333	133,908
70,500	133,904
70,667	133,900
70,833	133,896
71,000	133,892
71,167	133,888
71,333	133,884
71,500	133,880
71,667	133,877
71,833	133,873
72,000	133,869
72,167	133,865
72,333	133,861
72,500	133,858
72,667	133,854
72,833	133,850
73,000	133,847
73,167	133,843
73,333	133,840
73,500	133,836
73,667	133,833
73,833	133,830
74,000	133,827
74,167	133,825
74,333	133,822
74,500	133,819
74,667	133,817
74,833	133,814
75,000	133,812
75,167	133,810
75,333	133,807
75,500	133,805
75,667	133,803
75,833	133,800
76,000	133,798
76,167	133,796
76,333	133,794
76,500	133,791
76,667	133,789
76,833	133,787
77,000	133,785
77,167	133,783
77,333	133,781
77,500	133,779
77,667	133,777
77,833	133,774
78,000	133,772
78,167	133,770
78,333	133,768
78,500	133,766
78,667	133,764
78,833	133,762
79,000	133,760
79,167	133,758
79,333	133,756
79,500	133,754
79,667	133,752
79,833	133,749
80,000	133,747
80,167	133,745
80,333	133,743
80,500	133,741
80,667	133,739
80,833	133,737
81,000	133,735
81,167	133,733
81,333	133,732
81,500	133,730
81,667	133,728

Deberry Engineers, Inc.  
 01/23/2023

81.833	133.726
82.000	133.724
82.167	133.722
82.333	133.720
82.500	133.718
82.667	133.716
82.833	133.714
83.000	133.712
83.167	133.710
83.333	133.708
83.500	133.706
83.667	133.704
83.833	133.702
84.000	133.700
84.167	133.698
84.333	133.696
84.500	133.694
84.667	133.692
84.833	133.691
85.000	133.689
85.167	133.687
85.333	133.685
85.500	133.683
85.667	133.682
85.833	133.680
86.000	133.678
86.167	133.676
86.333	133.674
86.500	133.672
86.667	133.671
86.833	133.669
87.000	133.668
87.167	133.666
87.333	133.664
87.500	133.662
87.667	133.661
87.833	133.659
88.000	133.657
88.167	133.656
88.333	133.654
88.500	133.652
88.667	133.651
88.833	133.649
89.000	133.647
89.167	133.645
89.333	133.644
89.500	133.642
89.667	133.640
89.833	133.639
90.000	133.637
90.167	133.636
90.333	133.634
90.500	133.633
90.667	133.631
90.833	133.629
91.000	133.628
91.167	133.626
91.333	133.624
91.500	133.623
91.667	133.621
91.833	133.620
92.000	133.618
92.167	133.617
92.333	133.615
92.500	133.614
92.667	133.612
92.833	133.610
93.000	133.609
93.167	133.607
93.333	133.606
93.500	133.604
93.667	133.603
93.833	133.601

Deberry Engineers, Inc.  
 01/23/2023

94.000	133.600
94.167	133.598
94.333	133.597
94.500	133.595
94.667	133.592
94.833	133.591
95.000	133.589
95.167	133.588
95.333	133.586
95.500	133.585
95.667	133.583
95.833	133.582
96.000	133.580
96.167	133.578
96.333	133.576
96.500	133.574
96.667	133.572
96.833	133.569
97.000	133.566
97.167	133.563
97.333	133.560
97.500	133.557
97.667	133.554
97.833	133.551
98.000	133.547
98.167	133.544
98.333	133.541
98.500	133.534
98.667	133.534
98.833	133.534
99.000	133.530
99.167	133.527
99.333	133.523
99.500	133.520
99.667	133.516
99.833	133.513
100.000	133.509
100.167	133.506
100.333	133.502
100.500	133.498
100.667	133.492
100.833	133.489
101.000	133.485
101.167	133.482
101.333	133.478
101.500	133.475
101.667	133.472
101.833	133.469
102.000	133.465
102.167	133.462
102.333	133.458
102.500	133.452
102.667	133.449
102.833	133.445
103.000	133.441
103.167	133.436
103.333	133.433
103.500	133.430
103.667	133.427
103.833	133.423
104.000	133.420
104.167	133.417
104.333	133.414
104.500	133.411
104.667	133.407
104.833	133.404
105.000	133.401
105.167	133.398
105.333	133.395
105.500	133.392
105.667	133.389
105.833	133.386
106.000	133.383

Deberry Engineers, Inc.  
 01/23/2023



106.167	133.389
106.333	133.385
106.500	133.382
106.667	133.379
106.833	133.376
107.000	133.373
107.167	133.371
107.333	133.368
107.500	133.365
107.667	133.362
107.833	133.359
108.000	133.356
108.167	133.353
108.333	133.350
108.500	133.347
108.667	133.344
108.833	133.341
109.000	133.338
109.167	133.336
109.333	133.333
109.500	133.330
109.667	133.327
109.833	133.324
110.000	133.321
110.167	133.318
110.333	133.315
110.500	133.312
110.667	133.310
110.833	133.307
111.000	133.304
111.167	133.301
111.333	133.298
111.500	133.295
111.667	133.292
111.833	133.289
112.000	133.287
112.167	133.284
112.333	133.281
112.500	133.279
112.667	133.276
112.833	133.271
113.000	133.271
113.167	133.268
113.333	133.266
113.500	133.263
113.667	133.260
113.833	133.258
114.000	133.255
114.167	133.253
114.333	133.250
114.500	133.247
114.667	133.244
114.833	133.242
115.000	133.240
115.167	133.237
115.333	133.234
115.500	133.232
115.667	133.229
115.833	133.226
116.000	133.224
116.167	133.221
116.333	133.219
116.500	133.216
116.667	133.216
116.833	133.214
117.000	133.211
117.167	133.208
117.333	133.206
117.500	133.203
117.667	133.201
117.833	133.198
118.000	133.196
118.167	133.194
	133.191

118.333	133.189
118.500	133.187
118.667	133.184
118.833	133.182
119.000	133.180
119.167	133.177
119.333	133.175
119.500	133.172
119.667	133.170
119.833	133.168
120.000	133.165
120.167	133.163
120.333	133.160
120.500	133.158
120.667	133.155
120.833	133.153
121.000	133.150
121.167	133.148
121.333	133.145
121.500	133.143
121.667	133.140
121.833	133.137
122.000	133.135
122.167	133.132
122.333	133.130
122.500	133.127
122.667	133.124
122.833	133.122
123.000	133.119
123.167	133.117
123.333	133.114
123.500	133.111
123.667	133.109
123.833	133.106
124.000	133.104
124.167	133.101
124.333	133.099
124.500	133.096
124.667	133.094
124.833	133.091
125.000	133.089
125.167	133.086
125.333	133.084
125.500	133.081
125.667	133.079
125.833	133.076
126.000	133.074
126.167	133.071
126.333	133.069
126.500	133.066
126.667	133.064
126.833	133.061
127.000	133.059
127.167	133.057
127.333	133.054
127.500	133.052
127.667	133.049
127.833	133.047
128.000	133.045
128.167	133.042
128.333	133.040
128.500	133.038
128.667	133.035
128.833	133.033
129.000	133.031
129.167	133.028
129.333	133.026
129.500	133.024
129.667	133.021
129.833	133.019
130.000	133.017
130.167	133.014
130.333	133.012

130.500	133.010
130.667	133.008
130.833	133.006
131.000	133.003
131.167	133.001
131.333	132.999
131.500	132.996
131.667	132.994
131.833	132.992
132.000	132.990
132.167	132.988
132.333	132.986
132.500	132.983
132.667	132.981
132.833	132.979
133.000	132.977
133.167	132.975
133.333	132.973
133.500	132.970
133.667	132.968
133.833	132.966
134.000	132.964
134.167	132.962
134.333	132.960
134.500	132.958
134.667	132.956
134.833	132.954
135.000	132.952
135.167	132.950
135.333	132.948
135.500	132.946
135.667	132.944
135.833	132.942
136.000	132.940
136.167	132.938
136.333	132.936
136.500	132.934
136.667	132.932
136.833	132.930
137.000	132.928
137.167	132.926
137.333	132.924
137.500	132.922
137.667	132.920
137.833	132.918
138.000	132.916
138.167	132.914
138.333	132.913
138.500	132.911
138.667	132.909
138.833	132.907
139.000	132.905
139.167	132.903
139.333	132.901
139.500	132.900
139.667	132.898
139.833	132.896
140.000	132.894
140.167	132.892
140.333	132.891
140.500	132.889
140.667	132.887
140.833	132.886
141.000	132.884
141.167	132.883
141.333	132.882
141.500	132.880
141.667	132.879
141.833	132.877
142.000	132.875
142.167	132.874
142.333	132.872
142.500	132.870
142.667	132.869

142.667	132.867
142.833	132.866
143.000	132.864
143.167	132.863
143.333	132.861
143.500	132.859
143.667	132.858
143.833	132.856
144.000	132.855
144.167	132.854
144.333	132.852
144.500	132.851
144.667	132.849
144.833	132.848
145.000	132.847
145.167	132.845
145.333	132.844
145.500	132.843
145.667	132.841
145.833	132.840
146.000	132.839
146.167	132.838
146.333	132.836
146.500	132.835
146.667	132.834
146.833	132.833
147.000	132.832
147.167	132.831
147.333	132.830
147.500	132.828
147.667	132.827
147.833	132.826
148.000	132.825
148.167	132.824
148.333	132.823
148.500	132.822
148.667	132.821
148.833	132.820
149.000	132.819
149.167	132.818
149.333	132.816
149.500	132.817
149.667	132.816
149.833	132.815
150.000	132.814
150.167	132.813
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150.500	132.811
150.667	132.810
150.833	132.810
151.000	132.809
151.167	132.809
151.333	132.807
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151.667	132.806
151.833	132.805
152.000	132.804
152.167	132.803
152.333	132.803
152.500	132.802
152.667	132.801
152.833	132.800
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153.167	132.799
153.333	132.798
153.500	132.798
153.667	132.797
153.833	132.796
154.000	132.796
154.167	132.795
154.333	132.794
154.500	132.794
154.667	132.793

154.833	132.792
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155.167	132.791
155.333	132.791
155.500	132.789
155.667	132.789
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158.833	132.779
159.000	132.779
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159.333	132.778
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160.167	132.776
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160.833	132.774
161.000	132.774
161.167	132.773
161.333	132.773
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161.667	132.772
161.833	132.772
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162.167	132.771
162.333	132.770
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162.667	132.769
162.833	132.769
163.000	132.768
163.167	132.768
163.333	132.768
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164.167	132.766
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165.667	132.763
165.833	132.763
166.000	132.763
166.167	132.762
166.333	132.762
166.500	132.762
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166.833	132.761

167.000	132.761
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167.333	132.760
167.500	132.760
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167.833	132.759
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169.167	132.757
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170.667	132.754
170.833	132.754
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176.167	132.747
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176.833	132.746
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178.167	132.744
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179.667	132.743
180.000	132.742
180.167	132.742
180.333	132.742
180.500	132.742
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182.167	132.740
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182.667	132.739
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184.333	132.738
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185.167	132.737
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185.500	132.737
185.667	132.736
185.833	132.736
186.000	132.736
186.167	132.736
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188.833	132.734
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190.000	132.733
190.167	132.733
190.333	132.732
190.500	132.732
190.667	132.732
190.833	132.732
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191.333	132.732
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191.667	132.731
191.833	132.731
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192.167	132.731
192.333	132.731
192.500	132.731
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194.833	132.729
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196.167	132.728
196.333	132.728
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196.833	132.728
197.000	132.728
197.167	132.727
197.333	132.727
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198.167	132.727
198.333	132.727
198.500	132.726
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198.833	132.726
199.000	132.726
199.167	132.726
199.333	132.726
199.500	132.726
199.667	132.726
199.833	132.726
200.000	132.726

Name: 233yr24hr		
Time (hrs)	Stage (ft)	Node: NH800
0.000	132.300	
0.167	132.299	
0.333	132.298	
0.500	132.297	
0.667	132.296	
0.833	132.295	
1.000	132.294	
1.167	132.294	
1.333	132.293	
1.500	132.292	
1.667	132.292	
1.833	132.291	
2.000	132.290	
2.167	132.289	

2.333	132.289
2.500	132.288
2.667	132.288
2.833	132.287
3.000	132.287
3.167	132.287
3.333	132.287
3.500	132.287
3.667	132.287
3.833	132.287
4.000	132.288
4.167	132.288
4.333	132.288
4.500	132.288
4.667	132.289
4.833	132.289
5.000	132.290
5.167	132.291
5.333	132.291
5.500	132.292
5.667	132.293
5.833	132.293
6.000	132.293
6.167	132.294
6.333	132.295
6.500	132.296
6.667	132.296
6.833	132.297
7.000	132.298
7.167	132.299
7.333	132.300
7.500	132.301
7.667	132.302
7.833	132.303
8.000	132.305
8.167	132.306
8.333	132.307
8.500	132.308
8.667	132.310
8.833	132.311
9.000	132.312
9.167	132.314
9.333	132.316
9.500	132.318
9.667	132.319
9.833	132.321
10.000	132.323
10.167	132.325
10.333	132.328
10.500	132.328
10.667	132.330
10.833	132.332
11.000	132.333
11.167	132.334
11.333	132.341
11.500	132.344
11.667	132.347
11.833	132.352
12.000	132.357
12.167	132.365
12.333	132.377
12.500	132.393
12.667	132.411
12.833	132.431
13.000	132.448
13.167	132.466
13.334	132.481
13.500	132.495
13.667	132.507
13.834	132.518
14.000	132.527
14.167	132.536
14.333	132.544
	132.551

Deberry Engineers, Inc.  
 01/23/2023

14.500	132.558
14.667	132.564
14.834	132.570
15.000	132.575
15.167	132.582
15.333	132.585
15.500	132.589
15.667	132.593
15.833	132.597
16.000	132.600
16.167	132.604
16.334	132.607
16.500	132.609
16.667	132.612
16.833	132.615
17.000	132.619
17.167	132.621
17.334	132.621
17.500	132.623
17.667	132.625
17.833	132.626
18.000	132.628
18.167	132.630
18.333	132.631
18.500	132.633
18.667	132.634
18.833	132.636
19.000	132.638
19.167	132.639
19.333	132.641
19.500	132.642
19.667	132.644
19.833	132.645
20.000	132.647
20.167	132.648
20.333	132.650
20.500	132.651
20.667	132.652
20.833	132.654
21.000	132.655
21.167	132.656
21.333	132.658
21.500	132.659
21.667	132.660
21.833	132.661
22.000	132.662
22.167	132.664
22.333	132.665
22.500	132.666
22.667	132.667
22.833	132.668
23.000	132.669
23.167	132.672
23.333	132.672
23.500	132.673
23.667	132.674
23.833	132.675
24.000	132.676
24.167	132.677
24.333	132.678
24.500	132.678
24.667	132.679
24.833	132.680
25.000	132.681
25.167	132.681
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25.500	132.682
25.667	132.682
25.833	132.682
26.000	132.683
26.167	132.683
26.333	132.683
26.500	132.683

Deberry Engineers, Inc.  
 01/23/2023

26.667	132.683
26.833	132.684
27.000	132.684
27.167	132.684
27.333	132.684
27.500	132.684
27.667	132.685
27.833	132.685
28.000	132.685
28.167	132.685
28.333	132.685
28.500	132.685
28.667	132.685
28.833	132.685
29.000	132.685
29.167	132.686
29.333	132.686
29.500	132.686
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29.833	132.686
30.000	132.686
30.167	132.686
30.333	132.686
30.500	132.686
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30.833	132.686
31.000	132.687
31.167	132.687
31.333	132.687
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31.667	132.687
31.833	132.687
32.000	132.687
32.167	132.687
32.333	132.687
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32.667	132.687
32.833	132.687
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33.167	132.688
33.333	132.688
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33.667	132.688
33.833	132.688
34.000	132.688
34.167	132.688
34.333	132.688
34.500	132.688
34.667	132.688
34.833	132.688
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35.167	132.688
35.333	132.688
35.500	132.688
35.667	132.688
35.833	132.689
36.000	132.689
36.167	132.689
36.333	132.689
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36.833	132.689
37.000	132.689
37.167	132.689
37.333	132.689
37.500	132.689
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38.000	132.689
38.167	132.689
38.333	132.689
38.500	132.689
38.667	132.689
38.833	132.689

Deberry Engineers, Inc.  
 01/23/2023

38.833	132.689
39.000	132.689
39.167	132.689
39.333	132.690
39.500	132.690
39.667	132.690
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40.500	132.690
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42.167	132.690
42.333	132.690
42.500	132.690
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42.833	132.690
43.000	132.690
43.167	132.690
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44.000	132.690
44.167	132.690
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46.833	132.691
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47.333	132.691
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47.833	132.691
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50.000	132.691
50.167	132.691
50.333	132.691
50.500	132.691
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50.833	132.691

Deberry Engineers, Inc.  
 01/23/2023

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51.167	132.691
51.333	132.691
51.500	132.691
51.667	132.691
51.833	132.691
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52.167	132.691
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52.833	132.691
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56.833	132.691
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61.833	132.691
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66.833	132.690
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74.833	132.688
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86.500	132.684
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86.833	132.684
87.000	132.684
87.167	132.684
87.333	132.684

Deberry Engineers, Inc.  
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87.500	132.683
87.667	132.683
87.833	132.683
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88.167	132.683
88.333	132.683
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Deberry Engineers, Inc.  
 01/23/2023



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Deberry Engineers, Inc.  
 01/23/2023

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Deberry Engineers, Inc.  
 01/23/2023

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196.833	132.615

197.000	132.615
197.167	132.615
197.333	132.615
197.500	132.615
197.667	132.615
197.833	132.615
198.000	132.615
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198.333	132.615
198.500	132.615
198.667	132.615
198.833	132.615
199.000	132.615
199.167	132.615
199.333	132.615
199.500	132.615
199.667	132.615
199.833	132.615
200.000	132.615

Name: 233yr24hr Node: NO14000 Type: Stage

Time (hrs)	Stage (ft)
0.000	132.410
0.167	132.410
0.333	132.410
0.500	132.410
0.667	132.410
0.833	132.410
1.000	132.410
1.167	132.410
1.333	132.410
1.500	132.410
1.667	132.410
1.833	132.410
2.000	132.410
2.167	132.411
2.333	132.411
2.500	132.411
2.667	132.412
2.833	132.413
3.000	132.413
3.167	132.414
3.333	132.415
3.500	132.416
3.667	132.417
3.833	132.418
4.000	132.418
4.167	132.420
4.333	132.421
4.500	132.422
4.667	132.423
4.833	132.425
5.000	132.426
5.167	132.427
5.333	132.428
5.500	132.430
5.667	132.431
5.833	132.432
6.000	132.433
6.167	132.433
6.333	132.435
6.500	132.436
6.667	132.439
6.833	132.441
7.000	132.442
7.167	132.444
7.333	132.446
7.500	132.447
7.667	132.449
7.833	132.451

8.000	132.452
8.167	132.454
8.333	132.456
8.500	132.458
8.667	132.462
8.833	132.464
9.000	132.466
9.167	132.468
9.333	132.468
9.500	132.471
9.667	132.473
9.833	132.476
10.000	132.478
10.167	132.481
10.333	132.484
10.500	132.487
10.667	132.490
10.833	132.494
11.000	132.498
11.167	132.502
11.333	132.506
11.500	132.511
11.667	132.517
11.834	132.526
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12.167	132.562
12.333	132.588
12.500	132.614
12.667	132.633
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14.834	132.774
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15.167	132.781
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15.667	132.789
15.833	132.791
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16.167	132.795
16.334	132.797
16.500	132.798
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17.167	132.804
17.334	132.805
17.500	132.806
17.667	132.807
17.833	132.808
18.000	132.809
18.167	132.810
18.333	132.811
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18.667	132.813
18.833	132.814
19.000	132.814
19.167	132.815
19.333	132.815
19.500	132.816
19.667	132.816
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20.000	132.817

20.167	132.818
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20.667	132.819
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21.167	132.819
21.333	132.819
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32.000	132.789
32.167	132.788

Deberry Engineers, Inc.  
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32.333	132.788
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32.833	132.786
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44.333	132.759

Deberry Engineers, Inc.  
 01/23/2023

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Deberry Engineers, Inc.  
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Deberry Engineers, Inc.  
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189.167	132.691
189.333	132.691
189.500	132.691
189.667	132.691
189.833	132.691
190.000	132.691
190.167	132.691
190.333	132.691

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190.500	132.691
190.667	132.691
190.833	132.691
191.000	132.691
191.167	132.691
191.333	132.691
191.500	132.691
191.667	132.691
191.833	132.691
192.000	132.691
192.167	132.691
192.333	132.691
192.500	132.691
192.667	132.691
192.833	132.691
193.000	132.691
193.167	132.691
193.333	132.691
193.500	132.691
193.667	132.691
193.833	132.691
194.000	132.691
194.167	132.691
194.333	132.691
194.500	132.691
194.667	132.691
194.833	132.690
195.000	132.690
195.167	132.690
195.333	132.690
195.500	132.690
195.667	132.690
195.833	132.690
196.000	132.690
196.167	132.690
196.333	132.690
196.500	132.690
196.667	132.690
196.833	132.690
197.000	132.690
197.167	132.690
197.333	132.690
197.500	132.690
197.667	132.690
197.833	132.690
198.000	132.690
198.167	132.690
198.333	132.690
198.500	132.690
198.667	132.690
198.833	132.690
199.000	132.690
199.167	132.690
199.333	132.690
199.500	132.690
199.667	132.690
199.833	132.690
200.000	132.690

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
BNDRYW	BASE	100YR24HR	12.90	17.63	0.079	12.90	133.02	0.00	131.00
BNDRYW	BASE	100YR5DAY	61.12	13.33	0.016	61.12	132.98	0.00	131.00
BNDRYW	BASE	10YR24HR	13.33	9.43	0.035	13.33	132.95	0.00	131.00
BNDRYW	BASE	233YR24HR	14.43	3.27	0.006	14.43	132.86	0.00	131.00
BNDRYW	BASE	25YR24HR	13.11	12.63	0.066	13.11	132.98	0.00	131.00
BNDRYW	BASE	500YR5DAY	61.05	15.51	0.019	61.05	133.00	0.00	131.00
BNDRYW	BASE	50YR24HR	12.98	15.88	0.089	12.98	133.00	0.00	131.00
OCS-5	BASE	100YR24HR	13.43	27.48	0.086	13.85	133.75	22.62	133.23
OCS-5	BASE	100YR5DAY	62.49	23.17	-1.531	62.72	134.27	66.14	133.64
OCS-5	BASE	10YR24HR	13.81	13.79	0.054	13.81	132.94	16.37	131.89
OCS-5	BASE	233YR24HR	14.38	5.65	0.054	14.38	132.56	13.87	131.52
OCS-5	BASE	25YR24HR	13.60	18.84	0.054	13.72	133.17	21.67	132.27
OCS-5	BASE	500YR5DAY	62.30	29.49	-2.203	62.62	134.86	66.68	133.94
OCS-5	BASE	50YR24HR	13.50	24.33	0.067	13.77	133.50	22.83	133.12
OCS-6	BASE	100YR24HR	13.52	26.49	0.068	13.75	133.31	66.47	132.64
OCS-6	BASE	100YR5DAY	61.83	21.60	0.068	62.37	133.36	120.19	133.12
OCS-6	BASE	10YR24HR	13.37	17.85	0.068	13.46	132.75	25.06	132.21
OCS-6	BASE	233YR24HR	13.46	11.10	0.068	13.47	132.52	24.71	132.02
OCS-6	BASE	25YR24HR	13.41	21.17	0.068	13.53	132.91	25.51	132.34
OCS-6	BASE	500YR5DAY	62.01	25.05	0.068	62.48	133.78	119.87	133.58
OCS-6	BASE	50YR24HR	13.47	24.60	0.068	13.65	133.14	52.89	132.50
OCS-7	BASE	100YR24HR	13.43	27.97	0.066	13.59	133.40	66.47	132.64
OCS-7	BASE	100YR5DAY	61.72	22.22	0.066	62.15	133.39	120.19	133.12
OCS-7	BASE	10YR24HR	13.27	18.91	0.066	13.33	132.85	25.06	132.21
OCS-7	BASE	233YR24HR	13.32	12.00	0.066	13.32	132.64	24.71	132.02
OCS-7	BASE	25YR24HR	13.31	22.31	0.066	13.40	133.00	25.51	132.34
OCS-7	BASE	500YR5DAY	61.88	25.83	0.066	62.28	133.81	119.87	133.58
OCS-7	BASE	50YR24HR	13.38	25.95	0.066	13.50	133.23	52.89	132.50
OCS-8	BASE	100YR24HR	14.31	25.74	0.079	14.36	134.31	18.00	132.02
OCS-8	BASE	100YR5DAY	62.42	26.41	0.079	62.48	134.35	120.22	133.12
OCS-8	BASE	10YR24HR	14.75	12.74	0.079	14.75	133.57	17.36	131.65
OCS-8	BASE	233YR24HR	15.36	6.25	0.079	15.36	133.13	13.91	131.47
OCS-8	BASE	25YR24HR	14.55	16.96	0.079	14.56	133.82	17.64	131.77
OCS-8	BASE	500YR5DAY	62.00	33.80	0.079	62.24	134.57	119.89	133.58
OCS-8	BASE	50YR24HR	14.38	22.35	0.079	14.40	134.12	17.80	131.92
RH8200A	BASE	100YR24HR	28.33	66.52	35.630	28.33	133.24	33.24	133.14
RH8200A	BASE	100YR5DAY	98.33	112.89	35.630	96.50	133.70	96.64	133.47
RH8200A	BASE	10YR24HR	16.83	43.85	35.630	32.50	132.88	36.07	132.84
RH8200A	BASE	233YR24HR	16.33	40.29	35.630	44.83	132.69	48.00	132.65
RH8200A	BASE	25YR24HR	28.00	49.27	35.630	31.83	133.00	35.36	132.94
RH8200A	BASE	500YR5DAY	90.50	139.78	35.630	96.67	133.98	108.98	133.67
RH8200A	BASE	50YR24HR	27.67	59.01	35.630	30.83	133.14	35.70	133.07
RH8200B	BASE	100YR24HR	0.00	0.00	0.000	33.24	133.14	28.33	133.24

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RH8200B	BASE	100YR5DAY	0.00	0.00	0.000	96.64	133.47	96.50	133.70
RH8200B	BASE	10YR24HR	0.00	0.00	0.000	36.07	132.84	32.50	132.88
RH8200B	BASE	233YR24HR	0.00	0.00	0.000	48.00	132.65	44.83	132.69
RH8200B	BASE	25YR24HR	0.00	0.00	0.000	35.36	132.94	31.83	133.00
RH8200B	BASE	500YR5DAY	0.00	0.00	0.000	108.98	133.67	96.67	133.98
RH8200B	BASE	50YR24HR	0.00	0.00	0.000	35.70	133.07	30.83	133.14
RH8200C	BASE	100YR24HR	28.33	66.52	35.630	28.33	133.24	33.24	133.14
RH8200C	BASE	100YR5DAY	98.33	112.89	35.630	96.50	133.70	96.64	133.47
RH8200C	BASE	10YR24HR	16.83	43.85	35.630	32.50	132.88	36.07	132.84
RH8200C	BASE	233YR24HR	16.33	40.29	35.630	44.83	132.69	48.00	132.65
RH8200C	BASE	25YR24HR	28.00	49.27	35.630	31.83	133.00	35.36	132.94
RH8200C	BASE	500YR5DAY	90.50	139.78	35.630	96.67	133.98	108.98	133.67
RH8200C	BASE	50YR24HR	27.67	59.01	35.630	30.83	133.14	35.70	133.07
RH8200D	BASE	100YR24HR	28.33	66.52	35.630	28.33	133.24	33.24	133.14
RH8200D	BASE	100YR5DAY	98.33	112.89	35.630	96.50	133.70	96.64	133.47
RH8200D	BASE	10YR24HR	16.83	43.85	35.630	32.50	132.88	36.07	132.84
RH8200D	BASE	233YR24HR	16.33	40.29	35.630	44.83	132.69	48.00	132.65
RH8200D	BASE	25YR24HR	28.00	49.27	35.630	31.83	133.00	35.36	132.94
RH8200D	BASE	500YR5DAY	90.50	139.78	35.630	96.67	133.98	108.98	133.67
RH8200D	BASE	50YR24HR	27.67	59.01	35.630	30.83	133.14	35.70	133.07
RHH8102	BASE	100YR24HR	42.84	0.91	1.790	33.24	133.14	33.24	133.14
RHH8102	BASE	100YR5DAY	96.55	2.17	-4.024	96.63	133.47	96.64	133.47
RHH8102	BASE	10YR24HR	37.72	0.28	-0.560	36.08	132.84	36.07	132.84
RHH8102	BASE	233YR24HR	61.43	0.12	0.239	48.02	132.65	48.00	132.65
RHH8102	BASE	25YR24HR	38.30	0.45	-0.887	35.36	132.94	35.36	132.94
RHH8102	BASE	500YR5DAY	64.63	3.50	-5.545	108.99	133.67	108.98	133.67
RHH8102	BASE	50YR24HR	40.88	0.71	-1.403	35.71	133.07	35.70	133.07
RHH81052A	BASE	100YR24HR	12.28	0.39	-0.007	12.29	133.43	33.24	133.14
RHH81052A	BASE	100YR5DAY	60.17	0.19	-0.008	96.64	133.47	96.64	133.47
RHH81052A	BASE	10YR24HR	12.31	0.24	0.001	12.33	133.36	36.07	132.84
RHH81052A	BASE	233YR24HR	12.33	0.16	0.001	12.35	133.31	48.00	132.65
RHH81052A	BASE	25YR24HR	12.30	0.29	-0.001	12.31	133.38	35.36	132.94
RHH81052A	BASE	500YR5DAY	60.16	0.23	0.034	108.98	133.67	108.98	133.67
RHH81052A	BASE	50YR24HR	12.29	0.35	-0.002	12.30	133.41	35.70	133.07
RHH81052B	BASE	100YR24HR	0.00	0.00	0.000	12.29	133.43	33.24	133.14
RHH81052B	BASE	100YR5DAY	0.00	0.00	0.000	96.64	133.47	96.64	133.47
RHH81052B	BASE	10YR24HR	0.00	0.00	0.000	12.33	133.36	36.07	132.84
RHH81052B	BASE	233YR24HR	0.00	0.00	0.000	12.35	133.31	48.00	132.65
RHH81052B	BASE	25YR24HR	0.00	0.00	0.000	12.31	133.38	35.36	132.94
RHH81052B	BASE	500YR5DAY	0.00	0.00	0.000	108.98	133.67	108.98	133.67
RHH81052B	BASE	50YR24HR	0.00	0.00	0.000	12.30	133.41	35.70	133.07
RHH81052C	BASE	100YR24HR	12.28	0.39	-0.007	12.29	133.43	33.24	133.14
RHH81052C	BASE	100YR5DAY	60.17	0.19	-0.008	96.64	133.47	96.64	133.47

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81052C	BASE	10YR24HR	12.31	0.24	0.001	12.33	133.36	36.07	132.84
RHH81052C	BASE	233YR24HR	12.33	0.16	0.001	12.35	133.31	48.00	132.65
RHH81052C	BASE	25YR24HR	12.30	0.29	-0.001	12.31	133.38	35.36	132.94
RHH81052C	BASE	500YR5DAY	60.16	0.23	0.034	108.98	133.67	108.98	133.67
RHH81052C	BASE	50YR24HR	12.29	0.35	-0.002	12.30	133.41	35.70	133.07
RHH81052D	BASE	100YR24HR	0.00	0.00	0.000	12.29	133.43	12.91	133.65
RHH81052D	BASE	100YR5DAY	0.00	0.00	0.000	96.64	133.47	61.18	133.44
RHH81052D	BASE	10YR24HR	0.00	0.00	0.000	12.33	133.36	12.80	133.20
RHH81052D	BASE	233YR24HR	0.00	0.00	0.000	12.35	133.31	12.37	133.00
RHH81052D	BASE	25YR24HR	0.00	0.00	0.000	12.31	133.38	12.60	133.35
RHH81052D	BASE	500YR5DAY	0.00	0.00	0.000	108.98	133.67	61.23	133.60
RHH81052D	BASE	50YR24HR	0.00	0.00	0.000	12.30	133.41	13.06	133.55
RHH81053A	BASE	100YR24HR	12.20	3.49	-0.074	12.36	135.67	1.32	135.72
RHH81053A	BASE	100YR5DAY	60.17	1.80	-0.114	60.23	135.48	2.83	135.72
RHH81053A	BASE	10YR24HR	12.19	2.18	0.083	12.42	135.51	1.87	135.72
RHH81053A	BASE	233YR24HR	12.25	1.49	0.083	12.52	135.42	2.54	135.72
RHH81053A	BASE	25YR24HR	12.20	2.60	-0.063	12.39	135.56	1.64	135.72
RHH81053A	BASE	500YR5DAY	60.17	2.16	-0.121	60.21	135.53	2.42	135.72
RHH81053A	BASE	50YR24HR	12.20	3.13	0.074	12.36	135.62	1.43	135.72
RHH81053B	BASE	100YR24HR	0.00	0.00	0.000	12.36	135.67	12.48	135.57
RHH81053B	BASE	100YR5DAY	0.00	0.00	0.000	60.23	135.48	60.33	135.45
RHH81053B	BASE	10YR24HR	0.00	0.00	0.000	12.42	135.51	12.51	135.47
RHH81053B	BASE	233YR24HR	0.00	0.00	0.000	12.52	135.42	12.58	135.40
RHH81053B	BASE	25YR24HR	0.00	0.00	0.000	12.39	135.56	12.50	135.50
RHH81053B	BASE	500YR5DAY	0.00	0.00	0.000	60.21	135.53	60.31	135.48
RHH81053B	BASE	50YR24HR	0.00	0.00	0.000	12.36	135.62	12.49	135.54
RHH81053C	BASE	100YR24HR	0.00	0.00	0.000	12.36	135.67	12.48	135.57
RHH81053C	BASE	100YR5DAY	0.00	0.00	0.000	60.23	135.48	60.33	135.45
RHH81053C	BASE	10YR24HR	0.00	0.00	0.000	12.42	135.51	12.51	135.47
RHH81053C	BASE	233YR24HR	0.00	0.00	0.000	12.52	135.42	12.58	135.40
RHH81053C	BASE	25YR24HR	0.00	0.00	0.000	12.39	135.56	12.50	135.50
RHH81053C	BASE	500YR5DAY	0.00	0.00	0.000	60.21	135.53	60.31	135.48
RHH81053C	BASE	50YR24HR	0.00	0.00	0.000	12.36	135.62	12.49	135.54
RHH81053D	BASE	100YR24HR	0.00	0.00	0.000	12.36	135.67	12.61	135.97
RHH81053D	BASE	100YR5DAY	0.00	0.00	0.000	60.23	135.48	60.45	135.67
RHH81053D	BASE	10YR24HR	0.00	0.00	0.000	12.42	135.51	12.61	135.69
RHH81053D	BASE	233YR24HR	0.00	0.00	0.000	12.52	135.42	12.62	135.52
RHH81053D	BASE	25YR24HR	0.00	0.00	0.000	12.39	135.56	12.61	135.78
RHH81053D	BASE	500YR5DAY	0.00	0.00	0.000	60.21	135.53	60.45	135.76
RHH81053D	BASE	50YR24HR	0.00	0.00	0.000	12.36	135.62	12.61	135.90
RHH81054A	BASE	100YR24HR	12.60	4.11	0.013	12.61	135.97	12.60	134.82
RHH81054A	BASE	100YR5DAY	60.43	2.46	0.004	60.45	135.67	60.43	134.68
RHH81054A	BASE	10YR24HR	12.61	2.58	0.006	12.61	135.69	12.61	134.69

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81054A	BASE	233YR24HR	12.61	1.75	0.004	12.62	135.52	12.61	134.61
RHH81054A	BASE	25YR24HR	12.60	3.08	0.008	12.61	135.78	12.60	134.74
RHH81054A	BASE	500YR5DAY	60.44	2.95	0.005	60.45	135.76	60.44	134.73
RHH81054A	BASE	50YR24HR	12.60	3.69	0.011	12.61	135.90	12.60	134.79
RHH81054B	BASE	100YR24HR	0.00	0.00	0.000	12.61	135.97	33.24	133.14
RHH81054B	BASE	100YR5DAY	0.00	0.00	0.000	60.45	135.67	96.64	133.47
RHH81054B	BASE	10YR24HR	0.00	0.00	0.000	12.61	135.69	36.07	132.84
RHH81054B	BASE	233YR24HR	0.00	0.00	0.000	12.62	135.52	48.00	132.65
RHH81054B	BASE	25YR24HR	0.00	0.00	0.000	12.61	135.78	35.36	132.94
RHH81054B	BASE	500YR5DAY	0.00	0.00	0.000	60.45	135.76	108.98	133.67
RHH81054B	BASE	50YR24HR	0.00	0.00	0.000	12.61	135.90	35.70	133.07
RHH81054C	BASE	100YR24HR	0.00	0.00	0.000	12.61	135.97	12.29	133.43
RHH81054C	BASE	100YR5DAY	0.00	0.00	0.000	60.45	135.67	96.64	133.47
RHH81054C	BASE	10YR24HR	0.00	0.00	0.000	12.61	135.69	12.33	133.36
RHH81054C	BASE	233YR24HR	0.00	0.00	0.000	12.62	135.52	12.35	133.31
RHH81054C	BASE	25YR24HR	0.00	0.00	0.000	12.61	135.78	12.31	133.38
RHH81054C	BASE	500YR5DAY	0.00	0.00	0.000	60.45	135.76	108.98	133.67
RHH81054C	BASE	50YR24HR	0.00	0.00	0.000	12.61	135.90	12.30	133.41
RHH8116	BASE	100YR24HR	33.24	96.64	0.038	33.24	133.14	66.43	132.64
RHH8116	BASE	100YR5DAY	96.64	268.63	0.124	96.64	133.47	120.19	133.13
RHH8116	BASE	10YR24HR	36.07	16.60	0.002	36.07	132.84	25.08	132.22
RHH8116	BASE	233YR24HR	48.00	2.12	0.000	48.00	132.65	24.72	132.03
RHH8116	BASE	25YR24HR	35.36	37.13	0.005	35.36	132.94	25.54	132.34
RHH8116	BASE	500YR5DAY	94.31	375.53	0.212	108.98	133.67	119.86	133.58
RHH8116	BASE	50YR24HR	35.70	70.66	0.021	35.70	133.07	52.85	132.51
RHH81161A	BASE	100YR24HR	0.00	0.00	0.000	30.17	136.60	66.43	132.64
RHH81161A	BASE	100YR5DAY	65.04	0.86	0.003	65.04	136.85	120.19	133.13
RHH81161A	BASE	10YR24HR	0.00	0.00	0.000	30.17	136.16	25.08	132.22
RHH81161A	BASE	233YR24HR	0.00	0.00	0.000	30.17	135.93	24.72	132.03
RHH81161A	BASE	25YR24HR	0.00	0.00	0.000	30.17	136.34	25.54	132.34
RHH81161A	BASE	500YR5DAY	63.54	2.94	0.018	63.54	136.90	119.86	133.58
RHH81161A	BASE	50YR24HR	0.00	0.00	0.000	30.17	136.49	52.85	132.51
RHH81161B	BASE	100YR24HR	0.00	0.00	0.000	66.43	132.64	0.00	131.00
RHH81161B	BASE	100YR5DAY	0.00	0.00	0.000	120.19	133.13	0.00	131.00
RHH81161B	BASE	10YR24HR	0.00	0.00	0.000	25.08	132.22	0.00	131.00
RHH81161B	BASE	233YR24HR	0.00	0.00	0.000	24.72	132.03	0.00	131.00
RHH81161B	BASE	25YR24HR	0.00	0.00	0.000	25.54	132.34	0.00	131.00
RHH81161B	BASE	500YR5DAY	0.00	0.00	0.000	119.86	133.58	0.00	131.00
RHH81161B	BASE	50YR24HR	0.00	0.00	0.000	52.85	132.51	0.00	131.00
RHH81161C	BASE	100YR24HR	0.00	0.00	0.000	15.14	132.38	66.43	132.64
RHH81161C	BASE	100YR5DAY	0.00	0.00	0.000	120.25	133.12	120.19	133.13
RHH81161C	BASE	10YR24HR	0.00	0.00	0.000	14.60	131.76	25.08	132.22
RHH81161C	BASE	233YR24HR	0.00	0.00	0.000	13.87	131.56	24.72	132.03

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max US Stage hrs	Max US Stage ft	Max DS Stage hrs	Max DS Stage ft
RHH81161C	BASE	25YR24HR	0.00	0.00	0.000	14.78	131.96	25.54	132.34
RHH81161C	BASE	500YR5DAY	0.00	0.00	0.001	119.87	133.58	119.86	133.58
RHH81161C	BASE	50YR24HR	0.00	0.00	0.000	14.98	132.22	52.85	132.51
RHH81161D_CD08	BASE	100YR24HR	66.43	15.07	9.120	66.43	132.64	0.00	131.00
RHH81161D_CD08	BASE	100YR5DAY	120.19	17.17	9.120	120.19	133.13	0.00	131.00
RHH81161D_CD08	BASE	10YR24HR	25.08	12.99	9.120	25.08	132.22	0.00	131.00
RHH81161D_CD08	BASE	233YR24HR	24.72	11.94	9.120	24.72	132.03	0.00	131.00
RHH81161D_CD08	BASE	25YR24HR	25.54	13.63	9.120	25.54	132.34	0.00	131.00
RHH81161D_CD08	BASE	500YR5DAY	119.86	18.92	9.120	119.86	133.58	0.00	131.00
RHH81161D_CD08	BASE	50YR24HR	52.85	14.44	9.120	52.85	132.51	0.00	131.00
RHH81161E_CD08	BASE	100YR24HR	66.43	15.07	9.120	66.43	132.64	0.00	131.00
RHH81161E_CD08	BASE	100YR5DAY	120.19	17.17	9.120	120.19	133.13	0.00	131.00
RHH81161E_CD08	BASE	10YR24HR	25.08	12.99	9.120	25.08	132.22	0.00	131.00
RHH81161E_CD08	BASE	233YR24HR	24.72	11.94	9.120	24.72	132.03	0.00	131.00
RHH81161E_CD08	BASE	25YR24HR	25.54	13.63	9.120	25.54	132.34	0.00	131.00
RHH81161E_CD08	BASE	500YR5DAY	119.86	18.92	9.120	119.86	133.58	0.00	131.00
RHH81161E_CD08	BASE	50YR24HR	52.85	14.44	9.120	52.85	132.51	0.00	131.00
RHH81161F_CD08	BASE	100YR24HR	66.43	15.07	9.120	66.43	132.64	0.00	131.00
RHH81161F_CD08	BASE	100YR5DAY	120.19	17.17	9.120	120.19	133.13	0.00	131.00
RHH81161F_CD08	BASE	10YR24HR	25.08	12.99	9.120	25.08	132.22	0.00	131.00
RHH81161F_CD08	BASE	233YR24HR	24.72	11.94	9.120	24.72	132.03	0.00	131.00
RHH81161F_CD08	BASE	25YR24HR	25.54	13.63	9.120	25.54	132.34	0.00	131.00
RHH81161F_CD08	BASE	500YR5DAY	119.86	18.92	9.120	119.86	133.58	0.00	131.00
RHH81161F_CD08	BASE	50YR24HR	52.85	14.44	9.120	52.85	132.51	0.00	131.00
RHH8116B	BASE	100YR24HR	0.00	42.43	42.429	33.24	133.14	66.43	132.64
RHH8116B	BASE	100YR5DAY	55.21	42.80	42.429	96.64	133.47	120.19	133.13
RHH8116B	BASE	10YR24HR	200.00	45.14	42.429	36.07	132.84	25.08	132.22
RHH8116B	BASE	233YR24HR	193.41	45.49	42.429	48.00	132.65	24.72	132.03
RHH8116B	BASE	25YR24HR	200.00	43.68	42.429	35.36	132.94	25.54	132.34
RHH8116B	BASE	500YR5DAY	53.54	42.90	42.429	108.98	133.67	119.86	133.58
RHH8116B	BASE	50YR24HR	0.00	42.43	42.429	35.70	133.07	52.85	132.51
RHH8116C	BASE	100YR24HR	0.00	31.30	31.296	33.24	133.14	66.43	132.64
RHH8116C	BASE	100YR5DAY	0.00	31.30	31.296	96.64	133.47	120.19	133.13
RHH8116C	BASE	10YR24HR	200.00	32.83	31.296	36.07	132.84	25.08	132.22
RHH8116C	BASE	233YR24HR	193.41	33.08	31.296	48.00	132.65	24.72	132.03
RHH8116C	BASE	25YR24HR	200.00	31.76	31.296	35.36	132.94	25.54	132.34
RHH8116C	BASE	500YR5DAY	0.00	31.30	31.296	108.98	133.67	119.86	133.58
RHH8116C	BASE	50YR24HR	0.00	31.30	31.296	35.70	133.07	52.85	132.51
RHH8116D	BASE	100YR24HR	0.00	2.98	2.978	33.24	133.14	66.43	132.64
RHH8116D	BASE	100YR5DAY	0.00	2.98	2.978	96.64	133.47	120.19	133.13
RHH8116D	BASE	10YR24HR	200.00	3.12	2.978	36.07	132.84	25.08	132.22
RHH8116D	BASE	233YR24HR	193.41	3.15	2.978	48.00	132.65	24.72	132.03
RHH8116D	BASE	25YR24HR	200.00	3.02	2.978	35.36	132.94	25.54	132.34

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8116D	BASE	500YR5DAY	0.00	2.98	2.978	108.98	133.67	119.86	133.58
RHH8116D	BASE	50YR24HR	0.00	2.98	2.978	35.70	133.07	52.85	132.51
RHH8116E	BASE	100YR24HR	0.00	13.40	13.395	33.24	133.14	66.43	132.64
RHH8116E	BASE	100YR5DAY	0.00	13.40	13.395	96.64	133.47	120.19	133.13
RHH8116E	BASE	10YR24HR	200.00	14.05	13.395	36.07	132.84	25.08	132.22
RHH8116E	BASE	233YR24HR	193.41	14.16	13.395	48.00	132.65	24.72	132.03
RHH8116E	BASE	25YR24HR	200.00	13.59	13.395	35.36	132.94	25.54	132.34
RHH8116E	BASE	500YR5DAY	0.00	13.40	13.395	108.98	133.67	119.86	133.58
RHH8116E	BASE	50YR24HR	0.00	13.40	13.395	35.70	133.07	52.85	132.51
RHH8116F	BASE	100YR24HR	0.00	20.86	20.863	33.24	133.14	66.43	132.64
RHH8116F	BASE	100YR5DAY	0.00	20.86	20.863	96.64	133.47	120.19	133.13
RHH8116F	BASE	10YR24HR	200.00	21.88	20.863	36.07	132.84	25.08	132.22
RHH8116F	BASE	233YR24HR	193.41	22.05	20.863	48.00	132.65	24.72	132.03
RHH8116F	BASE	25YR24HR	200.00	21.17	20.863	35.36	132.94	25.54	132.34
RHH8116F	BASE	500YR5DAY	0.00	20.86	20.863	108.98	133.67	119.86	133.58
RHH8116F	BASE	50YR24HR	0.00	20.86	20.863	35.70	133.07	52.85	132.51
RHH8117	BASE	100YR24HR	12.64	38.11	-88.727	66.47	132.64	66.43	132.64
RHH8117	BASE	100YR5DAY	60.36	-9.26	-88.727	120.19	133.12	120.19	133.13
RHH8117	BASE	10YR24HR	12.99	-40.06	-88.727	25.06	132.21	25.08	132.22
RHH8117	BASE	233YR24HR	13.20	-63.64	-88.727	24.71	132.02	24.72	132.03
RHH8117	BASE	25YR24HR	12.85	-13.82	-88.727	25.51	132.34	25.54	132.34
RHH8117	BASE	500YR5DAY	61.86	7.91	-88.727	119.87	133.58	119.86	133.58
RHH8117	BASE	50YR24HR	12.72	16.50	-88.727	52.89	132.50	52.85	132.51
RHH81171	BASE	100YR24HR	0.00	0.00	0.000	22.21	133.25	66.47	132.64
RHH81171	BASE	100YR5DAY	0.00	0.00	0.000	66.02	133.66	120.19	133.12
RHH81171	BASE	10YR24HR	0.00	0.00	0.000	15.18	132.94	25.06	132.21
RHH81171	BASE	233YR24HR	0.00	0.00	0.000	22.56	132.82	24.71	132.02
RHH81171	BASE	25YR24HR	0.00	0.00	0.000	14.72	133.02	25.51	132.34
RHH81171	BASE	500YR5DAY	0.00	0.00	0.000	66.67	133.96	119.87	133.58
RHH81171	BASE	50YR24HR	0.00	0.00	0.000	22.38	133.15	52.89	132.50
RHH81171A	BASE	100YR24HR	0.00	0.00	0.000	22.21	133.25	22.17	133.25
RHH81171A	BASE	100YR5DAY	0.00	0.00	0.000	66.02	133.66	66.00	133.66
RHH81171A	BASE	10YR24HR	0.00	0.00	0.000	15.18	132.94	15.83	132.93
RHH81171A	BASE	233YR24HR	0.00	0.00	0.000	22.56	132.82	22.50	132.82
RHH81171A	BASE	25YR24HR	0.00	0.00	0.000	14.72	133.02	15.00	133.00
RHH81171A	BASE	500YR5DAY	0.00	0.00	0.000	66.67	133.96	66.67	133.95
RHH81171A	BASE	50YR24HR	0.00	0.00	0.000	22.38	133.15	22.33	133.15
RHH81171B_CD10	BASE	100YR24HR	13.21	11.29	0.150	22.21	133.25	22.17	133.25
RHH81171B_CD10	BASE	100YR5DAY	61.56	8.53	-0.096	66.02	133.66	66.00	133.66
RHH81171B_CD10	BASE	10YR24HR	13.12	6.59	0.082	15.18	132.94	15.83	132.93
RHH81171B_CD10	BASE	233YR24HR	13.13	4.50	-0.077	22.56	132.82	22.50	132.82
RHH81171B_CD10	BASE	25YR24HR	13.11	7.84	0.095	14.72	133.02	15.00	133.00
RHH81171B_CD10	BASE	500YR5DAY	61.76	13.76	0.135	66.67	133.96	66.67	133.95

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81171B_CD10	BASE	50YR24HR	13.21	9.74	0.121	22.38	133.15	22.33	133.15
RHH81172	BASE	100YR24HR	0.00	0.00	0.000	12.53	133.15	12.50	133.40
RHH81172	BASE	100YR5DAY	0.00	0.00	0.000	60.38	132.77	60.35	133.12
RHH81172	BASE	10YR24HR	0.00	0.00	0.000	12.54	132.82	12.52	133.16
RHH81172	BASE	233YR24HR	0.00	0.00	0.000	12.55	132.62	12.54	133.02
RHH81172	BASE	25YR24HR	0.00	0.00	0.000	12.53	132.93	12.51	133.24
RHH81172	BASE	500YR5DAY	0.00	0.00	0.000	62.33	132.91	62.37	133.36
RHH81172	BASE	50YR24HR	0.00	0.00	0.000	12.53	133.06	12.50	133.33
RHH81172B	BASE	100YR24HR	0.00	0.00	0.000	12.53	133.15	0.00	131.00
RHH81172B	BASE	100YR5DAY	0.00	0.00	0.000	60.38	132.77	0.00	131.00
RHH81172B	BASE	10YR24HR	0.00	0.00	0.000	12.54	132.82	0.00	131.00
RHH81172B	BASE	233YR24HR	0.00	0.00	0.000	12.55	132.62	0.00	131.00
RHH81172B	BASE	25YR24HR	0.00	0.00	0.000	12.53	132.93	0.00	131.00
RHH81172B	BASE	500YR5DAY	0.00	0.00	0.000	62.33	132.91	0.00	131.00
RHH81172B	BASE	50YR24HR	0.00	0.00	0.000	12.53	133.06	0.00	131.00
RHH81172C_CD05	BASE	100YR24HR	12.53	7.04	0.026	12.53	133.15	1.03	133.40
RHH81172C_CD05	BASE	100YR5DAY	60.37	4.00	0.007	60.38	132.77	1.59	133.40
RHH81172C_CD05	BASE	10YR24HR	12.53	4.33	0.011	12.54	132.82	1.27	133.40
RHH81172C_CD05	BASE	233YR24HR	12.55	2.94	0.006	12.55	132.62	1.52	133.40
RHH81172C_CD05	BASE	25YR24HR	12.52	5.19	0.015	12.53	132.93	1.17	133.40
RHH81172C_CD05	BASE	500YR5DAY	62.32	5.09	0.009	62.33	132.91	1.45	133.40
RHH81172C_CD05	BASE	50YR24HR	12.52	6.25	0.020	12.53	133.06	1.07	133.40
RHH81172D	BASE	100YR24HR	0.00	0.00	-0.015	12.53	133.15	12.50	133.40
RHH81172D	BASE	100YR5DAY	0.00	0.00	-0.003	60.35	132.92	60.35	133.12
RHH81172D	BASE	10YR24HR	0.00	0.00	-0.006	12.52	132.94	12.52	133.16
RHH81172D	BASE	233YR24HR	0.00	0.00	-0.003	12.54	132.84	12.54	133.02
RHH81172D	BASE	25YR24HR	0.00	0.00	-0.008	12.51	133.00	12.51	133.24
RHH81172D	BASE	500YR5DAY	0.00	0.00	-0.004	62.37	133.08	62.37	133.36
RHH81172D	BASE	50YR24HR	0.00	0.00	-0.012	12.53	133.06	12.50	133.33
RHH81173	BASE	100YR24HR	0.00	0.00	0.000	12.50	133.40	66.47	132.64
RHH81173	BASE	100YR5DAY	0.00	0.00	0.000	60.35	133.12	120.19	133.12
RHH81173	BASE	10YR24HR	0.00	0.00	0.000	12.52	133.16	25.06	132.21
RHH81173	BASE	233YR24HR	0.00	0.00	0.000	12.54	133.02	24.71	132.02
RHH81173	BASE	25YR24HR	0.00	0.00	0.000	12.51	133.24	25.51	132.34
RHH81173	BASE	500YR5DAY	0.00	0.00	0.000	62.37	133.36	119.87	133.58
RHH81173	BASE	50YR24HR	0.00	0.00	0.000	12.50	133.33	52.89	132.50
RHH8117A	BASE	100YR24HR	0.00	0.00	0.000	66.47	132.64	0.00	131.00
RHH8117A	BASE	100YR5DAY	0.00	0.00	0.000	120.19	133.12	0.00	131.00
RHH8117A	BASE	10YR24HR	0.00	0.00	0.000	25.06	132.21	0.00	131.00
RHH8117A	BASE	233YR24HR	0.00	0.00	0.000	24.71	132.02	0.00	131.00
RHH8117A	BASE	25YR24HR	0.00	0.00	0.000	25.51	132.34	0.00	131.00
RHH8117A	BASE	500YR5DAY	0.00	0.00	0.000	119.87	133.58	0.00	131.00
RHH8117A	BASE	50YR24HR	0.00	0.00	0.000	52.89	132.50	0.00	131.00

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max US Stage hrs	Max US Stage ft	Max DS Stage hrs	Max DS Stage ft
RHH8117B_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117B_CD06	BASE	100YR5DAY	120.19	28.92	11.225	120.19	133.12	0.00	131.00
RHH8117B_CD06	BASE	10YR24HR	25.06	21.86	11.225	25.06	132.21	0.00	131.00
RHH8117B_CD06	BASE	233YR24HR	24.71	20.08	11.225	24.71	132.02	0.00	131.00
RHH8117B_CD06	BASE	25YR24HR	25.51	22.94	11.225	25.51	132.34	0.00	131.00
RHH8117B_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117B_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117C_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117C_CD07	BASE	100YR5DAY	120.19	8.57	3.325	120.19	133.12	0.00	131.00
RHH8117C_CD07	BASE	10YR24HR	25.06	6.48	3.325	25.06	132.21	0.00	131.00
RHH8117C_CD07	BASE	233YR24HR	24.71	5.95	3.325	24.71	132.02	0.00	131.00
RHH8117C_CD07	BASE	25YR24HR	25.51	6.80	3.325	25.51	132.34	0.00	131.00
RHH8117C_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117C_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8117D_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117D_CD07	BASE	100YR5DAY	120.19	8.57	3.325	120.19	133.12	0.00	131.00
RHH8117D_CD07	BASE	10YR24HR	25.06	6.48	3.325	25.06	132.21	0.00	131.00
RHH8117D_CD07	BASE	233YR24HR	24.71	5.95	3.325	24.71	132.02	0.00	131.00
RHH8117D_CD07	BASE	25YR24HR	25.51	6.80	3.325	25.51	132.34	0.00	131.00
RHH8117D_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117D_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8117E_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117E_CD06	BASE	100YR5DAY	120.19	28.92	11.225	120.19	133.12	0.00	131.00
RHH8117E_CD06	BASE	10YR24HR	25.06	21.86	11.225	25.06	132.21	0.00	131.00
RHH8117E_CD06	BASE	233YR24HR	24.71	20.08	11.225	24.71	132.02	0.00	131.00
RHH8117E_CD06	BASE	25YR24HR	25.51	22.94	11.225	25.51	132.34	0.00	131.00
RHH8117E_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117E_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117F_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117F_CD06	BASE	100YR5DAY	120.19	28.92	11.225	120.19	133.12	0.00	131.00
RHH8117F_CD06	BASE	10YR24HR	25.06	21.86	11.225	25.06	132.21	0.00	131.00
RHH8117F_CD06	BASE	233YR24HR	24.71	20.08	11.225	24.71	132.02	0.00	131.00
RHH8117F_CD06	BASE	25YR24HR	25.51	22.94	11.225	25.51	132.34	0.00	131.00
RHH8117F_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117F_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117G_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117G_CD06	BASE	100YR5DAY	120.19	28.92	11.225	120.19	133.12	0.00	131.00
RHH8117G_CD06	BASE	10YR24HR	25.06	21.86	11.225	25.06	132.21	0.00	131.00
RHH8117G_CD06	BASE	233YR24HR	24.71	20.08	11.225	24.71	132.02	0.00	131.00
RHH8117G_CD06	BASE	25YR24HR	25.51	22.94	11.225	25.51	132.34	0.00	131.00
RHH8117G_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117G_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8117H_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117H_CD07	BASE	100YR5DAY	120.19	8.57	3.325	120.19	133.12	0.00	131.00
RHH8117H_CD07	BASE	10YR24HR	25.06	6.48	3.325	25.06	132.21	0.00	131.00
RHH8117H_CD07	BASE	233YR24HR	24.71	5.95	3.325	24.71	132.02	0.00	131.00
RHH8117H_CD07	BASE	25YR24HR	25.51	6.80	3.325	25.51	132.34	0.00	131.00
RHH8117H_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117H_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8117I_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117I_CD07	BASE	100YR5DAY	120.19	8.57	3.325	120.19	133.12	0.00	131.00
RHH8117I_CD07	BASE	10YR24HR	25.06	6.48	3.325	25.06	132.21	0.00	131.00
RHH8117I_CD07	BASE	233YR24HR	24.71	5.95	3.325	24.71	132.02	0.00	131.00
RHH8117I_CD07	BASE	25YR24HR	25.51	6.80	3.325	25.51	132.34	0.00	131.00
RHH8117I_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117I_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8118	BASE	100YR24HR	18.31	31.66	5.830	18.10	132.02	17.94	131.66
RHH8118	BASE	100YR5DAY	121.04	39.51	5.906	120.22	133.12	119.90	132.12
RHH8118	BASE	10YR24HR	17.78	26.06	5.878	17.70	131.63	17.62	131.36
RHH8118	BASE	233YR24HR	17.14	21.05	5.908	17.05	131.43	16.96	131.23
RHH8118	BASE	25YR24HR	18.00	28.38	5.904	17.86	131.76	17.79	131.45
RHH8118	BASE	500YR5DAY	120.02	43.03	5.918	119.90	133.58	119.00	132.34
RHH8118	BASE	50YR24HR	18.11	30.29	5.916	17.92	131.91	17.84	131.57
RHH81180C	BASE	100YR24HR	0.00	0.00	-0.000	18.00	132.02	66.43	132.64
RHH81180C	BASE	100YR5DAY	0.00	0.00	-0.031	120.22	133.12	120.19	133.13
RHH81180C	BASE	10YR24HR	0.00	0.00	0.000	17.36	131.65	25.08	132.22
RHH81180C	BASE	233YR24HR	0.00	0.00	0.000	13.91	131.47	24.72	132.03
RHH81180C	BASE	25YR24HR	0.00	0.00	0.000	17.64	131.77	25.54	132.34
RHH81180C	BASE	500YR5DAY	0.00	0.00	0.636	119.89	133.58	119.86	133.58
RHH81180C	BASE	50YR24HR	0.00	0.00	0.000	17.80	131.92	52.85	132.51
RHH81180D	BASE	100YR24HR	13.50	75.13	5.108	18.00	132.02	18.10	132.02
RHH81180D	BASE	100YR5DAY	61.60	60.95	5.234	120.22	133.12	120.22	133.12
RHH81180D	BASE	10YR24HR	13.38	63.77	5.108	17.36	131.65	17.70	131.63
RHH81180D	BASE	233YR24HR	13.91	45.58	5.108	13.91	131.47	17.05	131.43
RHH81180D	BASE	25YR24HR	13.19	67.92	5.108	17.64	131.77	17.86	131.76
RHH81180D	BASE	500YR5DAY	63.05	90.06	5.108	119.89	133.58	119.90	133.58
RHH81180D	BASE	50YR24HR	13.52	70.51	5.108	17.80	131.92	17.92	131.91
RHH81180WS	BASE	100YR24HR	12.16	8.89	0.161	12.16	132.77	18.00	132.02
RHH81180WS	BASE	100YR5DAY	60.00	3.96	-0.320	120.22	133.12	120.22	133.12
RHH81180WS	BASE	10YR24HR	12.83	1.35	0.013	12.83	132.69	17.36	131.65
RHH81180WS	BASE	233YR24HR	24.18	0.04	0.000	24.18	132.66	13.91	131.47
RHH81180WS	BASE	25YR24HR	12.44	4.03	0.071	12.44	132.73	17.64	131.77
RHH81180WS	BASE	500YR5DAY	60.00	4.75	1.186	119.88	133.58	119.89	133.58
RHH81180WS	BASE	50YR24HR	12.24	7.10	0.141	12.24	132.76	17.80	131.92
RHH81181A	BASE	100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81181A	BASE	100YR5DAY	0.00	0.00	0.000	0.00	0.00	0.00	0.00
RHH81181A	BASE	10YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
RHH81181A	BASE	233YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
RHH81181A	BASE	25YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
RHH81181A	BASE	500YR5DAY	0.00	0.00	0.000	0.00	0.00	0.00	0.00
RHH81181A	BASE	50YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
RHH81181B	BASE	100YR24HR	1.17	0.06	-0.062	18.00	132.02	15.14	132.38
RHH81181B	BASE	100YR5DAY	72.58	1.59	0.072	120.22	133.12	120.25	133.12
RHH81181B	BASE	10YR24HR	1.49	0.06	-0.062	17.36	131.65	14.60	131.76
RHH81181B	BASE	233YR24HR	1.81	0.06	-0.062	13.91	131.47	13.87	131.56
RHH81181B	BASE	25YR24HR	1.34	0.06	-0.062	17.64	131.77	14.78	131.96
RHH81181B	BASE	500YR5DAY	73.70	0.07	-0.062	119.89	133.58	119.87	133.58
RHH81181B	BASE	50YR24HR	1.33	0.06	-0.062	17.80	131.92	14.98	132.22
RHH81182	BASE	100YR24HR	12.50	6.40	0.025	18.10	132.02	18.10	132.02
RHH81182	BASE	100YR5DAY	60.27	3.67	0.562	120.22	133.12	120.22	133.12
RHH81182	BASE	10YR24HR	12.25	4.11	0.015	17.70	131.63	17.70	131.63
RHH81182	BASE	233YR24HR	12.59	4.18	-0.025	17.05	131.43	17.05	131.43
RHH81182	BASE	25YR24HR	12.50	4.57	0.014	17.86	131.76	17.86	131.76
RHH81182	BASE	500YR5DAY	68.44	473.81	-438.575	119.88	133.58	119.90	133.58
RHH81182	BASE	50YR24HR	12.50	5.66	0.020	17.92	131.91	17.92	131.91
RHH811821W	BASE	100YR24HR	0.00	0.00	0.000	12.49	132.30	18.00	132.02
RHH811821W	BASE	100YR5DAY	165.26	0.03	-0.068	120.22	133.12	120.22	133.12
RHH811821W	BASE	10YR24HR	0.00	0.00	0.000	12.53	132.26	17.36	131.65
RHH811821W	BASE	233YR24HR	0.00	0.00	0.000	12.53	132.23	13.91	131.47
RHH811821W	BASE	25YR24HR	0.00	0.00	0.000	12.52	132.27	17.64	131.77
RHH811821W	BASE	500YR5DAY	68.36	0.72	-1.060	119.88	133.58	119.89	133.58
RHH811821W	BASE	50YR24HR	0.00	0.00	0.000	12.50	132.29	17.80	131.92
RHH81182B	BASE	100YR24HR	0.00	0.00	0.000	18.10	132.02	18.00	132.02
RHH81182B	BASE	100YR5DAY	166.43	0.12	0.245	120.22	133.12	120.22	133.12
RHH81182B	BASE	10YR24HR	0.00	0.00	0.000	17.70	131.63	17.36	131.65
RHH81182B	BASE	233YR24HR	0.00	0.00	0.000	17.05	131.43	13.91	131.47
RHH81182B	BASE	25YR24HR	0.00	0.00	0.000	17.86	131.76	17.64	131.77
RHH81182B	BASE	500YR5DAY	68.44	22.16	-22.429	119.88	133.58	119.89	133.58
RHH81182B	BASE	50YR24HR	0.00	0.00	0.000	17.92	131.91	17.80	131.92
RHH81182WE	BASE	100YR24HR	200.00	-0.00	-0.018	18.10	132.02	12.49	132.30
RHH81182WE	BASE	100YR5DAY	68.57	0.30	-0.277	120.22	133.12	120.22	133.12
RHH81182WE	BASE	10YR24HR	200.00	-0.00	-0.007	17.70	131.63	12.53	132.26
RHH81182WE	BASE	233YR24HR	200.00	-0.00	-0.004	17.05	131.43	12.53	132.23
RHH81182WE	BASE	25YR24HR	200.00	-0.00	-0.010	17.86	131.76	12.52	132.27
RHH81182WE	BASE	500YR5DAY	68.44	13.19	-12.740	119.88	133.58	119.88	133.58
RHH81182WE	BASE	50YR24HR	200.00	-0.00	-0.015	17.92	131.91	12.50	132.29
RHH81183	BASE	100YR24HR	12.94	44.88	-0.203	18.09	132.02	18.10	132.02
RHH81183	BASE	100YR5DAY	60.04	23.61	-0.234	120.22	133.12	120.22	133.12

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RHH81183	BASE	10YR24HR	13.23	26.93	0.044	17.68	131.64	17.70	131.63
RHH81183	BASE	233YR24HR	13.35	17.47	0.022	13.35	131.56	17.05	131.43
RHH81183	BASE	25YR24HR	13.20	32.89	-0.083	17.85	131.76	17.86	131.76
RHH81183	BASE	500YR5DAY	60.67	23.76	20.499	119.90	133.58	119.90	133.58
RHH81183	BASE	50YR24HR	13.06	41.08	-0.170	17.91	131.92	17.92	131.91
RHH81183WN	BASE	100YR24HR	12.72	24.26	0.081	12.72	132.43	18.09	132.02
RHH81183WN	BASE	100YR5DAY	60.57	17.71	-0.582	120.24	133.12	120.22	133.12
RHH81183WN	BASE	10YR24HR	12.72	13.09	0.029	12.72	132.36	17.68	131.64
RHH81183WN	BASE	233YR24HR	12.76	8.78	0.015	12.76	132.32	13.35	131.56
RHH81183WN	BASE	25YR24HR	12.72	15.78	0.043	12.72	132.38	17.85	131.76
RHH81183WN	BASE	500YR5DAY	60.55	21.29	-1.293	119.92	133.58	119.90	133.58
RHH81183WN	BASE	50YR24HR	12.74	20.78	0.062	12.74	132.41	17.91	131.92
RHH81184	BASE	100YR24HR	12.41	3.61	0.013	12.41	133.57	12.82	133.43
RHH81184	BASE	100YR5DAY	60.34	2.05	0.003	60.34	133.52	61.14	133.27
RHH81184	BASE	10YR24HR	12.41	2.26	0.006	12.41	133.53	13.23	133.07
RHH81184	BASE	233YR24HR	12.43	1.56	0.003	12.43	133.50	14.36	132.88
RHH81184	BASE	25YR24HR	12.41	2.70	0.007	12.41	133.54	13.05	133.20
RHH81184	BASE	500YR5DAY	60.34	2.46	0.004	60.34	133.53	61.07	133.37
RHH81184	BASE	50YR24HR	12.41	3.24	0.010	12.41	133.56	12.94	133.35
RHH811841	BASE	100YR24HR	12.79	10.01	1.433	12.82	133.43	12.90	133.02
RHH811841	BASE	100YR5DAY	61.14	8.28	1.796	61.14	133.27	61.12	132.98
RHH811841	BASE	10YR24HR	12.40	6.66	1.433	13.23	133.07	13.33	132.95
RHH811841	BASE	233YR24HR	12.33	5.73	1.434	14.36	132.88	14.43	132.86
RHH811841	BASE	25YR24HR	12.98	7.46	1.434	13.05	133.20	13.11	132.98
RHH811841	BASE	500YR5DAY	61.07	9.43	1.760	61.07	133.37	61.05	133.00
RHH811841	BASE	50YR24HR	12.93	9.20	-1.443	12.94	133.35	12.98	133.00
RHH81184B	BASE	100YR24HR	0.00	0.00	0.000	12.41	133.57	12.90	133.02
RHH81184B	BASE	100YR5DAY	0.00	0.00	0.000	60.34	133.52	61.12	132.98
RHH81184B	BASE	10YR24HR	0.00	0.00	0.000	12.41	133.53	13.33	132.95
RHH81184B	BASE	233YR24HR	0.00	0.00	0.000	12.43	133.50	14.43	132.86
RHH81184B	BASE	25YR24HR	0.00	0.00	0.000	12.41	133.54	13.11	132.98
RHH81184B	BASE	500YR5DAY	0.00	0.00	0.000	60.34	133.53	61.05	133.00
RHH81184B	BASE	50YR24HR	0.00	0.00	0.000	12.41	133.56	12.98	133.00
RHH81185	BASE	100YR24HR	12.36	6.69	0.024	12.36	135.09	12.72	134.00
RHH81185	BASE	100YR5DAY	60.19	3.59	0.005	60.19	135.02	61.11	133.50
RHH81185	BASE	10YR24HR	12.36	4.14	0.011	12.36	135.04	12.73	133.40
RHH81185	BASE	233YR24HR	12.44	2.55	0.005	12.44	135.00	12.69	132.97
RHH81185	BASE	25YR24HR	12.36	4.98	0.013	12.36	135.05	12.73	133.60
RHH81185	BASE	500YR5DAY	60.19	4.31	0.008	60.19	135.04	61.22	133.78
RHH81185	BASE	50YR24HR	12.36	6.01	0.019	12.36	135.07	12.74	133.86
RHH811851	BASE	100YR24HR	12.86	13.64	-0.614	12.72	134.00	33.24	133.14
RHH811851	BASE	100YR5DAY	60.49	9.86	1.154	61.11	133.50	96.64	133.47
RHH811851	BASE	10YR24HR	12.72	9.31	-0.335	12.73	133.40	36.07	132.84

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RHH811851	BASE	233YR24HR	12.68	5.65	0.196	12.69	132.97	48.00	132.65
RHH811851	BASE	25YR24HR	12.72	11.05	-0.442	12.73	133.60	35.36	132.94
RHH811851	BASE	500YR5DAY	60.52	11.37	1.364	61.22	133.78	108.98	133.67
RHH811851	BASE	50YR24HR	12.83	12.65	-0.600	12.74	133.86	35.70	133.07
RHH81185B	BASE	100YR24HR	0.00	0.00	0.000	12.36	135.09	33.24	133.14
RHH81185B	BASE	100YR5DAY	0.00	0.00	0.000	60.19	135.02	96.64	133.47
RHH81185B	BASE	10YR24HR	0.00	0.00	0.000	12.36	135.04	36.07	132.84
RHH81185B	BASE	233YR24HR	0.00	0.00	0.000	12.44	135.00	48.00	132.65
RHH81185B	BASE	25YR24HR	0.00	0.00	0.000	12.36	135.05	35.36	132.94
RHH81185B	BASE	500YR5DAY	0.00	0.00	0.000	60.19	135.04	108.98	133.67
RHH81185B	BASE	50YR24HR	0.00	0.00	0.000	12.36	135.07	35.70	133.07
RHH81185C	BASE	100YR24HR	0.00	0.00	0.000	12.36	135.09	12.41	133.57
RHH81185C	BASE	100YR5DAY	0.00	0.00	0.000	60.19	135.02	60.34	133.52
RHH81185C	BASE	10YR24HR	0.00	0.00	0.000	12.36	135.04	12.41	133.53
RHH81185C	BASE	233YR24HR	0.00	0.00	0.000	12.44	135.00	12.43	133.50
RHH81185C	BASE	25YR24HR	0.00	0.00	0.000	12.36	135.05	12.41	133.54
RHH81185C	BASE	500YR5DAY	0.00	0.00	0.000	60.19	135.04	60.34	133.53
RHH81185C	BASE	50YR24HR	0.00	0.00	0.000	12.36	135.07	12.41	133.56
RHH81186	BASE	100YR24HR	13.19	11.70	0.029	13.19	133.76	15.09	131.79
RHH81186	BASE	100YR5DAY	61.37	9.96	0.012	61.37	133.71	96.84	132.32
RHH81186	BASE	10YR24HR	13.30	7.10	0.010	13.30	133.62	15.03	131.44
RHH81186	BASE	233YR24HR	13.31	4.78	0.005	13.31	133.53	15.06	131.25
RHH81186	BASE	25YR24HR	13.30	8.61	0.015	13.30	133.67	15.11	131.56
RHH81186	BASE	500YR5DAY	61.35	11.63	0.015	61.35	133.76	119.30	132.58
RHH81186	BASE	50YR24HR	13.22	10.54	0.023	13.22	133.73	15.09	131.70
RHH811861	BASE	100YR24HR	13.00	-4.49	-8.842	15.09	131.79	18.10	132.02
RHH811861	BASE	100YR5DAY	60.82	-6.91	-8.842	96.84	132.32	120.22	133.12
RHH811861	BASE	10YR24HR	13.07	-6.64	-8.842	15.03	131.44	17.70	131.63
RHH811861	BASE	233YR24HR	13.08	-7.36	-8.842	15.06	131.25	17.05	131.43
RHH811861	BASE	25YR24HR	13.14	-6.04	-8.842	15.11	131.56	17.86	131.76
RHH811861	BASE	500YR5DAY	60.68	-6.73	-8.842	119.30	132.58	119.90	133.58
RHH811861	BASE	50YR24HR	13.05	-5.02	-8.842	15.09	131.70	17.92	131.91
RHH81186B	BASE	100YR24HR	0.00	0.00	0.000	13.19	133.76	18.10	132.02
RHH81186B	BASE	100YR5DAY	0.00	0.00	0.000	61.37	133.71	120.22	133.12
RHH81186B	BASE	10YR24HR	0.00	0.00	0.000	13.30	133.62	17.70	131.63
RHH81186B	BASE	233YR24HR	0.00	0.00	0.000	13.31	133.53	17.05	131.43
RHH81186B	BASE	25YR24HR	0.00	0.00	0.000	13.30	133.67	17.86	131.76
RHH81186B	BASE	500YR5DAY	0.00	0.00	0.000	61.35	133.76	119.90	133.58
RHH81186B	BASE	50YR24HR	0.00	0.00	0.000	13.22	133.73	17.92	131.91
RHH81187	BASE	100YR24HR	12.57	4.97	0.015	12.57	133.80	17.94	131.66
RHH81187	BASE	100YR5DAY	60.43	3.26	0.005	60.43	133.73	119.90	132.12
RHH81187	BASE	10YR24HR	12.59	3.20	0.007	12.59	133.73	17.62	131.36
RHH81187	BASE	233YR24HR	12.61	2.28	0.004	12.61	133.68	16.96	131.23

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RHH81187	BASE	25YR24HR	12.59	3.77	0.010	12.59	133.75	17.79	131.45
RHH81187	BASE	500YR5DAY	61.24	4.17	0.006	61.24	133.77	119.00	132.34
RHH81187	BASE	50YR24HR	12.58	4.50	0.013	12.58	133.78	17.84	131.57
RHH811871	BASE	100YR24HR	17.94	31.92	6.078	17.94	131.66	13.09	131.79
RHH811871	BASE	100YR5DAY	119.90	39.52	5.972	119.90	132.12	60.56	131.79
RHH811871	BASE	10YR24HR	17.62	26.24	-6.005	17.62	131.36	0.00	131.00
RHH811871	BASE	233YR24HR	16.96	21.18	-6.001	16.96	131.23	0.00	131.00
RHH811871	BASE	25YR24HR	17.67	28.59	-6.000	17.79	131.45	14.87	131.79
RHH811871	BASE	500YR5DAY	118.71	43.04	5.929	119.00	132.34	59.96	131.79
RHH811871	BASE	50YR24HR	17.71	30.53	-6.005	17.84	131.57	13.47	131.79
RHH811871B	BASE	100YR24HR	17.94	31.92	6.078	17.94	131.66	13.09	131.79
RHH811871B	BASE	100YR5DAY	119.90	39.52	5.972	119.90	132.12	60.56	131.79
RHH811871B	BASE	10YR24HR	17.62	26.24	-6.005	17.62	131.36	0.00	131.00
RHH811871B	BASE	233YR24HR	16.96	21.18	-6.001	16.96	131.23	0.00	131.00
RHH811871B	BASE	25YR24HR	17.67	28.59	-6.000	17.79	131.45	14.87	131.79
RHH811871B	BASE	500YR5DAY	118.71	43.04	5.929	119.00	132.34	59.96	131.79
RHH811871B	BASE	50YR24HR	17.71	30.53	-6.005	17.84	131.57	13.47	131.79
RHH81187B	BASE	100YR24HR	0.00	0.00	0.000	12.57	133.80	0.00	131.00
RHH81187B	BASE	100YR5DAY	0.00	0.00	0.000	60.43	133.73	0.00	131.00
RHH81187B	BASE	10YR24HR	0.00	0.00	0.000	12.59	133.73	0.00	131.00
RHH81187B	BASE	233YR24HR	0.00	0.00	0.000	12.61	133.68	0.00	131.00
RHH81187B	BASE	25YR24HR	0.00	0.00	0.000	12.59	133.75	0.00	131.00
RHH81187B	BASE	500YR5DAY	0.00	0.00	0.000	61.24	133.77	0.00	131.00
RHH81187B	BASE	50YR24HR	0.00	0.00	0.000	12.58	133.78	0.00	131.00
RHH81187C	BASE	100YR24HR	12.57	2.77	-0.016	12.57	133.80	13.19	133.76
RHH81187C	BASE	100YR5DAY	60.43	1.44	0.003	60.43	133.73	61.37	133.71
RHH81187C	BASE	10YR24HR	12.59	1.40	0.004	12.59	133.73	13.30	133.62
RHH81187C	BASE	233YR24HR	12.61	0.84	0.002	12.61	133.68	13.31	133.53
RHH81187C	BASE	25YR24HR	12.59	1.80	0.006	12.59	133.75	13.30	133.67
RHH81187C	BASE	500YR5DAY	60.30	1.80	-0.005	61.24	133.77	61.35	133.76
RHH81187C	BASE	50YR24HR	12.58	2.37	0.008	12.58	133.78	13.22	133.73
RHH81187D	BASE	100YR24HR	0.00	0.00	0.000	12.57	133.80	12.53	131.06
RHH81187D	BASE	100YR5DAY	0.00	0.00	0.000	60.43	133.73	60.41	131.05
RHH81187D	BASE	10YR24HR	0.00	0.00	0.000	12.59	133.73	12.57	131.02
RHH81187D	BASE	233YR24HR	0.00	0.00	0.000	12.61	133.68	0.00	131.01
RHH81187D	BASE	25YR24HR	0.00	0.00	0.000	12.59	133.75	12.78	131.02
RHH81187D	BASE	500YR5DAY	0.00	0.00	0.000	61.24	133.77	60.34	131.07
RHH81187D	BASE	50YR24HR	0.00	0.00	0.000	12.58	133.78	12.83	131.04
RHH811881	BASE	100YR24HR	12.53	7.01	3.704	12.53	131.06	0.00	131.00
RHH811881	BASE	100YR5DAY	60.41	6.67	3.133	60.41	131.05	0.00	131.00
RHH811881	BASE	10YR24HR	12.57	3.76	3.714	12.57	131.02	0.00	131.00
RHH811881	BASE	233YR24HR	0.00	2.91	3.741	0.00	131.01	0.00	131.00
RHH811881	BASE	25YR24HR	12.78	4.16	3.279	12.78	131.02	0.00	131.00

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH811881	BASE	500YR5DAY	60.34	7.77	4.323	60.34	131.07	0.00	131.00
RHH811881	BASE	50YR24HR	12.83	5.58	4.063	12.83	131.04	0.00	131.00
RHH81188B	BASE	100YR24HR	0.00	0.00	0.000	12.53	131.06	0.00	131.00
RHH81188B	BASE	100YR5DAY	0.00	0.00	0.000	60.41	131.05	0.00	131.00
RHH81188B	BASE	10YR24HR	0.00	0.00	0.000	12.57	131.02	0.00	131.00
RHH81188B	BASE	233YR24HR	0.00	0.00	0.000	0.00	131.01	0.00	131.00
RHH81188B	BASE	25YR24HR	0.00	0.00	0.000	12.78	131.02	0.00	131.00
RHH81188B	BASE	500YR5DAY	0.00	0.00	0.000	60.34	131.07	0.00	131.00
RHH81188B	BASE	50YR24HR	0.00	0.00	0.000	12.83	131.04	0.00	131.00
RHH8118B	BASE	100YR24HR	0.00	0.00	-0.000	18.10	132.02	66.43	132.64
RHH8118B	BASE	100YR5DAY	0.00	0.00	-0.117	120.22	133.12	120.19	133.13
RHH8118B	BASE	10YR24HR	0.00	0.00	0.000	17.70	131.63	25.08	132.22
RHH8118B	BASE	233YR24HR	0.00	0.00	0.000	17.05	131.43	24.72	132.03
RHH8118B	BASE	25YR24HR	0.00	0.00	0.000	17.86	131.76	25.54	132.34
RHH8118B	BASE	500YR5DAY	0.00	0.00	-2.110	119.90	133.58	119.86	133.58
RHH8118B	BASE	50YR24HR	0.00	0.00	0.000	17.92	131.91	52.85	132.51
RHH8118C	BASE	100YR24HR	0.00	0.00	0.000	18.10	132.02	12.57	133.80
RHH8118C	BASE	100YR5DAY	0.00	0.00	0.000	120.22	133.12	60.43	133.73
RHH8118C	BASE	10YR24HR	0.00	0.00	0.000	17.70	131.63	12.59	133.73
RHH8118C	BASE	233YR24HR	0.00	0.00	0.000	17.05	131.43	12.61	133.68
RHH8118C	BASE	25YR24HR	0.00	0.00	0.000	17.86	131.76	12.59	133.75
RHH8118C	BASE	500YR5DAY	0.00	0.00	0.000	119.90	133.58	61.24	133.77
RHH8118C	BASE	50YR24HR	0.00	0.00	0.000	17.92	131.91	12.58	133.78
RHH8118D	BASE	100YR24HR	18.31	31.66	5.830	18.10	132.02	17.94	131.66
RHH8118D	BASE	100YR5DAY	121.04	39.51	5.906	120.22	133.12	119.90	132.12
RHH8118D	BASE	10YR24HR	17.78	26.06	5.878	17.70	131.63	17.62	131.36
RHH8118D	BASE	233YR24HR	17.14	21.05	5.908	17.05	131.43	16.96	131.23
RHH8118D	BASE	25YR24HR	18.00	28.38	5.904	17.86	131.76	17.79	131.45
RHH8118D	BASE	500YR5DAY	120.02	43.03	5.918	119.90	133.58	119.00	132.34
RHH8118D	BASE	50YR24HR	18.11	30.29	5.916	17.92	131.91	17.84	131.57
RHH81192A	BASE	100YR24HR	0.00	0.00	0.000	25.00	132.67	14.81	132.90
RHH81192A	BASE	100YR5DAY	0.00	0.00	0.000	121.00	133.40	63.05	133.06
RHH81192A	BASE	10YR24HR	0.00	0.00	0.000	25.00	132.23	15.09	132.46
RHH81192A	BASE	233YR24HR	0.00	0.00	0.000	25.00	132.02	15.01	132.26
RHH81192A	BASE	25YR24HR	0.00	0.00	0.000	25.00	132.38	15.00	132.61
RHH81192A	BASE	500YR5DAY	0.00	0.00	0.000	121.00	133.90	63.39	133.31
RHH81192A	BASE	50YR24HR	0.00	0.00	0.000	25.00	132.55	14.88	132.78
RHH81192B	BASE	100YR24HR	0.00	0.00	0.000	25.00	132.67	66.43	132.64
RHH81192B	BASE	100YR5DAY	0.00	0.00	0.000	121.00	133.40	120.19	133.13
RHH81192B	BASE	10YR24HR	0.00	0.00	0.000	25.00	132.23	25.08	132.22
RHH81192B	BASE	233YR24HR	0.00	0.00	0.000	25.00	132.02	24.72	132.03
RHH81192B	BASE	25YR24HR	0.00	0.00	0.000	25.00	132.38	25.54	132.34
RHH81192B	BASE	500YR5DAY	0.00	0.00	0.000	121.00	133.90	119.86	133.58

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81192B	BASE	50YR24HR	0.00	0.00	0.000	25.00	132.55	52.85	132.51
RHH8119A	BASE	100YR24HR	0.00	0.00	0.000	14.81	132.90	66.43	132.64
RHH8119A	BASE	100YR5DAY	0.00	0.00	0.000	63.05	133.06	120.19	133.13
RHH8119A	BASE	10YR24HR	0.00	0.00	0.000	15.09	132.46	25.08	132.22
RHH8119A	BASE	233YR24HR	0.00	0.00	0.000	15.01	132.26	24.72	132.03
RHH8119A	BASE	25YR24HR	0.00	0.00	0.000	15.00	132.61	25.54	132.34
RHH8119A	BASE	500YR5DAY	0.00	0.00	0.000	63.39	133.31	119.86	133.58
RHH8119A	BASE	50YR24HR	0.00	0.00	0.000	14.88	132.78	52.85	132.51
RHH8119C	BASE	100YR24HR	14.81	1.66	0.032	14.81	132.90	12.52	131.07
RHH8119C	BASE	100YR5DAY	63.05	1.99	0.032	63.05	133.06	60.30	131.06
RHH8119C	BASE	10YR24HR	15.09	0.85	0.032	15.09	132.46	12.34	131.02
RHH8119C	BASE	233YR24HR	15.01	0.52	0.032	15.01	132.26	12.35	131.01
RHH8119C	BASE	25YR24HR	15.00	1.11	0.032	15.00	132.61	12.35	131.03
RHH8119C	BASE	500YR5DAY	63.39	2.51	0.032	63.39	133.31	60.34	131.08
RHH8119C	BASE	50YR24HR	14.88	1.43	0.032	14.88	132.78	12.50	131.05
RHH8120A	BASE	100YR24HR	12.48	0.89	0.005	12.48	135.57	33.24	133.14
RHH8120A	BASE	100YR5DAY	60.33	0.26	0.001	60.33	135.45	96.64	133.47
RHH8120A	BASE	10YR24HR	12.51	0.33	0.002	12.51	135.47	36.07	132.84
RHH8120A	BASE	233YR24HR	12.58	0.07	0.000	12.58	135.40	48.00	132.65
RHH8120A	BASE	25YR24HR	12.50	0.50	0.003	12.50	135.50	35.36	132.94
RHH8120A	BASE	500YR5DAY	60.31	0.41	0.001	60.31	135.48	108.98	133.67
RHH8120A	BASE	50YR24HR	12.49	0.73	0.004	12.49	135.54	35.70	133.07
RHH8120B	BASE	100YR24HR	12.48	6.36	0.021	12.48	135.57	33.24	133.14
RHH8120B	BASE	100YR5DAY	60.33	3.78	0.006	60.33	135.45	96.64	133.47
RHH8120B	BASE	10YR24HR	12.51	4.13	0.010	12.51	135.47	36.07	132.84
RHH8120B	BASE	233YR24HR	12.58	2.79	0.008	12.58	135.40	48.00	132.65
RHH8120B	BASE	25YR24HR	12.50	4.86	0.013	12.50	135.50	35.36	132.94
RHH8120B	BASE	500YR5DAY	60.31	4.46	0.007	60.31	135.48	108.98	133.67
RHH8120B	BASE	50YR24HR	12.49	5.75	0.018	12.49	135.54	35.70	133.07
RHH8120C	BASE	100YR24HR	0.00	0.00	0.000	12.48	135.57	33.24	133.14
RHH8120C	BASE	100YR5DAY	0.00	0.00	0.000	60.33	135.45	96.64	133.47
RHH8120C	BASE	10YR24HR	0.00	0.00	0.000	12.51	135.47	36.07	132.84
RHH8120C	BASE	233YR24HR	0.00	0.00	0.000	12.58	135.40	48.00	132.65
RHH8120C	BASE	25YR24HR	0.00	0.00	0.000	12.50	135.50	35.36	132.94
RHH8120C	BASE	500YR5DAY	0.00	0.00	0.000	60.31	135.48	108.98	133.67
RHH8120C	BASE	50YR24HR	0.00	0.00	0.000	12.49	135.54	35.70	133.07
RHH8125	BASE	100YR24HR	13.27	9.79	-0.470	12.85	134.18	12.72	134.00
RHH8125	BASE	100YR5DAY	60.70	6.56	1.468	61.00	133.60	61.11	133.50
RHH8125	BASE	10YR24HR	12.79	6.01	0.305	12.80	133.51	12.73	133.40
RHH8125	BASE	233YR24HR	12.92	3.52	0.282	12.94	133.18	13.98	132.68
RHH8125	BASE	25YR24HR	13.01	7.49	0.317	12.79	133.72	12.73	133.60
RHH8125	BASE	500YR5DAY	60.74	7.44	1.889	61.20	133.90	61.22	133.78
RHH8125	BASE	50YR24HR	13.12	9.06	-0.423	12.83	134.01	12.74	133.86

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8130	BASE	100YR24HR	12.17	5.40	0.022	12.17	135.25	12.85	134.18
RHH8130	BASE	100YR5DAY	60.02	2.42	0.005	60.02	135.21	61.00	133.60
RHH8130	BASE	10YR24HR	12.18	3.39	0.010	12.18	135.22	12.80	133.51
RHH8130	BASE	233YR24HR	12.15	2.37	0.008	12.15	135.20	12.94	133.18
RHH8130	BASE	25YR24HR	12.17	4.04	0.012	12.17	135.23	12.79	133.72
RHH8130	BASE	500YR5DAY	60.02	2.91	0.008	60.02	135.21	61.20	133.90
RHH8130	BASE	50YR24HR	12.17	4.86	0.017	12.17	135.25	12.83	134.01
RHH8135	BASE	100YR24HR	12.35	1.63	0.007	12.35	136.51	12.36	135.09
RHH8135	BASE	100YR5DAY	60.21	0.83	0.001	60.21	136.47	60.19	135.02
RHH8135	BASE	10YR24HR	12.41	0.96	0.003	12.41	136.48	12.36	135.04
RHH8135	BASE	233YR24HR	12.65	0.50	0.002	12.65	136.44	12.44	135.00
RHH8135	BASE	25YR24HR	12.37	1.19	0.004	12.37	136.49	12.36	135.05
RHH8135	BASE	500YR5DAY	60.20	1.01	0.002	60.20	136.48	60.19	135.04
RHH8135	BASE	50YR24HR	12.36	1.45	0.005	12.36	136.51	12.36	135.07
RHH8140	BASE	100YR24HR	12.23	2.45	0.008	12.23	134.61	12.85	134.18
RHH8140	BASE	100YR5DAY	60.17	1.25	0.002	60.17	134.57	61.00	133.60
RHH8140	BASE	10YR24HR	12.26	1.54	0.004	12.26	134.58	12.80	133.51
RHH8140	BASE	233YR24HR	12.28	1.06	0.003	12.28	134.56	12.94	133.18
RHH8140	BASE	25YR24HR	12.25	1.84	0.005	12.25	134.59	12.79	133.72
RHH8140	BASE	500YR5DAY	60.17	1.50	0.003	60.17	134.58	61.20	133.90
RHH8140	BASE	50YR24HR	12.24	2.21	0.007	12.24	134.60	12.83	134.01
RHH8145	BASE	100YR24HR	13.29	7.41	1.530	12.93	133.64	12.82	133.43
RHH8145	BASE	100YR5DAY	61.29	6.48	1.391	61.19	133.44	61.14	133.27
RHH8145	BASE	10YR24HR	12.38	4.50	1.440	13.26	133.15	13.23	133.07
RHH8145	BASE	233YR24HR	12.25	4.34	1.978	14.36	132.88	14.36	132.88
RHH8145	BASE	25YR24HR	13.30	5.74	1.999	13.13	133.34	13.05	133.20
RHH8145	BASE	500YR5DAY	61.31	7.25	1.445	61.15	133.58	61.07	133.37
RHH8145	BASE	50YR24HR	13.34	7.09	1.467	13.07	133.55	12.94	133.35
RHH8145A	BASE	100YR24HR	0.00	0.00	0.000	12.93	133.64	25.00	132.67
RHH8145A	BASE	100YR5DAY	0.00	0.00	0.000	61.19	133.44	121.00	133.40
RHH8145A	BASE	10YR24HR	0.00	0.00	0.000	13.26	133.15	25.00	132.23
RHH8145A	BASE	233YR24HR	0.00	0.00	0.000	14.36	132.88	25.00	132.02
RHH8145A	BASE	25YR24HR	0.00	0.00	0.000	13.13	133.34	25.00	132.38
RHH8145A	BASE	500YR5DAY	0.00	0.00	0.000	61.15	133.58	121.00	133.90
RHH8145A	BASE	50YR24HR	0.00	0.00	0.000	13.07	133.55	25.00	132.55
RHH8145B	BASE	100YR24HR	12.93	1.87	0.019	12.93	133.64	66.43	132.64
RHH8145B	BASE	100YR5DAY	0.00	0.00	0.000	61.19	133.44	120.19	133.13
RHH8145B	BASE	10YR24HR	0.00	0.00	0.000	13.26	133.15	25.08	132.22
RHH8145B	BASE	233YR24HR	0.00	0.00	0.000	14.36	132.88	24.72	132.03
RHH8145B	BASE	25YR24HR	0.00	0.00	0.000	13.13	133.34	25.54	132.34
RHH8145B	BASE	500YR5DAY	61.15	0.66	-0.004	61.15	133.58	119.86	133.58
RHH8145B	BASE	50YR24HR	13.07	0.22	0.003	13.07	133.55	52.85	132.51

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8145C	BASE	100YR24HR	0.00	0.00	0.000	12.93	133.64	12.41	133.57
RHH8145C	BASE	100YR5DAY	0.00	0.00	0.000	61.19	133.44	60.34	133.52
RHH8145C	BASE	10YR24HR	0.00	0.00	0.000	13.26	133.15	12.41	133.53
RHH8145C	BASE	233YR24HR	0.00	0.00	0.000	14.36	132.88	12.43	133.50
RHH8145C	BASE	25YR24HR	0.00	0.00	0.000	13.13	133.34	12.41	133.54
RHH8145C	BASE	500YR5DAY	0.00	0.00	0.000	61.15	133.58	60.34	133.53
RHH8145C	BASE	50YR24HR	0.00	0.00	0.000	13.07	133.55	12.41	133.56
RHH8150A	BASE	100YR24HR	0.00	0.00	0.000	12.55	134.27	14.81	132.90
RHH8150A	BASE	100YR5DAY	0.00	0.00	0.000	60.24	134.02	63.05	133.06
RHH8150A	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.97	15.09	132.46
RHH8150A	BASE	233YR24HR	0.00	0.00	0.000	12.37	133.82	15.01	132.26
RHH8150A	BASE	25YR24HR	0.00	0.00	0.000	12.42	134.06	15.00	132.61
RHH8150A	BASE	500YR5DAY	0.00	0.00	0.000	60.32	134.12	63.39	133.31
RHH8150A	BASE	50YR24HR	0.00	0.00	0.000	12.53	134.19	14.88	132.78
RHH8150B	BASE	100YR24HR	12.54	5.22	0.015	12.55	134.27	12.54	132.44
RHH8150B	BASE	100YR5DAY	60.22	3.41	0.006	60.24	134.02	60.22	132.32
RHH8150B	BASE	10YR24HR	12.37	3.08	0.007	12.38	133.97	12.37	132.29
RHH8150B	BASE	233YR24HR	12.36	2.11	0.005	12.37	133.82	12.36	132.21
RHH8150B	BASE	25YR24HR	12.42	3.65	0.010	12.42	134.06	12.42	132.34
RHH8150B	BASE	500YR5DAY	60.30	4.07	0.034	60.32	134.12	63.39	133.31
RHH8150B	BASE	50YR24HR	12.52	4.60	0.014	12.53	134.19	12.52	132.40
RHH8150C	BASE	100YR24HR	0.00	0.00	0.000	12.55	134.27	12.93	133.64
RHH8150C	BASE	100YR5DAY	0.00	0.00	0.000	60.24	134.02	61.19	133.44
RHH8150C	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.97	13.26	133.15
RHH8150C	BASE	233YR24HR	0.00	0.00	0.000	12.37	133.82	14.36	132.88
RHH8150C	BASE	25YR24HR	0.00	0.00	0.000	12.42	134.06	13.13	133.34
RHH8150C	BASE	500YR5DAY	0.00	0.00	0.000	60.32	134.12	61.15	133.58
RHH8150C	BASE	50YR24HR	0.00	0.00	0.000	12.53	134.19	13.07	133.55
RHH8150D	BASE	100YR24HR	0.00	0.00	0.000	12.55	134.27	25.00	132.67
RHH8150D	BASE	100YR5DAY	0.00	0.00	0.000	60.24	134.02	121.00	133.40
RHH8150D	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.97	25.00	132.23
RHH8150D	BASE	233YR24HR	0.00	0.00	0.000	12.37	133.82	25.00	132.02
RHH8150D	BASE	25YR24HR	0.00	0.00	0.000	12.42	134.06	25.00	132.38
RHH8150D	BASE	500YR5DAY	0.00	0.00	0.000	60.32	134.12	121.00	133.90
RHH8150D	BASE	50YR24HR	0.00	0.00	0.000	12.53	134.19	25.00	132.55
RHH8150E	BASE	100YR24HR	0.00	0.00	0.000	12.55	134.27	12.52	131.07
RHH8150E	BASE	100YR5DAY	0.00	0.00	0.000	60.24	134.02	60.30	131.06
RHH8150E	BASE	10YR24HR	0.00	0.00	0.000	12.38	133.97	12.34	131.02
RHH8150E	BASE	233YR24HR	0.00	0.00	0.000	12.37	133.82	12.35	131.01
RHH8150E	BASE	25YR24HR	0.00	0.00	0.000	12.42	134.06	12.35	131.03
RHH8150E	BASE	500YR5DAY	0.00	0.00	0.000	60.32	134.12	60.34	131.08
RHH8150E	BASE	50YR24HR	0.00	0.00	0.000	12.53	134.19	12.50	131.05
RHH8155	BASE	100YR24HR	12.57	9.01	-0.051	18.12	132.02	18.10	132.02

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8155	BASE	100YR5DAY	60.35	6.31	-1.412	120.22	133.12	120.22	133.12
RHH8155	BASE	10YR24HR	12.62	4.57	0.011	12.62	131.75	17.70	131.63
RHH8155	BASE	233YR24HR	12.70	2.80	0.005	12.70	131.70	17.05	131.43
RHH8155	BASE	25YR24HR	12.60	5.75	0.017	12.60	131.78	17.86	131.76
RHH8155	BASE	500YR5DAY	60.22	7.59	3.180	119.90	133.58	119.90	133.58
RHH8155	BASE	50YR24HR	12.59	7.52	-0.033	17.93	131.92	17.92	131.91
RHH8160	BASE	100YR24HR	12.68	5.49	5.183	12.52	131.07	12.53	131.06
RHH8160	BASE	100YR5DAY	60.18	5.56	5.708	60.30	131.06	60.41	131.05
RHH8160	BASE	10YR24HR	12.15	4.58	4.432	12.34	131.02	12.57	131.02
RHH8160	BASE	233YR24HR	13.33	3.83	4.376	12.35	131.01	0.00	131.01
RHH8160	BASE	25YR24HR	12.35	5.29	4.698	12.35	131.03	12.78	131.02
RHH8160	BASE	500YR5DAY	59.41	5.26	4.761	60.34	131.08	60.34	131.07
RHH8160	BASE	50YR24HR	12.50	5.17	5.357	12.50	131.05	12.83	131.04
RHH8160B	BASE	100YR24HR	0.00	0.00	0.000	12.52	131.07	12.53	131.06
RHH8160B	BASE	100YR5DAY	0.00	0.00	0.000	60.30	131.06	60.41	131.05
RHH8160B	BASE	10YR24HR	0.00	0.00	0.000	12.34	131.02	12.57	131.02
RHH8160B	BASE	233YR24HR	0.00	0.00	0.000	12.35	131.01	0.00	131.01
RHH8160B	BASE	25YR24HR	0.00	0.00	0.000	12.35	131.03	12.78	131.02
RHH8160B	BASE	500YR5DAY	0.00	0.00	0.000	60.34	131.08	60.34	131.07
RHH8160B	BASE	50YR24HR	0.00	0.00	0.000	12.50	131.05	12.83	131.04
RHH8160C	BASE	100YR24HR	0.00	0.00	0.000	12.52	131.07	18.12	132.02
RHH8160C	BASE	100YR5DAY	0.00	0.00	0.000	60.30	131.06	120.22	133.12
RHH8160C	BASE	10YR24HR	0.00	0.00	0.000	12.34	131.02	12.62	131.75
RHH8160C	BASE	233YR24HR	0.00	0.00	0.000	12.35	131.01	12.70	131.70
RHH8160C	BASE	25YR24HR	0.00	0.00	0.000	12.35	131.03	12.60	131.78
RHH8160C	BASE	500YR5DAY	0.00	0.00	-0.000	60.34	131.08	119.90	133.58
RHH8160C	BASE	50YR24HR	0.00	0.00	0.000	12.50	131.05	17.93	131.92
RHH8160D	BASE	100YR24HR	0.00	0.00	0.000	12.52	131.07	18.10	132.02
RHH8160D	BASE	100YR5DAY	0.00	0.00	0.000	60.30	131.06	120.22	133.12
RHH8160D	BASE	10YR24HR	0.00	0.00	0.000	12.34	131.02	17.70	131.63
RHH8160D	BASE	233YR24HR	0.00	0.00	0.000	12.35	131.01	17.05	131.43
RHH8160D	BASE	25YR24HR	0.00	0.00	0.000	12.35	131.03	17.86	131.76
RHH8160D	BASE	500YR5DAY	0.00	0.00	0.000	60.34	131.08	119.90	133.58
RHH8160D	BASE	50YR24HR	0.00	0.00	0.000	12.50	131.05	17.92	131.91
RHH8165A	BASE	100YR24HR	12.28	4.18	1.446	12.91	133.65	12.93	133.64
RHH8165A	BASE	100YR5DAY	60.33	1.59	-0.282	61.18	133.44	61.19	133.44
RHH8165A	BASE	10YR24HR	12.80	2.28	0.862	12.80	133.20	13.26	133.15
RHH8165A	BASE	233YR24HR	12.36	1.23	0.178	12.37	133.00	14.36	132.88
RHH8165A	BASE	25YR24HR	12.60	3.23	1.274	12.60	133.35	13.13	133.34
RHH8165A	BASE	500YR5DAY	61.63	2.68	-0.968	61.23	133.60	61.15	133.58
RHH8165A	BASE	50YR24HR	12.40	3.97	1.434	13.06	133.55	13.07	133.55
RHH8165B	BASE	100YR24HR	12.28	4.18	1.446	12.91	133.65	12.93	133.64
RHH8165B	BASE	100YR5DAY	60.33	1.59	-0.282	61.18	133.44	61.19	133.44

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8165B	BASE	10YR24HR	12.80	2.28	0.862	12.80	133.20	13.26	133.15
RHH8165B	BASE	233YR24HR	12.36	1.23	0.178	12.37	133.00	14.36	132.88
RHH8165B	BASE	25YR24HR	12.60	3.23	1.274	12.60	133.35	13.13	133.34
RHH8165B	BASE	500YR5DAY	61.63	2.68	-0.968	61.23	133.60	61.15	133.58
RHH8165B	BASE	50YR24HR	12.40	3.97	1.434	13.06	133.55	13.07	133.55
RHH8165C	BASE	100YR24HR	0.00	0.00	0.000	12.91	133.65	12.93	133.64
RHH8165C	BASE	100YR5DAY	0.00	0.00	0.000	61.18	133.44	61.19	133.44
RHH8165C	BASE	10YR24HR	0.00	0.00	0.000	12.80	133.20	13.26	133.15
RHH8165C	BASE	233YR24HR	0.00	0.00	0.000	12.37	133.00	14.36	132.88
RHH8165C	BASE	25YR24HR	0.00	0.00	0.000	12.60	133.35	13.13	133.34
RHH8165C	BASE	500YR5DAY	0.00	0.00	0.000	61.23	133.60	61.15	133.58
RHH8165C	BASE	50YR24HR	0.00	0.00	0.000	13.06	133.55	13.07	133.55
RHH8170	BASE	100YR24HR	0.00	0.00	0.000	61.01	134.54	66.43	132.64
RHH8170	BASE	100YR5DAY	63.65	0.44	0.001	63.65	134.73	120.19	133.13
RHH8170	BASE	10YR24HR	0.00	0.00	0.000	48.54	134.18	25.08	132.22
RHH8170	BASE	233YR24HR	0.00	0.00	0.000	41.75	133.97	24.72	132.03
RHH8170	BASE	25YR24HR	0.00	0.00	0.000	51.62	134.30	25.54	132.34
RHH8170	BASE	500YR5DAY	62.11	1.11	0.003	62.11	134.81	119.86	133.58
RHH8170	BASE	50YR24HR	0.00	0.00	0.000	55.11	134.45	52.85	132.51
RHH8170B	BASE	100YR24HR	0.00	0.00	0.000	61.01	134.54	12.48	135.57
RHH8170B	BASE	100YR5DAY	0.00	0.00	0.000	63.65	134.73	60.33	135.45
RHH8170B	BASE	10YR24HR	0.00	0.00	0.000	48.54	134.18	12.51	135.47
RHH8170B	BASE	233YR24HR	0.00	0.00	0.000	41.75	133.97	12.58	135.40
RHH8170B	BASE	25YR24HR	0.00	0.00	0.000	51.62	134.30	12.50	135.50
RHH8170B	BASE	500YR5DAY	0.00	0.00	0.000	62.11	134.81	60.31	135.48
RHH8170B	BASE	50YR24HR	0.00	0.00	0.000	55.11	134.45	12.49	135.54
RHH8170C	BASE	100YR24HR	0.00	0.00	0.000	61.01	134.54	12.93	133.64
RHH8170C	BASE	100YR5DAY	0.00	0.00	0.000	63.65	134.73	61.19	133.44
RHH8170C	BASE	10YR24HR	0.00	0.00	0.000	48.54	134.18	13.26	133.15
RHH8170C	BASE	233YR24HR	0.00	0.00	0.000	41.75	133.97	14.36	132.88
RHH8170C	BASE	25YR24HR	0.00	0.00	0.000	51.62	134.30	13.13	133.34
RHH8170C	BASE	500YR5DAY	0.00	0.00	0.000	62.11	134.81	61.15	133.58
RHH8170C	BASE	50YR24HR	0.00	0.00	0.000	55.11	134.45	13.07	133.55
RHH8175	BASE	100YR24HR	12.22	2.13	0.801	33.20	134.54	61.01	134.54
RHH8175	BASE	100YR5DAY	60.17	1.04	1.064	64.20	134.74	63.65	134.73
RHH8175	BASE	10YR24HR	12.22	1.34	0.305	12.24	134.23	48.54	134.18
RHH8175	BASE	233YR24HR	12.25	0.92	0.093	12.26	134.12	41.75	133.97
RHH8175	BASE	25YR24HR	12.22	1.59	0.483	51.62	134.30	51.62	134.30
RHH8175	BASE	500YR5DAY	60.17	1.25	0.797	62.08	134.81	62.11	134.81
RHH8175	BASE	50YR24HR	12.22	1.91	0.665	55.11	134.45	55.11	134.45
RHH81751A	BASE	100YR24HR	0.00	0.00	0.000	12.19	136.29	61.01	134.54
RHH81751A	BASE	100YR5DAY	0.00	0.00	0.000	60.17	136.23	63.65	134.73
RHH81751A	BASE	10YR24HR	0.00	0.00	0.000	12.20	136.25	48.54	134.18

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81751A	BASE	233YR24HR	0.00	0.00	0.000	12.22	136.22	41.75	133.97
RHH81751A	BASE	25YR24HR	0.00	0.00	0.000	12.20	136.27	51.62	134.30
RHH81751A	BASE	500YR5DAY	0.00	0.00	0.000	60.17	136.25	62.11	134.81
RHH81751A	BASE	50YR24HR	0.00	0.00	0.000	12.19	136.28	55.11	134.45
RHH81751B	BASE	100YR24HR	12.19	2.14	0.007	12.19	136.29	33.20	134.54
RHH81751B	BASE	100YR5DAY	60.17	1.06	0.002	60.17	136.23	64.20	134.74
RHH81751B	BASE	10YR24HR	12.20	1.34	0.003	12.20	136.25	12.24	134.23
RHH81751B	BASE	233YR24HR	12.22	0.92	0.002	12.22	136.22	12.26	134.12
RHH81751B	BASE	25YR24HR	12.20	1.59	0.004	12.20	136.27	51.62	134.30
RHH81751B	BASE	500YR5DAY	60.17	1.27	0.003	60.17	136.25	62.08	134.81
RHH81751B	BASE	50YR24HR	12.19	1.91	0.006	12.19	136.28	55.11	134.45
RHH81751C	BASE	100YR24HR	0.00	0.00	0.000	12.19	136.29	12.48	135.57
RHH81751C	BASE	100YR5DAY	0.00	0.00	0.000	60.17	136.23	60.33	135.45
RHH81751C	BASE	10YR24HR	0.00	0.00	0.000	12.20	136.25	12.51	135.47
RHH81751C	BASE	233YR24HR	0.00	0.00	0.000	12.22	136.22	12.58	135.40
RHH81751C	BASE	25YR24HR	0.00	0.00	0.000	12.20	136.27	12.50	135.50
RHH81751C	BASE	500YR5DAY	0.00	0.00	0.000	60.17	136.25	60.31	135.48
RHH81751C	BASE	50YR24HR	0.00	0.00	0.000	12.19	136.28	12.49	135.54
RHH8180A	BASE	100YR24HR	12.17	0.01	0.001	12.17	136.76	33.20	134.54
RHH8180A	BASE	100YR5DAY	60.17	0.00	-0.000	60.17	136.72	64.20	134.74
RHH8180A	BASE	10YR24HR	12.17	0.00	0.001	12.18	136.73	12.53	134.19
RHH8180A	BASE	233YR24HR	0.00	0.00	0.000	12.25	136.72	12.26	134.12
RHH8180A	BASE	25YR24HR	12.17	0.01	0.001	12.18	136.74	51.62	134.30
RHH8180A	BASE	500YR5DAY	60.12	0.00	-0.001	60.17	136.73	62.08	134.81
RHH8180A	BASE	50YR24HR	12.17	0.01	0.001	12.17	136.75	55.11	134.45
RHH8180B	BASE	100YR24HR	0.00	0.00	0.000	12.17	136.76	12.19	136.29
RHH8180B	BASE	100YR5DAY	0.00	0.00	0.000	60.17	136.72	60.17	136.23
RHH8180B	BASE	10YR24HR	0.00	0.00	0.000	12.18	136.73	12.20	136.25
RHH8180B	BASE	233YR24HR	0.00	0.00	0.000	12.25	136.72	12.22	136.22
RHH8180B	BASE	25YR24HR	0.00	0.00	0.000	12.18	136.74	12.20	136.27
RHH8180B	BASE	500YR5DAY	0.00	0.00	0.000	60.17	136.73	60.17	136.25
RHH8180B	BASE	50YR24HR	0.00	0.00	0.000	12.17	136.75	12.19	136.28
RHH8180C	BASE	100YR24HR	0.00	0.00	0.000	12.17	136.76	61.01	134.54
RHH8180C	BASE	100YR5DAY	0.00	0.00	0.000	60.17	136.72	63.65	134.73
RHH8180C	BASE	10YR24HR	0.00	0.00	0.000	12.18	136.73	48.54	134.18
RHH8180C	BASE	233YR24HR	0.00	0.00	0.000	12.25	136.72	41.75	133.97
RHH8180C	BASE	25YR24HR	0.00	0.00	0.000	12.18	136.74	51.62	134.30
RHH8180C	BASE	500YR5DAY	0.00	0.00	0.000	60.17	136.73	62.11	134.81
RHH8180C	BASE	50YR24HR	0.00	0.00	0.000	12.17	136.75	55.11	134.45
RHH8180D	BASE	100YR24HR	12.17	0.15	0.001	12.17	136.76	12.91	133.65
RHH8180D	BASE	100YR5DAY	60.17	0.05	0.000	60.17	136.72	61.18	133.44
RHH8180D	BASE	10YR24HR	12.18	0.07	0.000	12.18	136.73	12.80	133.20
RHH8180D	BASE	233YR24HR	12.25	0.03	0.000	12.25	136.72	12.37	133.00

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8180D	BASE	25YR24HR	12.18	0.10	0.000	12.18	136.74	12.60	133.35
RHH8180D	BASE	500YR5DAY	60.17	0.07	0.000	60.17	136.73	61.23	133.60
RHH8180D	BASE	50YR24HR	12.17	0.13	0.001	12.17	136.75	13.06	133.55
RHH8180E	BASE	100YR24HR	12.17	1.77	0.006	12.17	136.76	12.93	133.64
RHH8180E	BASE	100YR5DAY	60.17	0.94	0.001	60.17	136.72	61.19	133.44
RHH8180E	BASE	10YR24HR	12.18	1.14	0.003	12.18	136.73	13.26	133.15
RHH8180E	BASE	233YR24HR	12.25	0.81	0.002	12.25	136.72	14.36	132.88
RHH8180E	BASE	25YR24HR	12.18	1.34	0.003	12.18	136.74	13.13	133.34
RHH8180E	BASE	500YR5DAY	60.17	1.11	0.002	60.17	136.73	61.15	133.58
RHH8180E	BASE	50YR24HR	12.17	1.60	0.004	12.17	136.75	13.07	133.55
RHH8181A	BASE	100YR24HR	0.00	0.00	0.000	15.27	131.94	18.00	132.02
RHH8181A	BASE	100YR5DAY	0.00	0.00	0.000	63.48	131.96	120.22	133.12
RHH8181A	BASE	10YR24HR	0.00	0.00	0.000	15.21	131.76	17.36	131.65
RHH8181A	BASE	233YR24HR	0.00	0.00	0.000	15.27	131.65	13.91	131.47
RHH8181A	BASE	25YR24HR	0.00	0.00	0.000	15.16	131.82	17.64	131.77
RHH8181A	BASE	500YR5DAY	0.00	0.00	0.000	63.38	132.04	119.89	133.58
RHH8181A	BASE	50YR24HR	0.00	0.00	0.000	15.13	131.89	17.80	131.92
RHH8181B_CD09	BASE	100YR24HR	12.48	5.32	2.576	15.27	131.94	18.00	132.02
RHH8181B_CD09	BASE	100YR5DAY	59.07	5.16	2.576	63.48	131.96	120.22	133.12
RHH8181B_CD09	BASE	10YR24HR	13.75	5.58	2.576	15.21	131.76	17.36	131.65
RHH8181B_CD09	BASE	233YR24HR	15.33	5.71	2.576	15.27	131.65	13.91	131.47
RHH8181B_CD09	BASE	25YR24HR	13.22	5.43	2.576	15.16	131.82	17.64	131.77
RHH8181B_CD09	BASE	500YR5DAY	36.92	5.05	2.576	63.38	132.04	119.89	133.58
RHH8181B_CD09	BASE	50YR24HR	12.67	5.34	2.576	15.13	131.89	17.80	131.92
RHH8181C_CD09	BASE	100YR24HR	12.48	5.32	2.576	15.27	131.94	18.00	132.02
RHH8181C_CD09	BASE	100YR5DAY	59.07	5.16	2.576	63.48	131.96	120.22	133.12
RHH8181C_CD09	BASE	10YR24HR	13.75	5.58	2.576	15.21	131.76	17.36	131.65
RHH8181C_CD09	BASE	233YR24HR	15.33	5.71	2.576	15.27	131.65	13.91	131.47
RHH8181C_CD09	BASE	25YR24HR	13.22	5.43	2.576	15.16	131.82	17.64	131.77
RHH8181C_CD09	BASE	500YR5DAY	36.92	5.05	2.576	63.38	132.04	119.89	133.58
RHH8181C_CD09	BASE	50YR24HR	12.67	5.34	2.576	15.13	131.89	17.80	131.92
RHH8181D	BASE	100YR24HR	15.27	84.84	-4.877	15.27	131.94	0.00	131.50
RHH8181D	BASE	100YR5DAY	63.48	92.20	-4.877	63.48	131.96	0.00	131.50
RHH8181D	BASE	10YR24HR	15.21	39.11	-4.877	15.21	131.76	0.00	131.50
RHH8181D	BASE	233YR24HR	15.27	20.71	-4.877	15.27	131.65	0.00	131.50
RHH8181D	BASE	25YR24HR	15.16	52.68	-4.877	15.16	131.82	0.00	131.50
RHH8181D	BASE	500YR5DAY	63.38	121.11	-4.877	63.38	132.04	0.00	131.50
RHH8181D	BASE	50YR24HR	15.13	71.11	-4.877	15.13	131.89	0.00	131.50
RHH8190	BASE	100YR24HR	0.00	-8.64	-8.641	15.02	130.49	15.09	131.79
RHH8190	BASE	100YR5DAY	0.00	-8.64	-8.641	96.51	130.70	96.84	132.32
RHH8190	BASE	10YR24HR	0.00	-8.64	-8.641	15.03	130.34	15.03	131.44
RHH8190	BASE	233YR24HR	0.00	-8.64	-8.641	15.06	130.26	15.06	131.25
RHH8190	BASE	25YR24HR	0.00	-8.64	-8.641	14.77	130.39	15.11	131.56

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8190	BASE	500YR5DAY	0.00	-8.64	-8.641	113.52	130.80	119.30	132.58
RHH8190	BASE	50YR24HR	0.00	-8.64	-8.641	14.75	130.45	15.09	131.70
RHH8190B	BASE	100YR24HR	0.00	0.00	0.000	0.00	129.00	13.19	133.76
RHH8190B	BASE	100YR5DAY	0.00	0.00	0.000	0.00	129.00	61.37	133.71
RHH8190B	BASE	10YR24HR	0.00	0.00	0.000	0.00	129.00	13.30	133.62
RHH8190B	BASE	233YR24HR	0.00	0.00	0.000	0.00	129.00	13.31	133.53
RHH8190B	BASE	25YR24HR	0.00	0.00	0.000	0.00	129.00	13.30	133.67
RHH8190B	BASE	500YR5DAY	0.00	0.00	0.000	0.00	129.00	61.35	133.76
RHH8190B	BASE	50YR24HR	0.00	0.00	0.000	0.00	129.00	13.22	133.73
RO14131	BASE	100YR24HR	0.00	0.00	0.000	22.54	133.92	22.62	133.23
RO14131	BASE	100YR5DAY	0.00	0.00	0.000	60.65	133.99	66.14	133.64
RO14131	BASE	10YR24HR	0.00	0.00	0.000	25.00	133.24	16.37	131.89
RO14131	BASE	233YR24HR	0.00	0.00	0.000	25.00	132.72	13.87	131.52
RO14131	BASE	25YR24HR	0.00	0.00	0.000	25.00	133.52	21.67	132.27
RO14131	BASE	500YR5DAY	0.00	0.00	0.000	60.02	134.02	66.68	133.94
RO14131	BASE	50YR24HR	0.00	0.00	0.000	25.00	133.83	22.83	133.12
RO14136A	BASE	100YR24HR	0.00	0.00	0.000	20.89	134.72	22.17	133.25
RO14136A	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	66.00	133.66
RO14136A	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	15.83	132.93
RO14136A	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	22.50	132.82
RO14136A	BASE	25YR24HR	0.00	0.00	0.000	24.41	134.51	15.00	133.00
RO14136A	BASE	500YR5DAY	0.00	0.00	0.000	65.40	135.48	66.67	133.95
RO14136A	BASE	50YR24HR	0.00	0.00	0.000	23.85	134.63	22.33	133.15
RO14136B	BASE	100YR24HR	20.89	0.53	0.024	12.21	134.76	12.23	135.35
RO14136B	BASE	100YR5DAY	64.53	1.29	0.027	64.53	135.07	55.50	135.08
RO14136B	BASE	10YR24HR	24.99	0.05	-0.005	12.13	134.61	15.01	135.08
RO14136B	BASE	233YR24HR	0.00	0.00	-0.002	12.14	134.47	12.14	134.66
RO14136B	BASE	25YR24HR	24.41	0.19	-0.006	12.16	134.67	12.16	135.10
RO14136B	BASE	500YR5DAY	64.07	2.19	-0.030	65.40	135.48	47.06	135.08
RO14136B	BASE	50YR24HR	23.85	0.38	0.010	12.18	134.73	12.20	135.26
RO14136C	BASE	100YR24HR	0.00	0.00	0.000	20.89	134.72	22.54	133.92
RO14136C	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	60.65	133.99
RO14136C	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	25.00	133.24
RO14136C	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	25.00	132.72
RO14136C	BASE	25YR24HR	0.00	0.00	0.000	24.41	134.51	25.00	133.52
RO14136C	BASE	500YR5DAY	0.00	0.00	0.000	65.40	135.48	60.02	134.02
RO14136C	BASE	50YR24HR	0.00	0.00	0.000	23.85	134.63	25.00	133.83
RO14136D	BASE	100YR24HR	0.00	0.00	0.000	20.89	134.72	12.42	135.53
RO14136D	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	60.34	135.50
RO14136D	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	12.46	135.50
RO14136D	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	12.48	135.48
RO14136D	BASE	25YR24HR	0.00	0.00	0.000	24.41	134.51	12.45	135.51
RO14136D	BASE	500YR5DAY	0.00	0.00	0.000	65.40	135.48	60.33	135.51

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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RO14136D	BASE	50YR24HR	0.00	0.00	0.000	23.85	134.63	12.43	135.52
RO14211	BASE	100YR24HR	12.60	27.87	0.112	12.60	133.52	22.62	133.23
RO14211	BASE	100YR5DAY	60.35	19.78	-0.241	66.15	133.64	66.14	133.64
RO14211	BASE	10YR24HR	12.73	10.05	0.027	12.73	133.40	16.37	131.89
RO14211	BASE	233YR24HR	13.04	4.94	0.009	13.04	133.34	13.87	131.52
RO14211	BASE	25YR24HR	12.74	15.26	0.047	12.74	133.44	21.67	132.27
RO14211	BASE	500YR5DAY	60.32	23.96	-0.559	66.72	133.94	66.68	133.94
RO14211	BASE	50YR24HR	12.64	22.79	0.081	12.64	133.49	22.83	133.12
RO14212A	BASE	100YR24HR	0.00	0.00	0.000	12.75	134.47	22.62	133.23
RO14212A	BASE	100YR5DAY	0.00	0.00	0.000	60.51	134.32	66.14	133.64
RO14212A	BASE	10YR24HR	0.00	0.00	0.000	12.50	133.23	16.37	131.89
RO14212A	BASE	233YR24HR	0.00	0.00	0.000	12.43	133.00	13.87	131.52
RO14212A	BASE	25YR24HR	0.00	0.00	0.000	12.51	133.45	21.67	132.27
RO14212A	BASE	500YR5DAY	0.00	0.00	0.000	64.70	135.40	66.68	133.94
RO14212A	BASE	50YR24HR	0.00	0.00	0.000	12.55	134.09	22.83	133.12
RO14212B	BASE	100YR24HR	12.75	6.65	-0.151	12.75	134.47	0.83	133.27
RO14212B	BASE	100YR5DAY	60.51	6.29	-0.038	60.51	134.32	66.14	133.64
RO14212B	BASE	10YR24HR	12.50	3.34	0.008	12.50	133.23	1.17	133.27
RO14212B	BASE	233YR24HR	12.43	2.31	0.005	12.43	133.00	1.83	133.27
RO14212B	BASE	25YR24HR	12.51	4.24	0.010	12.51	133.45	1.00	133.27
RO14212B	BASE	500YR5DAY	60.56	7.63	-0.169	64.70	135.40	66.68	133.94
RO14212B	BASE	50YR24HR	12.55	5.70	-0.115	12.55	134.09	0.83	133.27
RO14220	BASE	100YR24HR	0.00	0.00	0.539	22.62	133.23	22.17	133.25
RO14220	BASE	100YR5DAY	0.00	0.00	4.014	66.14	133.64	66.00	133.66
RO14220	BASE	10YR24HR	0.00	0.00	-0.023	16.37	131.89	15.83	132.93
RO14220	BASE	233YR24HR	0.00	0.00	-0.003	13.87	131.52	22.50	132.82
RO14220	BASE	25YR24HR	0.00	0.00	-0.066	21.67	132.27	15.00	133.00
RO14220	BASE	500YR5DAY	0.00	0.00	5.043	66.68	133.94	66.67	133.95
RO14220	BASE	50YR24HR	0.00	0.00	-0.232	22.83	133.12	22.33	133.15
RO14220A	BASE	100YR24HR	0.00	0.00	0.000	22.62	133.23	0.00	131.00
RO14220A	BASE	100YR5DAY	0.00	0.00	0.000	66.14	133.64	0.00	131.00
RO14220A	BASE	10YR24HR	0.00	0.00	0.000	16.37	131.89	0.00	131.00
RO14220A	BASE	233YR24HR	0.00	0.00	0.000	13.87	131.52	0.00	131.00
RO14220A	BASE	25YR24HR	0.00	0.00	0.000	21.67	132.27	0.00	131.00
RO14220A	BASE	500YR5DAY	0.00	0.00	0.000	66.68	133.94	0.00	131.00
RO14220A	BASE	50YR24HR	0.00	0.00	0.000	22.83	133.12	0.00	131.00
RO14220B_CD04	BASE	100YR24HR	22.62	116.29	3.985	22.62	133.23	20.79	131.41
RO14220B_CD04	BASE	100YR5DAY	66.14	136.29	3.985	66.14	133.64	65.00	131.59
RO14220B_CD04	BASE	10YR24HR	16.37	59.98	0.297	16.37	131.89	0.00	131.00
RO14220B_CD04	BASE	233YR24HR	13.87	44.01	0.297	13.87	131.52	0.00	131.00
RO14220B_CD04	BASE	25YR24HR	21.67	73.49	0.297	21.67	132.27	0.00	131.00
RO14220B_CD04	BASE	500YR5DAY	66.68	151.22	3.985	66.68	133.94	65.65	131.72
RO14220B_CD04	BASE	50YR24HR	22.83	110.96	3.985	22.83	133.12	20.70	131.36

Dewberry Engineers, Inc.  
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Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RO14230A	BASE	100YR24HR	0.00	0.00	0.000	12.23	135.35	22.54	133.92
RO14230A	BASE	100YR5DAY	0.00	0.00	0.000	61.03	134.74	60.65	133.99
RO14230A	BASE	10YR24HR	0.00	0.00	0.000	12.13	134.94	25.00	133.24
RO14230A	BASE	233YR24HR	0.00	0.00	0.000	12.14	134.66	25.00	132.72
RO14230A	BASE	25YR24HR	0.00	0.00	0.000	12.16	135.10	25.00	133.52
RO14230A	BASE	500YR5DAY	0.00	0.00	0.000	61.04	134.99	60.02	134.02
RO14230A	BASE	50YR24HR	0.00	0.00	0.000	12.20	135.26	25.00	133.83
RO14230B	BASE	100YR24HR	0.00	0.00	0.000	12.23	135.35	22.62	133.23
RO14230B	BASE	100YR5DAY	0.00	0.00	0.000	61.03	134.74	66.14	133.64
RO14230B	BASE	10YR24HR	0.00	0.00	0.000	12.13	134.94	16.37	131.89
RO14230B	BASE	233YR24HR	0.00	0.00	0.000	12.14	134.66	13.87	131.52
RO14230B	BASE	25YR24HR	0.00	0.00	0.000	12.16	135.10	21.67	132.27
RO14230B	BASE	500YR5DAY	0.00	0.00	0.000	61.04	134.99	66.68	133.94
RO14230B	BASE	50YR24HR	0.00	0.00	0.000	12.20	135.26	22.83	133.12
RO14230C	BASE	100YR24HR	12.23	4.00	-0.014	12.23	135.35	0.01	134.44
RO14230C	BASE	100YR5DAY	61.03	2.55	0.004	61.03	134.74	0.01	134.44
RO14230C	BASE	10YR24HR	12.13	3.04	0.007	12.13	134.94	0.01	134.44
RO14230C	BASE	233YR24HR	12.14	2.35	0.005	12.14	134.66	0.02	134.44
RO14230C	BASE	25YR24HR	12.16	3.43	0.008	12.16	135.10	0.01	134.44
RO14230C	BASE	500YR5DAY	61.04	3.17	0.005	61.04	134.99	0.01	134.44
RO14230C	BASE	50YR24HR	12.20	3.79	-0.014	12.20	135.26	0.01	134.44
RO14230D	BASE	100YR24HR	0.00	0.00	0.000	20.89	134.72	12.23	135.35
RO14230D	BASE	100YR5DAY	0.00	0.00	0.000	64.53	135.07	61.03	134.74
RO14230D	BASE	10YR24HR	0.00	0.00	0.000	24.99	134.38	12.13	134.94
RO14230D	BASE	233YR24HR	0.00	0.00	0.000	26.50	134.11	12.14	134.66
RO14230D	BASE	25YR24HR	0.00	0.00	0.000	24.41	134.51	12.16	135.10
RO14230D	BASE	500YR5DAY	0.00	0.00	0.000	65.40	135.48	61.04	134.99
RO14230D	BASE	50YR24HR	0.00	0.00	0.000	23.85	134.63	12.20	135.26
RO14240A	BASE	100YR24HR	0.00	0.00	-0.000	12.39	133.54	22.54	133.92
RO14240A	BASE	100YR5DAY	0.00	0.00	-0.024	66.13	133.64	60.65	133.99
RO14240A	BASE	10YR24HR	0.00	0.00	0.000	12.82	133.45	25.00	133.24
RO14240A	BASE	233YR24HR	0.00	0.00	0.000	14.01	133.36	25.00	132.72
RO14240A	BASE	25YR24HR	0.00	0.00	0.000	12.60	133.48	25.00	133.52
RO14240A	BASE	500YR5DAY	0.00	0.00	-0.038	66.71	133.94	60.02	134.02
RO14240A	BASE	50YR24HR	0.00	0.00	0.000	12.45	133.52	25.00	133.83
RO14240B	BASE	100YR24HR	12.39	3.59	0.023	12.39	133.54	22.62	133.23
RO14240B	BASE	100YR5DAY	60.83	4.58	0.018	66.13	133.64	66.14	133.64
RO14240B	BASE	10YR24HR	12.82	1.29	0.006	12.82	133.45	16.37	131.89
RO14240B	BASE	233YR24HR	14.01	0.22	0.000	14.01	133.36	13.87	131.52
RO14240B	BASE	25YR24HR	12.60	2.06	0.014	12.60	133.48	21.67	132.27
RO14240B	BASE	500YR5DAY	60.10	7.70	0.037	66.71	133.94	66.68	133.94
RO14240B	BASE	50YR24HR	12.45	3.00	0.020	12.45	133.52	22.83	133.12

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RO14250A	BASE	100YR24HR	0.00	0.00	0.000	12.42	135.53	22.54	133.92
RO14250A	BASE	100YR5DAY	0.00	0.00	0.000	60.34	135.50	60.65	133.99
RO14250A	BASE	10YR24HR	0.00	0.00	0.000	12.46	135.50	25.00	133.24
RO14250A	BASE	233YR24HR	0.00	0.00	0.000	12.48	135.48	25.00	132.72
RO14250A	BASE	25YR24HR	0.00	0.00	0.000	12.45	135.51	25.00	133.52
RO14250A	BASE	500YR5DAY	0.00	0.00	0.000	60.33	135.51	60.02	134.02
RO14250A	BASE	50YR24HR	0.00	0.00	0.000	12.43	135.52	25.00	133.83
RO14250B	BASE	100YR24HR	0.00	0.00	0.000	12.42	135.53	22.17	133.25
RO14250B	BASE	100YR5DAY	0.00	0.00	0.000	60.34	135.50	66.00	133.66
RO14250B	BASE	10YR24HR	0.00	0.00	0.000	12.46	135.50	15.83	132.93
RO14250B	BASE	233YR24HR	0.00	0.00	0.000	12.48	135.48	22.50	132.82
RO14250B	BASE	25YR24HR	0.00	0.00	0.000	12.45	135.51	15.00	133.00
RO14250B	BASE	500YR5DAY	0.00	0.00	0.000	60.33	135.51	66.67	133.95
RO14250B	BASE	50YR24HR	0.00	0.00	0.000	12.43	135.52	22.33	133.15
RO14250C	BASE	100YR24HR	12.42	5.44	0.020	12.42	135.53	22.62	133.23
RO14250C	BASE	100YR5DAY	60.34	3.03	0.005	60.34	135.50	66.14	133.64
RO14250C	BASE	10YR24HR	12.46	3.35	0.009	12.46	135.50	16.37	131.89
RO14250C	BASE	233YR24HR	12.48	2.29	0.005	12.48	135.48	13.87	131.52
RO14250C	BASE	25YR24HR	12.45	4.01	0.011	12.45	135.51	21.67	132.27
RO14250C	BASE	500YR5DAY	60.33	3.63	0.006	60.33	135.51	66.68	133.94
RO14250C	BASE	50YR24HR	12.43	4.83	0.016	12.43	135.52	22.83	133.12

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BNDRY20	BASE	100YR24HR	0.00	131.00	141.74	0.0000	906	24.23	291.10	0.00	0.00
BNDRY22	BASE	100YR24HR	12.90	133.02	140.62	0.0013	65238	12.67	18.04	12.90	17.63
BNDRY23	BASE	100YR24HR	0.00	131.00	140.56	0.0000	340	18.08	67.37	0.00	0.00
BNDRY25	BASE	100YR24HR	0.00	131.50	132.00	0.0000	0	15.27	84.84	0.00	0.00
BNDRY26	BASE	100YR24HR	0.00	131.00	135.00	0.0000	0	12.90	17.63	0.00	0.00
NH8000	BASE	100YR24HR	28.33	133.24	142.00	0.0007	1350	0.00	0.00	28.33	199.57
NH8105	BASE	100YR24HR	33.24	133.14	141.79	0.0008	10045127	12.33	846.94	31.29	197.29
NHH8102	BASE	100YR24HR	33.24	133.14	142.00	0.0008	181477	12.67	5.51	42.84	0.91
NHH81052	BASE	100YR24HR	12.29	133.43	143.12	0.0007	1916	12.17	0.85	12.28	0.79
NHH81053	BASE	100YR24HR	12.36	135.67	146.00	0.0016	671	12.17	3.57	12.20	3.49
NHH81054	BASE	100YR24HR	12.61	135.97	143.84	0.0025	5657	12.33	4.72	12.60	4.11
NHH8116	BASE	100YR24HR	66.43	132.64	140.85	0.0009	48244703	12.33	4409.03	66.43	45.21
NHH81161	BASE	100YR24HR	30.17	136.60	145.59	0.0015	25044	12.83	0.63	0.00	0.00
NHH8117	BASE	100YR24HR	66.47	132.64	140.74	0.0009	6686495	12.33	730.32	12.69	148.06
NHH81171	BASE	100YR24HR	22.21	133.25	143.77	0.0013	32920	13.00	12.74	13.21	11.29
NHH81172	BASE	100YR24HR	12.53	133.15	143.00	0.0033	1942	12.50	3.07	12.60	3.06
NHH81173	BASE	100YR24HR	12.50	133.40	138.00	0.0025	3572	12.12	1.08	0.00	0.00
NHH8118	BASE	100YR24HR	18.10	132.02	138.91	0.0011	5771579	12.50	593.40	18.31	63.32
NHH81180	BASE	100YR24HR	18.00	132.02	135.00	0.0008	898502	13.00	109.43	13.46	63.95
NHH81181	BASE	100YR24HR	15.14	132.38	141.71	0.0018	134301	12.67	17.38	0.00	0.00
NHH811811	BASE	100YR24HR	12.16	132.77	135.00	0.0030	22426	12.00	10.37	12.16	8.89
NHH81182	BASE	100YR24HR	18.10	132.02	141.00	0.0011	70132	12.50	6.92	12.50	1.64
NHH811821	BASE	100YR24HR	12.49	132.30	136.00	0.0004	21633	12.11	1.08	0.00	0.00
NHH81183	BASE	100YR24HR	18.09	132.02	141.20	0.0006	328220	12.83	50.18	12.94	44.88
NHH811831	BASE	100YR24HR	12.72	132.43	135.00	0.0005	87734	12.50	25.23	12.72	24.26
NHH81184	BASE	100YR24HR	12.41	133.57	138.00	0.0004	4238	12.33	3.64	12.41	3.61
NHH811841	BASE	100YR24HR	12.82	133.43	143.42	-0.0049	448	12.77	10.01	12.79	10.01
NHH81185	BASE	100YR24HR	12.36	135.09	144.90	0.0005	4696	12.33	6.73	12.36	6.69
NHH811851	BASE	100YR24HR	12.72	134.00	144.90	0.0040	489	12.84	13.62	12.86	13.64
NHH81186	BASE	100YR24HR	13.19	133.76	143.25	0.0010	28061	12.86	12.28	13.19	11.70
NHH811861	BASE	100YR24HR	15.09	131.79	143.25	0.0015	488	13.00	-4.45	13.00	-4.49
NHH81187	BASE	100YR24HR	12.57	133.80	143.51	0.0007	23687	12.33	8.09	12.57	7.75
NHH811871	BASE	100YR24HR	17.94	131.66	143.51	-0.0100	460	17.95	63.83	17.94	63.83
NHH81188	BASE	100YR24HR	12.53	131.06	143.28	0.0098	887	12.68	10.05	12.53	7.01
NHH8119	BASE	100YR24HR	14.81	132.90	141.64	0.0015	64409	12.17	11.23	14.81	1.66
NHH81192	BASE	100YR24HR	25.00	132.67	141.66	0.0012	80596	12.00	11.27	0.00	0.00
NHH8120	BASE	100YR24HR	12.48	135.57	145.17	0.0010	18280	12.33	7.85	12.48	7.25
NHH8125	BASE	100YR24HR	12.85	134.18	142.28	0.0039	35021	12.17	17.32	13.27	9.79
NHH8130	BASE	100YR24HR	12.17	135.25	145.00	0.0003	10364	12.17	5.44	12.17	5.40
NHH8135	BASE	100YR24HR	12.35	136.51	145.44	0.0004	10055	12.17	1.80	12.35	1.63
NHH8140	BASE	100YR24HR	12.23	134.61	144.50	0.0003	4289	12.17	2.48	12.23	2.45
NHH8145	BASE	100YR24HR	12.93	133.64	139.77	0.0029	43812	12.28	18.20	12.98	9.11
NHH8150	BASE	100YR24HR	12.55	134.27	143.14	0.0022	5994	12.33	5.55	12.54	5.22
NHH8155	BASE	100YR24HR	18.12	132.02	140.60	0.0007	69068	12.17	11.84	12.57	9.01
NHH8160	BASE	100YR24HR	12.52	131.07	138.57	-0.0055	1315	12.33	2.35	12.68	5.49
NHH8165	BASE	100YR24HR	12.91	133.65	142.49	-0.0099	564	12.33	5.82	12.28	8.36
NHH8170	BASE	100YR24HR	61.01	134.54	144.64	0.0012	43076	12.09	5.01	0.00	0.00
NHH8175	BASE	100YR24HR	33.20	134.54	146.13	-0.0084	400	12.19	2.15	12.22	2.13
NHH81751	BASE	100YR24HR	12.19	136.29	143.64	0.0004	1178	12.17	2.15	12.19	2.14

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8180	BASE	100YR24HR	12.17	136.76	140.00	0.0002	395	12.17	1.94	12.17	1.94
NHH8181	BASE	100YR24HR	15.27	131.94	135.00	0.0007	3339188	12.67	231.55	14.44	86.15
NHH8190	BASE	100YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	100YR24HR	22.17	133.25	142.00	0.0010	538	11.67	2.20	0.00	0.00
NO14131	BASE	100YR24HR	22.54	133.92	142.00	0.0032	38236	12.00	11.24	0.00	0.00
NO14136	BASE	100YR24HR	20.89	134.72	144.00	0.0016	105004	12.17	14.81	20.89	0.53
NO14211	BASE	100YR24HR	12.60	133.52	143.00	0.0009	160572	12.33	33.96	12.60	27.87
NO14212	BASE	100YR24HR	12.75	134.47	140.00	-0.0095	3801	12.50	7.12	12.75	6.65
NO14220	BASE	100YR24HR	22.62	133.23	141.00	0.0020	1919985	12.50	263.16	49.00	44.10
NO14230	BASE	100YR24HR	12.23	135.35	145.00	-0.0058	5296	12.00	5.34	12.23	4.00
NO14240	BASE	100YR24HR	12.39	133.54	142.00	0.0011	18663	12.17	4.35	12.39	3.59
NO14250	BASE	100YR24HR	12.42	135.53	145.00	0.0004	16858	12.33	5.54	12.42	5.44
POND5	BASE	100YR24HR	13.85	133.75	134.00	0.0035	89401	12.67	47.41	13.43	27.48
POND6	BASE	100YR24HR	13.75	133.31	134.00	0.0024	94039	12.67	41.69	13.52	26.49
POND7	BASE	100YR24HR	13.59	133.40	134.00	0.0024	69417	12.67	38.45	13.43	27.97
POND8	BASE	100YR24HR	14.36	134.31	134.30	0.0030	85018	13.00	38.25	14.31	25.74
BNDRY20	BASE	100YR5DAY	0.00	131.00	141.74	0.0000	906	67.52	326.98	0.00	0.00
BNDRY22	BASE	100YR5DAY	61.12	132.98	140.62	0.0002	63789	60.98	13.35	61.12	13.33
BNDRY23	BASE	100YR5DAY	0.00	131.00	140.56	0.0000	340	96.43	81.52	0.00	0.00
BNDRY25	BASE	100YR5DAY	0.00	131.50	132.00	0.0000	0	63.48	92.20	0.00	0.00
BNDRY26	BASE	100YR5DAY	0.00	131.00	135.00	0.0000	0	61.12	13.33	0.00	0.00
NH8000	BASE	100YR5DAY	96.50	133.70	142.00	0.0004	1350	0.00	0.00	98.33	338.66
NH8105	BASE	100YR5DAY	96.64	133.47	141.79	0.0004	10325592	60.17	567.85	96.41	353.68
NHH8102	BASE	100YR5DAY	96.63	133.47	142.00	0.0004	185025	60.33	6.10	96.55	2.17
NHH81052	BASE	100YR5DAY	96.64	133.47	143.12	0.0002	1888	60.00	0.40	60.17	0.39
NHH81053	BASE	100YR5DAY	60.23	135.48	146.00	0.0004	636	60.17	1.80	60.17	1.80
NHH81054	BASE	100YR5DAY	60.45	135.67	143.84	0.0008	4808	60.17	2.56	60.43	2.46
NHH8116	BASE	100YR5DAY	120.19	133.13	140.85	0.0005	50132031	60.17	2507.19	120.19	51.50
NHH81161	BASE	100YR5DAY	65.04	136.85	145.59	0.0005	33970	63.50	1.05	65.04	0.86
NHH8117	BASE	100YR5DAY	120.19	133.12	140.74	0.0005	7619899	60.17	452.88	60.38	115.00
NHH81171	BASE	100YR5DAY	66.02	133.66	143.77	0.0007	38087	61.00	10.21	61.56	8.53
NHH81172	BASE	100YR5DAY	60.38	132.77	143.00	0.0009	1079	60.33	1.80	60.40	1.80
NHH81173	BASE	100YR5DAY	60.35	133.12	138.00	0.0007	3575	59.50	0.27	0.00	0.00
NHH8118	BASE	100YR5DAY	120.22	133.12	138.91	0.0006	6529165	60.33	375.44	61.19	55.16
NHH81180	BASE	100YR5DAY	120.22	133.12	135.00	0.0006	1539735	61.10	87.86	61.55	49.40
NHH81181	BASE	100YR5DAY	120.25	133.12	141.71	0.0011	267728	60.50	11.06	0.00	0.00
NHH811811	BASE	100YR5DAY	120.22	133.12	135.00	0.0001	32357	60.00	3.97	60.00	3.96
NHH81182	BASE	100YR5DAY	120.22	133.12	141.00	0.0006	94548	60.33	4.19	59.95	0.91
NHH811821	BASE	100YR5DAY	120.22	133.12	136.00	0.0002	27154	65.17	0.50	165.26	0.03
NHH81183	BASE	100YR5DAY	120.22	133.12	141.20	0.0006	585962	60.83	36.33	60.04	23.61
NHH811831	BASE	100YR5DAY	120.24	133.12	135.00	0.0002	237842	60.33	17.96	60.57	17.71
NHH81184	BASE	100YR5DAY	60.34	133.52	138.00	0.0001	3899	60.33	2.05	60.34	2.05
NHH811841	BASE	100YR5DAY	61.14	133.27	143.42	0.0068	448	61.14	8.28	61.14	8.28
NHH81185	BASE	100YR5DAY	60.19	135.02	144.90	0.0001	2851	60.17	3.60	60.19	3.59
NHH811851	BASE	100YR5DAY	61.11	133.50	144.90	-0.0055	615	60.48	9.88	60.49	9.86
NHH81186	BASE	100YR5DAY	61.37	133.71	143.25	0.0004	26210	61.17	10.04	61.37	9.96
NHH811861	BASE	100YR5DAY	96.84	132.32	143.25	0.0014	486	60.82	-6.88	60.82	-6.91
NHH81187	BASE	100YR5DAY	60.43	133.73	143.51	0.0002	21596	60.33	4.78	60.43	4.71
NHH811871	BASE	100YR5DAY	119.90	132.12	143.51	0.0099	212	119.92	79.05	119.90	79.05



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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH81188	BASE	100YR5DAY	60.41	131.05	143.28	0.0100	891	60.18	9.67	60.41	6.67
NHH8119	BASE	100YR5DAY	63.05	133.06	141.64	0.0008	65457	60.00	6.71	63.05	1.99
NHH81192	BASE	100YR5DAY	121.00	133.40	141.66	0.0006	87894	60.00	5.66	0.00	0.00
NHH8120	BASE	100YR5DAY	60.33	135.45	145.17	0.0003	16705	60.17	4.17	60.33	4.04
NHH8125	BASE	100YR5DAY	61.00	133.60	142.28	0.0011	25034	60.04	8.34	60.70	6.56
NHH8130	BASE	100YR5DAY	60.02	135.21	145.00	0.0001	9978	60.00	2.44	60.02	2.42
NHH8135	BASE	100YR5DAY	60.21	136.47	145.44	0.0001	9282	60.00	0.86	60.21	0.83
NHH8140	BASE	100YR5DAY	60.17	134.57	144.50	0.0001	4021	60.17	1.25	60.17	1.25
NHH8145	BASE	100YR5DAY	61.19	133.44	139.77	0.0008	37852	60.17	8.17	61.29	6.48
NHH8150	BASE	100YR5DAY	60.24	134.02	143.14	0.0008	1459	60.17	3.43	60.22	3.41
NHH8155	BASE	100YR5DAY	120.22	133.12	140.60	0.0004	84817	60.00	6.96	60.35	6.31
NHH8160	BASE	100YR5DAY	60.30	131.06	138.57	0.0056	1315	61.16	2.41	60.18	5.56
NHH8165	BASE	100YR5DAY	61.18	133.44	142.49	-0.0025	530	60.17	3.21	60.33	3.17
NHH8170	BASE	100YR5DAY	63.65	134.73	144.64	0.0005	45118	60.00	2.34	63.65	0.44
NHH8175	BASE	100YR5DAY	64.20	134.74	146.13	-0.0053	408	60.17	1.06	60.17	1.04
NHH81751	BASE	100YR5DAY	60.17	136.23	143.64	0.0002	1157	60.16	1.06	60.17	1.06
NHH8180	BASE	100YR5DAY	60.17	136.72	140.00	0.0001	380	60.17	0.99	60.17	0.99
NHH8181	BASE	100YR5DAY	63.48	131.96	135.00	0.0004	3410060	60.50	157.48	63.09	83.01
NHH8190	BASE	100YR5DAY	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	100YR5DAY	66.00	133.66	142.00	0.0006	480	30.83	0.80	0.00	0.00
NO14131	BASE	100YR5DAY	60.65	133.99	142.00	0.0011	39114	59.95	4.58	0.00	0.00
NO14136	BASE	100YR5DAY	64.53	135.07	144.00	0.0007	112993	60.16	7.18	64.53	1.29
NO14211	BASE	100YR5DAY	66.15	133.64	143.00	0.0006	167732	60.17	21.00	60.35	19.78
NO14212	BASE	100YR5DAY	60.51	134.32	140.00	0.0091	2655	60.33	6.43	60.51	6.29
NO14220	BASE	100YR5DAY	66.14	133.64	141.00	0.0024	2065328	60.33	183.16	62.26	53.32
NO14230	BASE	100YR5DAY	61.03	134.74	145.00	0.0012	1322	61.00	2.59	61.03	2.55
NO14240	BASE	100YR5DAY	66.13	133.64	142.00	0.0006	20398	60.00	2.00	59.96	1.83
NO14250	BASE	100YR5DAY	60.34	135.50	145.00	0.0001	15779	60.17	3.04	60.34	3.03
POND5	BASE	100YR5DAY	62.72	134.27	134.00	0.0017	91918	60.50	36.24	62.49	23.17
POND6	BASE	100YR5DAY	62.37	133.36	134.00	0.0012	94368	60.67	28.24	61.83	21.60
POND7	BASE	100YR5DAY	62.15	133.39	134.00	0.0012	69366	60.67	26.60	61.72	22.22
POND8	BASE	100YR5DAY	62.48	134.35	134.30	0.0015	85232	61.17	31.02	62.42	26.41
BNDRY20	BASE	10YR24HR	0.00	131.00	141.74	0.0000	906	17.67	208.86	0.00	0.00
BNDRY22	BASE	10YR24HR	13.33	132.95	140.62	0.0013	62268	12.50	11.47	13.33	9.43
BNDRY23	BASE	10YR24HR	0.00	131.00	140.56	0.0000	340	17.11	55.60	0.00	0.00
BNDRY25	BASE	10YR24HR	0.00	131.50	132.00	0.0000	0	15.21	39.11	0.00	0.00
BNDRY26	BASE	10YR24HR	0.00	131.00	135.00	0.0000	0	13.33	9.43	0.00	0.00
NH8000	BASE	10YR24HR	32.50	132.88	142.00	0.0003	1350	0.00	0.00	16.83	131.55
NH8105	BASE	10YR24HR	36.07	132.84	141.79	0.0003	9740430	12.33	578.30	63.57	128.50
NHH8102	BASE	10YR24HR	36.08	132.84	142.00	0.0003	158368	15.67	0.63	37.72	0.28
NHH81052	BASE	10YR24HR	12.33	133.36	143.12	0.0004	1899	12.17	0.54	12.31	0.48
NHH81053	BASE	10YR24HR	12.42	135.51	146.00	0.0007	641	12.17	2.24	12.19	2.18
NHH81054	BASE	10YR24HR	12.61	135.69	143.84	0.0014	4875	12.33	2.96	12.61	2.58
NHH8116	BASE	10YR24HR	25.08	132.22	140.85	0.0004	46660262	12.33	2678.63	25.08	38.96
NHH81161	BASE	10YR24HR	30.17	136.16	145.59	0.0003	9515	12.67	0.15	0.00	0.00
NHH8117	BASE	10YR24HR	25.06	132.21	140.74	0.0004	6454997	12.33	414.61	13.08	63.00
NHH81171	BASE	10YR24HR	15.18	132.94	143.77	0.0005	28919	12.83	7.56	13.12	6.59
NHH81172	BASE	10YR24HR	12.54	132.82	143.00	0.0016	1080	12.50	1.94	12.55	1.91
NHH81173	BASE	10YR24HR	12.52	133.16	138.00	0.0012	3575	12.17	0.74	0.00	0.00

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8118	BASE	10YR24HR	17.70	131.63	138.91	0.0004	5468587	12.50	350.67	17.78	52.11
NHH81180	BASE	10YR24HR	17.36	131.65	135.00	0.0003	690369	13.00	68.65	13.36	56.57
NHH81181	BASE	10YR24HR	14.60	131.76	141.71	0.0005	93590	12.67	6.89	0.00	0.00
NHH811811	BASE	10YR24HR	12.83	132.69	135.00	0.0021	21441	12.00	6.53	12.83	1.35
NHH81182	BASE	10YR24HR	17.70	131.63	141.00	0.0004	55778	12.50	3.92	12.23	1.95
NHH811821	BASE	10YR24HR	12.53	132.26	136.00	0.0002	21289	12.11	0.72	0.00	0.00
NHH81183	BASE	10YR24HR	17.68	131.64	141.20	0.0003	252827	12.83	29.37	13.23	26.93
NHH811831	BASE	10YR24HR	12.72	132.36	135.00	0.0003	84688	12.50	14.02	12.72	13.09
NHH81184	BASE	10YR24HR	12.41	133.53	138.00	0.0002	3950	12.33	2.28	12.41	2.26
NHH811841	BASE	10YR24HR	13.23	133.07	143.42	-0.0049	448	12.40	6.76	12.40	6.66
NHH81185	BASE	10YR24HR	12.36	135.04	144.90	0.0003	3207	12.33	4.16	12.36	4.14
NHH811851	BASE	10YR24HR	12.73	133.40	144.90	0.0030	645	12.71	9.31	12.72	9.31
NHH81186	BASE	10YR24HR	13.30	133.62	143.25	0.0004	22894	13.00	7.32	13.30	7.10
NHH811861	BASE	10YR24HR	15.03	131.44	143.25	0.0014	545	13.06	-6.61	13.07	-6.64
NHH81187	BASE	10YR24HR	12.59	133.73	143.51	0.0004	21514	12.33	4.90	12.59	4.60
NHH811871	BASE	10YR24HR	17.62	131.36	143.51	-0.0100	727	17.61	52.47	17.62	52.47
NHH81188	BASE	10YR24HR	12.57	131.02	143.28	0.0100	897	12.41	6.32	12.57	3.76
NHH8119	BASE	10YR24HR	15.09	132.46	141.64	0.0006	61719	12.17	6.43	15.09	0.85
NHH81192	BASE	10YR24HR	25.00	132.23	141.66	0.0004	76053	12.00	5.46	0.00	0.00
NHH8120	BASE	10YR24HR	12.51	135.47	145.17	0.0006	16934	12.33	4.92	12.51	4.46
NHH8125	BASE	10YR24HR	12.80	133.51	142.28	0.0018	24860	12.17	10.88	12.79	6.01
NHH8130	BASE	10YR24HR	12.18	135.22	145.00	0.0002	10123	12.17	3.42	12.18	3.39
NHH8135	BASE	10YR24HR	12.41	136.48	145.44	0.0003	9433	12.17	1.13	12.41	0.96
NHH8140	BASE	10YR24HR	12.26	134.58	144.50	0.0002	4097	12.17	1.56	12.26	1.54
NHH8145	BASE	10YR24HR	13.26	133.15	139.77	0.0018	29430	12.21	9.66	12.38	4.50
NHH8150	BASE	10YR24HR	12.38	133.97	143.14	0.0012	994	12.33	3.12	12.37	3.08
NHH8155	BASE	10YR24HR	12.62	131.75	140.60	0.0004	66114	12.17	6.95	12.62	4.57
NHH8160	BASE	10YR24HR	12.34	131.02	138.57	-0.0052	1341	12.17	1.23	12.15	4.58
NHH8165	BASE	10YR24HR	12.80	133.20	142.49	-0.0096	527	12.33	3.63	12.80	4.56
NHH8170	BASE	10YR24HR	48.54	134.18	144.64	0.0006	39146	12.10	3.13	0.00	0.00
NHH8175	BASE	10YR24HR	12.24	134.23	146.13	-0.0038	301	12.20	1.34	12.22	1.34
NHH81751	BASE	10YR24HR	12.20	136.25	143.64	0.0004	1163	12.17	1.35	12.20	1.34
NHH8180	BASE	10YR24HR	12.18	136.73	140.00	0.0002	371	12.17	1.22	12.18	1.22
NHH8181	BASE	10YR24HR	15.21	131.76	135.00	0.0003	2792583	12.67	139.94	14.92	49.03
NHH8190	BASE	10YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	10YR24HR	15.83	132.93	142.00	0.0004	555	12.55	3.49	0.00	0.00
NO14131	BASE	10YR24HR	25.00	133.24	142.00	0.0013	30228	12.00	6.74	0.00	0.00
NO14136	BASE	10YR24HR	24.99	134.38	144.00	0.0006	98312	12.17	9.07	24.99	0.05
NO14211	BASE	10YR24HR	12.73	133.40	143.00	0.0004	153776	12.17	15.02	12.73	10.05
NO14212	BASE	10YR24HR	12.50	133.23	140.00	0.0018	201	12.50	3.34	12.50	3.34
NO14220	BASE	10YR24HR	16.37	131.89	141.00	0.0009	1418655	12.50	141.56	12.74	44.67
NO14230	BASE	10YR24HR	12.13	134.94	145.00	0.0028	1320	12.00	3.55	12.13	3.04
NO14240	BASE	10YR24HR	12.82	133.45	142.00	0.0011	17211	12.17	2.74	12.82	1.29
NO14250	BASE	10YR24HR	12.46	135.50	145.00	0.0002	15960	12.33	3.45	12.46	3.35
POND5	BASE	10YR24HR	13.81	132.94	134.00	0.0013	85486	12.67	23.18	13.81	13.79
POND6	BASE	10YR24HR	13.46	132.75	134.00	0.0008	90830	12.67	24.45	13.37	17.85
POND7	BASE	10YR24HR	13.33	132.85	134.00	0.0008	67132	12.67	22.82	13.27	18.91
POND8	BASE	10YR24HR	14.75	133.57	134.30	0.0011	81118	13.00	20.81	14.75	12.74
BNDRY20	BASE	233YR24HR	0.00	131.00	141.74	0.0000	906	14.36	179.68	0.00	0.00

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Name	Group	Simulation	Max Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BNDRY22	BASE	233YR24HR	14.43	132.86	140.62	0.0010	58885	12.46	8.81	14.43	3.27
BNDRY23	BASE	233YR24HR	0.00	131.00	140.56	0.0000	340	15.06	41.77	0.00	0.00
BNDRY25	BASE	233YR24HR	0.00	131.50	132.00	0.0000	0	15.27	20.71	0.00	0.00
BNDRY26	BASE	233YR24HR	0.00	131.00	135.00	0.0000	0	14.43	3.27	0.00	0.00
NH8000	BASE	233YR24HR	44.83	132.69	142.00	0.0002	1350	0.00	0.00	16.33	120.86
NH8105	BASE	233YR24HR	48.00	132.65	141.79	0.0002	9529801	12.33	430.73	134.24	118.83
NHH8102	BASE	233YR24HR	48.02	132.65	142.00	0.0002	1332203	12.50	0.22	61.43	0.12
NHH81052	BASE	233YR24HR	12.35	133.31	143.12	0.0003	1886	12.17	0.37	12.33	0.32
NHH81053	BASE	233YR24HR	12.52	135.42	146.00	0.0007	621	12.25	1.54	12.25	1.49
NHH81054	BASE	233YR24HR	12.62	135.52	143.84	0.0009	4400	12.33	2.02	12.61	1.75
NHH8116	BASE	233YR24HR	24.72	132.03	140.85	0.0002	45951756	12.25	1813.00	24.72	35.81
NHH81161	BASE	233YR24HR	30.17	135.93	145.59	0.0002	3652	12.67	0.10	0.00	0.00
NHH8117	BASE	233YR24HR	24.71	132.02	140.74	0.0003	6350771	12.33	278.52	13.27	33.98
NHH81171	BASE	233YR24HR	22.56	132.82	143.77	0.0003	27113	12.92	5.18	13.13	4.50
NHH81172	BASE	233YR24HR	12.55	132.62	143.00	0.0011	1073	12.42	1.32	12.58	1.30
NHH81173	BASE	233YR24HR	12.54	133.02	138.00	0.0008	3574	12.08	0.55	0.00	0.00
NHH8118	BASE	233YR24HR	17.05	131.43	138.91	0.0002	5023223	12.42	236.17	17.14	42.10
NHH81180	BASE	233YR24HR	13.91	131.47	135.00	0.0002	588646	13.00	45.88	13.93	40.19
NHH81181	BASE	233YR24HR	13.87	131.56	141.71	0.0003	86737	12.67	4.11	0.00	0.00
NHH811811	BASE	233YR24HR	24.18	132.66	135.00	0.0019	20987	12.00	4.46	24.18	0.04
NHH81182	BASE	233YR24HR	17.05	131.43	141.00	0.0002	47944	12.42	2.63	12.61	2.43
NHH811821	BASE	233YR24HR	12.53	132.23	136.00	0.0001	21096	12.08	0.62	0.00	0.00
NHH81183	BASE	233YR24HR	13.35	131.56	141.20	0.0002	237992	12.88	19.79	13.35	17.47
NHH811831	BASE	233YR24HR	12.76	132.32	135.00	0.0002	83189	12.50	9.57	12.76	8.78
NHH81184	BASE	233YR24HR	12.43	133.50	138.00	0.0001	3776	12.42	1.56	12.43	1.56
NHH811841	BASE	233YR24HR	14.36	132.88	143.42	-0.0056	448	12.33	5.82	12.33	5.73
NHH81185	BASE	233YR24HR	12.44	135.00	144.90	0.0001	2174	12.42	2.55	12.44	2.55
NHH811851	BASE	233YR24HR	12.69	132.97	144.90	0.0026	676	12.66	5.66	12.68	5.65
NHH81186	BASE	233YR24HR	13.31	133.53	143.25	0.0002	19862	13.08	4.92	13.31	4.78
NHH811861	BASE	233YR24HR	15.06	131.25	143.25	0.0014	624	13.07	-7.34	13.08	-7.36
NHH81187	BASE	233YR24HR	12.61	133.68	143.51	0.0002	20221	12.42	3.36	12.61	3.11
NHH811871	BASE	233YR24HR	16.96	131.23	143.51	0.0100	781	16.95	42.36	16.96	42.36
NHH81188	BASE	233YR24HR	0.00	131.01	143.28	0.0095	898	12.42	4.88	0.00	2.91
NHH8119	BASE	233YR24HR	15.01	132.26	141.64	0.0003	60485	12.08	4.57	15.01	0.52
NHH81192	BASE	233YR24HR	25.00	132.02	141.66	0.0003	73875	12.00	3.73	0.00	0.00
NHH8120	BASE	233YR24HR	12.58	135.40	145.17	0.0006	16003	12.26	3.36	12.58	2.87
NHH8125	BASE	233YR24HR	12.94	133.18	142.28	0.0012	24224	12.18	7.47	12.92	3.52
NHH8130	BASE	233YR24HR	12.15	135.20	145.00	0.0003	9969	12.08	2.47	12.15	2.37
NHH8135	BASE	233YR24HR	12.65	136.44	145.44	0.0005	8815	12.17	0.77	12.65	0.50
NHH8140	BASE	233YR24HR	12.28	134.56	144.50	0.0002	3965	12.25	1.08	12.28	1.06
NHH8145	BASE	233YR24HR	14.36	132.88	139.77	0.0013	22441	12.25	6.73	12.25	4.34
NHH8150	BASE	233YR24HR	12.37	133.82	143.14	0.0009	866	12.33	2.13	12.36	2.11
NHH8155	BASE	233YR24HR	12.70	131.70	140.60	0.0002	65585	12.17	4.75	12.70	2.80
NHH8160	BASE	233YR24HR	12.35	131.01	138.57	0.0036	1344	12.17	0.81	13.33	3.83
NHH8165	BASE	233YR24HR	12.37	133.00	142.49	-0.0030	471	12.33	2.46	12.36	2.46
NHH8170	BASE	233YR24HR	41.75	133.97	144.64	0.0004	36009	12.08	2.24	0.00	0.00
NHH8175	BASE	233YR24HR	12.26	134.12	146.13	0.0014	355	12.22	0.92	12.25	0.92
NHH81751	BASE	233YR24HR	12.22	136.22	143.64	0.0005	1154	12.17	0.92	12.22	0.92
NHH8180	BASE	233YR24HR	12.25	136.72	140.00	0.0001	375	12.25	0.84	12.25	0.84

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8181	BASE	233YR24HR	15.27	131.65	135.00	0.0002	2450230	12.67	95.52	15.28	32.13
NHH8190	BASE	233YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	233YR24HR	22.50	132.82	142.00	0.0002	556	13.05	4.35	0.00	0.00
NO14131	BASE	233YR24HR	25.00	132.72	142.00	0.0009	26478	12.00	4.60	0.00	0.00
NO14136	BASE	233YR24HR	26.50	134.11	144.00	0.0003	92818	12.25	6.20	0.00	0.00
NO14211	BASE	233YR24HR	13.04	133.34	143.00	0.0003	150500	12.25	10.38	13.04	4.94
NO14212	BASE	233YR24HR	12.43	133.00	140.00	0.0012	196	12.42	2.31	12.43	2.31
NO14220	BASE	233YR24HR	13.87	131.52	141.00	0.0006	848358	12.42	92.28	13.44	43.03
NO14230	BASE	233YR24HR	12.14	134.66	145.00	0.0018	1322	12.00	2.66	12.14	2.35
NO14240	BASE	233YR24HR	14.01	133.36	142.00	0.0009	15822	12.17	1.87	14.01	0.22
NO14250	BASE	233YR24HR	12.48	135.48	145.00	0.0001	15332	12.33	2.35	12.48	2.29
POND5	BASE	233YR24HR	14.38	132.56	134.00	0.0006	83664	12.67	11.33	14.38	5.65
POND6	BASE	233YR24HR	13.47	132.52	134.00	0.0005	89515	12.67	15.08	13.46	11.10
POND7	BASE	233YR24HR	13.32	132.64	134.00	0.0005	66279	12.75	14.43	13.32	12.00
POND8	BASE	233YR24HR	15.36	133.13	134.30	0.0006	78753	13.08	11.74	15.36	6.25
BNDRY20	BASE	25YR24HR	0.00	131.00	141.74	0.0000	906	24.34	233.23	0.00	0.00
BNDRY22	BASE	25YR24HR	13.11	132.98	140.62	0.0016	63534	12.67	13.39	13.11	12.63
BNDRY23	BASE	25YR24HR	0.00	131.00	140.56	0.0000	340	17.50	60.36	0.00	0.00
BNDRY25	BASE	25YR24HR	0.00	131.50	132.00	0.0000	0	15.16	52.68	0.00	0.00
BNDRY26	BASE	25YR24HR	0.00	131.00	135.00	0.0000	0	13.11	12.63	0.00	0.00
NH8000	BASE	25YR24HR	31.83	133.00	142.00	0.0004	1350	0.00	0.00	28.00	147.80
NH8105	BASE	25YR24HR	35.36	132.94	141.79	0.0004	9858835	12.33	665.12	38.04	145.63
NHH8102	BASE	25YR24HR	35.36	132.94	142.00	0.0004	172515	13.17	1.66	38.30	0.45
NHH81052	BASE	25YR24HR	12.31	133.38	143.12	0.0005	1906	12.17	0.64	12.30	0.58
NHH81053	BASE	25YR24HR	12.39	135.56	146.00	0.0009	652	12.17	2.67	12.20	2.60
NHH81054	BASE	25YR24HR	12.61	135.78	143.84	0.0017	5138	12.33	3.52	12.60	3.08
NHH8116	BASE	25YR24HR	25.54	132.34	140.85	0.0005	47119421	12.33	3210.90	25.54	40.88
NHH81161	BASE	25YR24HR	30.17	136.34	145.59	0.0004	15830	12.67	0.18	0.00	0.00
NHH8117	BASE	25YR24HR	25.51	132.34	140.74	0.0006	6522405	12.33	503.16	12.88	91.63
NHH81171	BASE	25YR24HR	14.72	133.02	143.77	0.0007	30010	12.83	9.01	13.11	7.84
NHH81172	BASE	25YR24HR	12.53	132.93	143.00	0.0021	1081	12.50	2.30	12.54	2.28
NHH81173	BASE	25YR24HR	12.51	133.24	138.00	0.0014	3574	12.16	0.85	0.00	0.00
NHH8118	BASE	25YR24HR	17.86	131.76	138.91	0.0006	5569750	12.50	428.95	18.00	56.76
NHH81180	BASE	25YR24HR	17.64	131.77	135.00	0.0004	756681	13.00	82.27	13.16	59.59
NHH81181	BASE	25YR24HR	14.78	131.96	141.71	0.0008	101726	12.67	9.84	0.00	0.00
NHH811811	BASE	25YR24HR	12.44	132.73	135.00	0.0025	21911	12.00	7.78	12.44	4.03
NHH81182	BASE	25YR24HR	17.86	131.76	141.00	0.0006	60570	12.50	4.91	12.39	1.25
NHH811821	BASE	25YR24HR	12.52	132.27	136.00	0.0002	21414	12.13	0.84	0.00	0.00
NHH81183	BASE	25YR24HR	17.85	131.76	141.20	0.0004	277976	12.83	35.23	13.20	32.89
NHH811831	BASE	25YR24HR	12.72	132.38	135.00	0.0004	85509	12.50	16.71	12.72	15.78
NHH81184	BASE	25YR24HR	12.41	133.54	138.00	0.0002	4047	12.33	2.72	12.41	2.70
NHH811841	BASE	25YR24HR	13.05	133.20	143.42	0.0057	448	12.96	7.47	12.98	7.46
NHH81185	BASE	25YR24HR	12.36	135.05	144.90	0.0003	3726	12.33	5.01	12.36	4.98
NHH811851	BASE	25YR24HR	12.73	133.60	144.90	0.0033	605	12.71	11.05	12.72	11.05
NHH81186	BASE	25YR24HR	13.30	133.67	143.25	0.0006	24686	13.00	8.87	13.30	8.61
NHH811861	BASE	25YR24HR	15.11	131.56	143.25	0.0014	488	13.14	-6.01	13.14	-6.04
NHH81187	BASE	25YR24HR	12.59	133.75	143.51	0.0005	22249	12.33	5.86	12.59	5.57
NHH811871	BASE	25YR24HR	17.79	131.45	143.51	-0.0100	601	17.68	57.17	17.67	57.17
NHH81188	BASE	25YR24HR	12.78	131.02	143.28	0.0099	896	12.35	7.54	12.78	4.16

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8119	BASE	25YR24HR	15.00	132.61	141.64	0.0009	62611	12.17	7.66	15.00	1.11
NHH81192	BASE	25YR24HR	25.00	132.38	141.66	0.0005	77556	12.00	6.50	0.00	0.00
NHH8120	BASE	25YR24HR	12.50	135.50	145.17	0.0006	17396	12.33	5.86	12.50	5.36
NHH8125	BASE	25YR24HR	12.79	133.72	142.28	0.0026	25249	12.17	12.96	13.01	7.49
NHH8130	BASE	25YR24HR	12.17	135.23	145.00	0.0002	10208	12.17	4.08	12.17	4.04
NHH8135	BASE	25YR24HR	12.37	136.49	145.44	0.0003	9668	12.17	1.35	12.37	1.19
NHH8140	BASE	25YR24HR	12.25	134.59	144.50	0.0002	4166	12.17	1.86	12.25	1.84
NHH8145	BASE	25YR24HR	13.13	133.34	139.77	0.0023	34855	12.60	11.94	13.30	5.74
NHH8150	BASE	25YR24HR	12.42	134.06	143.14	0.0015	2107	12.33	3.73	12.42	3.65
NHH8155	BASE	25YR24HR	12.60	131.78	140.60	0.0004	66411	12.17	8.29	12.60	5.75
NHH8160	BASE	25YR24HR	12.35	131.03	138.57	0.0064	1339	12.17	1.49	12.35	5.29
NHH8165	BASE	25YR24HR	12.60	133.35	142.49	-0.0084	563	12.33	4.33	12.60	6.46
NHH8170	BASE	25YR24HR	51.62	134.30	144.64	0.0008	40463	12.07	3.74	0.00	0.00
NHH8175	BASE	25YR24HR	51.62	134.30	146.13	-0.0050	383	12.20	1.60	12.22	1.59
NHH81751	BASE	25YR24HR	12.20	136.27	143.64	0.0004	1168	12.17	1.61	12.20	1.59
NHH8180	BASE	25YR24HR	12.18	136.74	140.00	0.0002	380	12.17	1.45	12.18	1.45
NHH8181	BASE	25YR24HR	15.16	131.82	135.00	0.0004	2982226	12.67	167.43	14.82	60.86
NHH8190	BASE	25YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	25YR24HR	15.00	133.00	142.00	0.0005	553	12.25	2.54	0.00	0.00
NO14131	BASE	25YR24HR	25.00	133.52	142.00	0.0018	33524	12.00	8.02	0.00	0.00
NO14136	BASE	25YR24HR	24.41	134.51	144.00	0.0009	100815	12.17	10.80	24.41	0.19
NO14211	BASE	25YR24HR	12.74	133.44	143.00	0.0005	156201	12.33	19.29	12.74	15.26
NO14212	BASE	25YR24HR	12.51	133.45	140.00	0.0022	197	12.50	4.25	12.51	4.24
NO14220	BASE	25YR24HR	21.67	132.27	141.00	0.0012	1673718	12.50	176.90	12.48	43.17
NO14230	BASE	25YR24HR	12.16	135.10	145.00	0.0030	2414	12.00	4.04	12.16	3.43
NO14240	BASE	25YR24HR	12.60	133.48	142.00	0.0012	17788	12.17	3.26	12.60	2.06
NO14250	BASE	25YR24HR	12.45	135.51	145.00	0.0002	16287	12.33	4.10	12.45	4.01
POND5	BASE	25YR24HR	13.72	133.17	134.00	0.0019	86610	12.67	30.83	13.60	18.84
POND6	BASE	25YR24HR	13.53	132.91	134.00	0.0012	91745	12.67	30.06	13.41	21.17
POND7	BASE	25YR24HR	13.40	133.00	134.00	0.0011	67765	12.67	27.91	13.31	22.31
POND8	BASE	25YR24HR	14.56	133.82	134.30	0.0016	82437	13.00	26.43	14.55	16.96
BNDRY20	BASE	500YR5DAY	0.00	131.00	141.74	0.0000	906	68.46	354.52	0.00	0.00
BNDRY22	BASE	500YR5DAY	61.05	133.00	140.62	0.0002	64547	60.83	15.54	61.05	15.51
BNDRY23	BASE	500YR5DAY	0.00	131.00	140.56	0.0000	340	118.77	88.81	0.00	0.00
BNDRY25	BASE	500YR5DAY	0.00	131.50	132.00	0.0000	0	63.38	121.11	0.00	0.00
BNDRY26	BASE	500YR5DAY	0.00	131.00	135.00	0.0000	0	61.05	15.51	0.00	0.00
NH8000	BASE	500YR5DAY	96.67	133.98	142.00	0.0005	388	0.00	0.00	90.50	419.33
NH8105	BASE	500YR5DAY	108.98	133.67	141.79	0.0005	10496948	60.33	683.92	86.74	434.46
NHH8102	BASE	500YR5DAY	108.99	133.67	142.00	0.0005	187196	60.33	7.32	64.63	3.50
NHH81052	BASE	500YR5DAY	108.98	133.67	143.12	0.0003	1908	60.00	0.48	60.16	0.47
NHH81053	BASE	500YR5DAY	60.21	135.53	146.00	0.0005	645	60.16	2.17	60.17	2.16
NHH81054	BASE	500YR5DAY	60.45	135.76	143.84	0.0009	5072	60.17	3.08	60.44	2.95
NHH8116	BASE	500YR5DAY	119.86	133.58	140.85	0.0006	51081568	60.17	3035.34	119.86	56.75
NHH81161	BASE	500YR5DAY	63.54	136.90	145.59	0.0009	35591	63.33	2.95	63.54	2.94
NHH8117	BASE	500YR5DAY	119.87	133.58	140.74	0.0006	7856547	60.17	541.24	61.86	149.52
NHH81171	BASE	500YR5DAY	66.67	133.96	143.77	0.0008	41801	61.67	15.51	61.76	13.76
NHH81172	BASE	500YR5DAY	62.33	132.91	143.00	0.0011	1083	60.33	2.16	60.41	2.16
NHH81173	BASE	500YR5DAY	62.37	133.36	138.00	0.0008	3573	59.50	0.32	0.00	0.00
NHH8118	BASE	500YR5DAY	119.90	133.58	138.91	0.0008	6788287	68.44	517.90	60.16	52.91

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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH81180	BASE	500YR5DAY	119.89	133.58	135.00	0.0008	1650632	60.67	96.16	60.68	43.06
NHH81181	BASE	500YR5DAY	119.87	133.58	141.71	0.0012	406718	60.50	14.40	0.00	0.00
NHH811811	BASE	500YR5DAY	119.88	133.58	135.00	0.0006	53154	60.00	4.77	60.00	4.75
NHH81182	BASE	500YR5DAY	119.88	133.58	141.00	0.0075	97183	60.33	5.03	68.44	509.15
NHH811821	BASE	500YR5DAY	119.88	133.58	136.00	0.0010	29099	68.44	13.38	68.36	0.72
NHH81183	BASE	500YR5DAY	119.90	133.58	141.20	0.0008	669377	60.83	43.59	60.67	23.76
NHH811831	BASE	500YR5DAY	119.92	133.58	135.00	0.0006	329738	60.33	21.55	60.55	21.29
NHH81184	BASE	500YR5DAY	60.34	133.53	138.00	0.0001	3994	60.33	2.46	60.34	2.46
NHH811841	BASE	500YR5DAY	61.07	133.37	143.42	0.0063	448	61.06	9.43	61.07	9.43
NHH81185	BASE	500YR5DAY	60.19	135.04	144.90	0.0002	3318	60.17	4.32	60.19	4.31
NHH811851	BASE	500YR5DAY	61.22	133.78	144.90	-0.0070	477	60.50	11.39	60.52	11.37
NHH81186	BASE	500YR5DAY	61.35	133.76	143.25	0.0005	27990	61.17	11.71	61.35	11.63
NHH811861	BASE	500YR5DAY	119.30	132.58	143.25	0.0014	485	60.65	-6.70	60.68	-6.73
NHH81187	BASE	500YR5DAY	61.24	133.77	143.51	0.0003	22745	60.33	5.74	60.35	5.61
NHH811871	BASE	500YR5DAY	119.00	132.34	143.51	-0.0099	212	119.13	86.09	118.71	86.09
NHH81188	BASE	500YR5DAY	60.34	131.07	143.28	0.0100	887	59.79	9.36	60.34	7.77
NHH8119	BASE	500YR5DAY	63.39	133.31	141.64	0.0010	67311	60.00	7.98	63.39	2.51
NHH81192	BASE	500YR5DAY	121.00	133.90	141.66	0.0008	92673	60.00	6.79	0.00	0.00
NHH8120	BASE	500YR5DAY	60.31	135.48	145.17	0.0004	17145	60.17	5.00	60.31	4.86
NHH8125	BASE	500YR5DAY	61.20	133.90	142.28	0.0016	25577	60.04	10.01	60.74	7.44
NHH8130	BASE	500YR5DAY	60.02	135.21	145.00	0.0002	10054	60.00	2.93	60.02	2.91
NHH8135	BASE	500YR5DAY	60.20	136.48	145.44	0.0001	9478	60.00	1.03	60.20	1.01
NHH8140	BASE	500YR5DAY	60.17	134.58	144.50	0.0001	4087	60.16	1.50	60.17	1.50
NHH8145	BASE	500YR5DAY	61.15	133.58	139.77	0.0011	42138	60.17	9.80	61.19	7.90
NHH8150	BASE	500YR5DAY	60.32	134.12	143.14	0.0011	3181	60.17	4.12	60.30	4.07
NHH8155	BASE	500YR5DAY	119.90	133.58	140.60	0.0008	92600	60.00	8.35	60.22	7.59
NHH8160	BASE	500YR5DAY	60.34	131.08	138.57	0.0062	1315	61.17	2.98	59.41	5.26
NHH8165	BASE	500YR5DAY	61.23	133.60	142.49	-0.0099	556	60.17	3.86	61.63	5.37
NHH8170	BASE	500YR5DAY	62.11	134.81	144.64	0.0006	45958	60.00	2.82	62.11	1.11
NHH8175	BASE	500YR5DAY	62.08	134.81	146.13	0.0027	408	60.17	1.27	60.17	1.25
NHH81751	BASE	500YR5DAY	60.17	136.25	143.64	0.0002	1162	60.16	1.27	60.17	1.27
NHH8180	BASE	500YR5DAY	60.17	136.73	140.00	0.0001	368	60.16	1.18	60.17	1.18
NHH8181	BASE	500YR5DAY	63.38	132.04	135.00	0.0004	3555078	60.50	189.26	62.92	103.34
NHH8190	BASE	500YR5DAY	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	500YR5DAY	66.67	133.95	142.00	0.0008	378	30.52	0.93	0.00	0.00
NO14131	BASE	500YR5DAY	60.02	134.02	142.00	0.0010	39417	59.30	4.30	0.00	0.00
NO14136	BASE	500YR5DAY	65.40	135.48	144.00	0.0008	127721	60.17	8.83	64.07	2.19
NO14211	BASE	500YR5DAY	66.72	133.94	143.00	0.0010	184208	60.16	25.20	60.32	23.96
NO14212	BASE	500YR5DAY	64.70	135.40	140.00	0.0071	30444	63.33	8.26	60.56	7.63
NO14220	BASE	500YR5DAY	66.68	133.94	141.00	0.0030	2132332	60.33	220.29	62.26	65.16
NO14230	BASE	500YR5DAY	61.04	134.99	145.00	0.0019	1317	61.00	3.22	61.04	3.17
NO14240	BASE	500YR5DAY	66.71	133.94	142.00	0.0011	25114	60.00	2.41	60.24	2.54
NO14250	BASE	500YR5DAY	60.33	135.51	145.00	0.0001	16105	60.17	3.65	60.33	3.63
POND5	BASE	500YR5DAY	62.62	134.86	134.00	0.0025	94733	60.50	44.84	62.30	29.49
POND6	BASE	500YR5DAY	62.48	133.78	134.00	0.0015	96741	60.66	34.08	62.01	25.05
POND7	BASE	500YR5DAY	62.28	133.81	134.00	0.0016	71101	60.67	32.06	61.88	25.83
POND8	BASE	500YR5DAY	62.24	134.57	134.30	0.0017	86465	61.17	37.73	62.00	33.80
BNDRY20	BASE	50YR24HR	0.00	131.00	141.74	0.0000	906	24.47	279.91	0.00	0.00
BNDRY22	BASE	50YR24HR	12.98	133.00	140.62	0.0014	64668	12.74	16.28	12.98	15.88

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BNDRY23	BASE	50YR24HR	0.00	131.00	140.56	0.0000	340	16.94	64.58	0.00	0.00
BNDRY25	BASE	50YR24HR	0.00	131.50	132.00	0.0000	0	15.13	71.11	0.00	0.00
BNDRY26	BASE	50YR24HR	0.00	131.00	135.00	0.0000	0	12.98	15.88	0.00	0.00
NH8000	BASE	50YR24HR	30.83	133.14	142.00	0.0006	1350	0.00	0.00	27.67	177.03
NH8105	BASE	50YR24HR	35.70	133.07	141.79	0.0006	9978594	12.33	774.14	35.62	174.74
NHH8102	BASE	50YR24HR	35.71	133.07	142.00	0.0007	180636	12.83	3.88	40.88	0.71
NHH81052	BASE	50YR24HR	12.30	133.41	143.12	0.0007	1912	12.17	0.76	12.29	0.70
NHH81053	BASE	50YR24HR	12.36	135.62	146.00	0.0013	663	12.17	3.20	12.20	3.13
NHH81054	BASE	50YR24HR	12.61	135.90	143.84	0.0021	5450	12.33	4.23	12.60	3.69
NHH8116	BASE	50YR24HR	52.85	132.51	140.85	0.0007	47741473	12.33	3911.30	52.85	43.33
NHH81161	BASE	50YR24HR	30.17	136.49	145.59	0.0009	21228	13.17	0.36	0.00	0.00
NHH8117	BASE	50YR24HR	52.89	132.50	140.74	0.0008	6613628	12.33	636.08	12.80	124.85
NHH81171	BASE	50YR24HR	22.38	133.15	143.77	0.0010	31578	13.00	11.08	13.21	9.74
NHH81172	BASE	50YR24HR	12.53	133.06	143.00	0.0027	1411	12.50	2.76	12.57	2.74
NHH81173	BASE	50YR24HR	12.50	133.33	138.00	0.0020	3573	12.12	0.96	0.00	0.00
NHH8118	BASE	50YR24HR	17.92	131.91	138.91	0.0009	5690917	12.50	529.48	18.11	60.57
NHH81180	BASE	50YR24HR	17.80	131.92	135.00	0.0006	838295	13.00	98.80	13.50	60.08
NHH81181	BASE	50YR24HR	14.98	132.22	141.71	0.0014	121113	12.67	14.26	0.00	0.00
NHH811811	BASE	50YR24HR	12.24	132.76	135.00	0.0032	22266	12.00	9.33	12.24	7.10
NHH81182	BASE	50YR24HR	17.92	131.91	141.00	0.0009	66312	12.50	6.12	12.34	1.47
NHH811821	BASE	50YR24HR	12.50	132.29	136.00	0.0003	21555	12.13	0.99	0.00	0.00
NHH81183	BASE	50YR24HR	17.91	131.92	141.20	0.0005	308149	12.83	44.20	13.06	41.08
NHH811831	BASE	50YR24HR	12.74	132.41	135.00	0.0004	86873	12.50	21.63	12.74	20.78
NHH81184	BASE	50YR24HR	12.41	133.56	138.00	0.0003	4162	12.33	3.26	12.41	3.24
NHH811841	BASE	50YR24HR	12.94	133.35	143.42	-0.0049	448	12.92	9.20	12.93	9.20
NHH81185	BASE	50YR24HR	12.36	135.07	144.90	0.0004	4319	12.33	6.04	12.36	6.01
NHH811851	BASE	50YR24HR	12.74	133.86	144.90	0.0034	496	12.81	12.63	12.83	12.65
NHH81186	BASE	50YR24HR	13.22	133.73	143.25	0.0008	26839	13.00	11.01	13.22	10.54
NHH811861	BASE	50YR24HR	15.09	131.70	143.25	0.0014	488	13.04	-4.99	13.05	-5.02
NHH81187	BASE	50YR24HR	12.58	133.78	143.51	0.0006	23140	12.33	7.19	12.58	6.88
NHH811871	BASE	50YR24HR	17.84	131.57	143.51	-0.0100	510	17.72	61.05	17.71	61.05
NHH81188	BASE	50YR24HR	12.83	131.04	143.28	0.0100	894	12.50	8.78	12.83	5.58
NHH8119	BASE	50YR24HR	14.88	132.78	141.64	0.0012	63693	12.17	9.85	14.88	1.43
NHH81192	BASE	50YR24HR	25.00	132.55	141.66	0.0009	79373	12.17	8.91	0.00	0.00
NHH8120	BASE	50YR24HR	12.49	135.54	145.17	0.0009	17931	12.33	7.03	12.49	6.48
NHH8125	BASE	50YR24HR	12.83	134.01	142.28	0.0033	26167	12.17	15.58	13.12	9.06
NHH8130	BASE	50YR24HR	12.17	135.25	145.00	0.0003	10305	12.17	4.89	12.17	4.86
NHH8135	BASE	50YR24HR	12.36	136.51	145.44	0.0004	9910	12.17	1.62	12.36	1.45
NHH8140	BASE	50YR24HR	12.24	134.60	144.50	0.0003	4242	12.17	2.23	12.24	2.21
NHH8145	BASE	50YR24HR	13.07	133.55	139.77	0.0026	41115	12.40	16.11	13.18	7.23
NHH8150	BASE	50YR24HR	12.53	134.19	143.14	0.0022	4509	12.33	4.79	12.52	4.60
NHH8155	BASE	50YR24HR	17.93	131.92	140.60	0.0006	67911	12.17	10.21	12.59	7.52
NHH8160	BASE	50YR24HR	12.50	131.05	138.57	0.0060	1330	12.50	1.91	12.50	5.17
NHH8165	BASE	50YR24HR	13.06	133.55	142.49	-0.0090	550	12.33	5.21	12.40	7.94
NHH8170	BASE	50YR24HR	55.11	134.45	144.64	0.0010	42048	12.06	4.49	0.00	0.00
NHH8175	BASE	50YR24HR	55.11	134.45	146.13	-0.0081	397	12.19	1.92	12.22	1.91
NHH81751	BASE	50YR24HR	12.19	136.28	143.64	0.0005	1174	12.17	1.93	12.19	1.91
NHH8180	BASE	50YR24HR	12.17	136.75	140.00	0.0002	390	12.17	1.74	12.17	1.74
NHH8181	BASE	50YR24HR	15.13	131.89	135.00	0.0006	3197700	12.67	205.67	14.64	76.06

Dewberry Engineers, Inc.  
 01/23/2023

Proposed Polk City Model (Basins 5-8)  
 CR 557 Widening  
 Node Maximum Conditions Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
NHH8190	BASE	50YR24HR	0.00	129.00	139.06	0.0000	149	0.00	0.00	0.00	-8.64
NO14000	BASE	50YR24HR	22.33	133.15	142.00	0.0008	546	12.00	2.25	0.00	0.00
NO14131	BASE	50YR24HR	25.00	133.83	142.00	0.0026	37226	12.00	9.74	0.00	0.00
NO14136	BASE	50YR24HR	23.85	134.63	144.00	0.0013	103336	12.17	12.95	23.85	0.38
NO14211	BASE	50YR24HR	12.64	133.49	143.00	0.0007	158983	12.33	28.38	12.64	22.79
NO14212	BASE	50YR24HR	12.55	134.09	140.00	0.0076	857	12.50	5.78	12.55	5.70
NO14220	BASE	50YR24HR	22.83	133.12	141.00	0.0017	1895503	12.50	226.83	42.67	44.09
NO14230	BASE	50YR24HR	12.20	135.26	145.00	-0.0055	4214	12.00	4.81	12.20	3.79
NO14240	BASE	50YR24HR	12.45	133.52	142.00	0.0013	18359	12.17	3.91	12.45	3.00
NO14250	BASE	50YR24HR	12.43	135.52	145.00	0.0003	16637	12.33	4.93	12.43	4.83
POND5	BASE	50YR24HR	13.77	133.50	134.00	0.0029	88209	12.67	40.71	13.50	24.33
POND6	BASE	50YR24HR	13.65	133.14	134.00	0.0018	93056	12.67	37.05	13.47	24.60
POND7	BASE	50YR24HR	13.50	133.23	134.00	0.0018	68697	12.67	34.24	13.38	25.95
POND8	BASE	50YR24HR	14.40	134.12	134.30	0.0025	83988	13.00	33.51	14.38	22.35



## Ponds 1A & 1B Recovery Analysis

**PONDS Version 3.3.0278**  
**Retention Pond Recovery - Refined Method**  
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**Project Data**

Project Name: CR 557 Widening  
Simulation Description: Pond 1A Recovery Analysis  
Project Number: 18-73  
Engineer : Nora Rios EI  
Supervising Engineer: Sean Carrigan PE  
Date: 04-29-2022

**Aquifer Data**

Base Of Aquifer Elevation, [B] (ft datum): 125.00  
Water Table Elevation, [WT] (ft datum): 145.00  
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): 28.50  
Fillable Porosity, [n] (%): 25.00  
Unsaturated Vertical Infiltration Rate, [Iv] (ft/day): 37.3  
Maximum Area For Unsaturated Infiltration, [Av] (ft<sup>2</sup>): 33541.2

**Geometry Data**

Equivalent Pond Length, [L] (ft): 842.0  
Equivalent Pond Width, [W] (ft): 20.2  
Ground water mound is expected to intersect the pond bottom

**Stage vs Area Data**

Stage (ft datum)	Area (ft <sup>2</sup> )
147.00	7840.8
149.00	26571.6
150.00	33541.2
152.00	47480.4
153.00	54450.0

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**Detailed Results**    :: Scenario 1 :: 10018.8 ft<sup>3</sup> slug load - Required Treatment Volume

Elapsed Time (hours)	Instantaneous Inflow Rate (ft <sup>3</sup> /s)	Outside Recharge (ft/day)	Stage Elevation (ft datum)	Infiltration Rate (ft <sup>3</sup> /s)	Combined Instantaneous Discharge Rate (ft <sup>3</sup> /s)	Cumulative Inflow Volume (ft <sup>3</sup> )	Cumulative Infiltration Volume (ft <sup>3</sup> )	Combined Cumulative Discharge (ft <sup>3</sup> )	Flow Type
0.000	1669.8000	0.00000	145.00000	0.00000	0	0.000	0.0	0	N.A.
0.002	1669.8000	0.00000	147.84560	6.80948	0	10018.800	40.9	0	U/P
2.400	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
6.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
12.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
24.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
36.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
48.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
60.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
72.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
84.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry
96.000	0.0000	0.00000	----	----	----	10018.800	10018.8	0	dry

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**Summary of Results** :: Scenario 1 :: 10018.8 ft<sup>3</sup> slug load - Required Treatment Volume

	Time (hours)	Stage (ft datum)	Rate (ft <sup>3</sup> /s)	Volume (ft <sup>3</sup> )
<b>Stage</b>				
Minimum	0.000	145.00		
Maximum	0.002	147.85		
<b>Inflow</b>				
Rate - Maximum - Positive	0.002		1669.8000	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	0.002			10018.8
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			10018.8
<b>Infiltration</b>				
Rate - Maximum - Positive	0.002		6.8095	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	0.002			40.9
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			10018.8
<b>Combined Discharge</b>				
Rate - Maximum - Positive	None		None	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	None			None
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			0.0
<b>Discharge Structure 1 - inactive</b>				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
<b>Discharge Structure 2 - inactive</b>				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
<b>Discharge Structure 3 - inactive</b>				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
<b>Pollution Abatement:</b>				
36 Hour Stage and Infiltration Volume	36.000	Dry		10018.8
72 Hour Stage and Infiltration Volume	72.000	Dry		10018.8

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**Detailed Results**    :: Scenario 2    :: 50965.2 ft<sup>3</sup> slug load - Provided Treatment Volume

Elapsed Time (hours)	Instantaneous Inflow Rate (ft <sup>3</sup> /s)	Outside Recharge (ft/day)	Stage Elevation (ft datum)	Infiltration Rate (ft <sup>3</sup> /s)	Combined Instantaneous Discharge Rate (ft <sup>3</sup> /s)	Cumulative Inflow Volume (ft <sup>3</sup> )	Cumulative Infiltration Volume (ft <sup>3</sup> )	Combined Cumulative Discharge (ft <sup>3</sup> )	Flow Type
0.000	8494.2000	0.00000	145.00000	0.00000	0	0.000	0.0	0	N.A.
0.002	8494.2000	0.00000	149.57640	13.20776	0	50965.200	79.3	0	U/P
2.400	0.0000	0.00000	147.63980	3.26913	0	50965.200	44031.8	0	U/S
6.000	0.0000	0.00000	146.99300	0.33437	0	50965.200	50965.2	0	S
12.000	0.0000	0.00000	146.35650	0.00000	0	50965.200	50965.2	0	S
24.000	0.0000	0.00000	145.93890	0.00000	0	50965.200	50965.2	0	S
36.000	0.0000	0.00000	145.73720	0.00000	0	50965.200	50965.2	0	S
48.000	0.0000	0.00000	145.61780	0.00000	0	50965.200	50965.2	0	S
60.000	0.0000	0.00000	145.53790	0.00000	0	50965.200	50965.2	0	S
72.000	0.0000	0.00000	145.48010	0.00000	0	50965.200	50965.2	0	S
84.000	0.0000	0.00000	145.43590	0.00000	0	50965.200	50965.2	0	S
96.000	0.0000	0.00000	145.40080	----	----	50965.200	50965.2	0	N.A.

**PONDS Version 3.3.0278**  
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**Summary of Results** :: Scenario 2 :: 50965.2 ft<sup>3</sup> slug load - Provided Treatment Volume

	Time (hours)	Stage (ft datum)	Rate (ft <sup>3</sup> /s)	Volume (ft <sup>3</sup> )
<b>Stage</b>				
Minimum	0.000	145.00		
Maximum	0.002	149.58		
<b>Inflow</b>				
Rate - Maximum - Positive	0.002		8494.2000	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	0.002			50965.2
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			50965.2
<b>Infiltration</b>				
Rate - Maximum - Positive	0.002		13.2078	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	6.000			50965.2
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			50965.2
<b>Combined Discharge</b>				
Rate - Maximum - Positive	None		None	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	None			None
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			0.0
<b>Discharge Structure 1 - inactive</b>				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
<b>Discharge Structure 2 - inactive</b>				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
<b>Discharge Structure 3 - inactive</b>				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
<b>Pollution Abatement:</b>				
36 Hour Stage and Infiltration Volume	36.000	145.74		50965.2
72 Hour Stage and Infiltration Volume	72.000	145.48		50965.2

## Ponds 2 – 8 Recovery Analysis

==== Basins =====  
=====

Name:	Node:	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph:	Peaking Factor: 0.0	
Rainfall File:	Storm Duration(hrs): 0.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 0.00	
Area(ac): 0.000	Time Shift(hrs): 0.00	
Curve Number: 0.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

==== Nodes =====  
=====

Name: Boundary	Base Flow(cfs): 0.000	Init Stage(ft): 0.000
Group: BASE		Warn Stage(ft): 0.000
Type: Time/Stage		

Time(hrs)	Stage(ft)
0.00	0.000
1999.00	0.000

-----

Name: POND2	Base Flow(cfs): 0.000	Init Stage(ft): 132.400
Group: BASE		Warn Stage(ft): 133.700
Type: Stage/Area		

Stage(ft)	Area(ac)
131.900	1.4300
132.400	1.4800
133.700	1.6100
134.700	1.7100
135.000	2.1200

-----

Name: POND3	Base Flow(cfs): 0.000	Init Stage(ft): 133.300
Group: BASE		Warn Stage(ft): 135.100
Type: Stage/Area		



Recovery Analysis (Ponds 2-8)  
CR 557 Widening  
Complete Input Report

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Stage(ft)	Area(ac)
132.900	2.0500
133.300	2.1000
135.100	2.3200
136.100	2.4300
137.100	2.9100

---

Name: POND4                      Base Flow(cfs): 0.000                      Init Stage(ft): 133.200  
Group: BASE                      Warn Stage(ft): 134.700  
Type: Stage/Area

Stage(ft)	Area(ac)
132.600	0.8500
133.200	0.9000
134.700	1.0200
135.700	1.1000
136.000	1.4300

---

Name: POND5                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.100  
Group: BASE                      Warn Stage(ft): 134.000  
Type: Stage/Area

Stage(ft)	Area(ac)
131.800	1.8300
132.100	1.8700
134.000	2.0800
135.000	2.1900
136.000	2.6400

---

Name: POND6                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.100  
Group: BASE                      Warn Stage(ft): 134.000  
Type: Stage/Area

Stage(ft)	Area(ac)
131.700	1.9500
132.100	2.0000
134.000	2.2500

Recovery Analysis (Ponds 2-8)  
 CR 557 Widening  
 Complete Input Report

135.000      2.3800  
 136.000      2.9100

Name: POND7                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.200  
 Group: BASE                      Warn Stage(ft): 134.000  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.700	1.4300
132.200	1.4800
134.000	1.6500
135.000	1.7400
136.000	2.1300

Name: POND8                      Base Flow(cfs): 0.000                      Init Stage(ft): 132.400  
 Group: BASE                      Warn Stage(ft): 134.300  
 Type: Stage/Area

Stage (ft)	Area (ac)
131.900	1.6500
132.400	1.7200
134.300	1.9500
135.300	2.0800

==== Cross Sections =====

Name:                                      Group: BASE  
 Encroachment: No

Station(ft)    Elevation(ft)    Manning's N

==== Drop Structures =====

Name: OCS-2                      From Node: POND2                      Length(ft): 65.00  
 Group: BASE                      To Node: Boundary                      Count: 1

UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic

Recovery Analysis (Ponds 2-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 129.000	128.900	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure OCS-2 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 133.700
Rise(in): 24.00	Control Elev(ft): 133.700

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-2 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 31.00	Invert(ft): 132.400
Rise(in): 15.60	Control Elev(ft): 132.400

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-2 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.06	Invert(ft): 131.900
Rise(in): 2.06	Control Elev(ft): 131.400

TABLE

Name: OCS-3	From Node: POND3	Length(ft): 65.00
Group: BASE	To Node: Boundary	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
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Recovery Analysis (Ponds 2-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 130.300	130.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure OCS-3 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 105.00	Invert(ft): 135.100
Rise(in): 36.00	Control Elev(ft): 135.100

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-3 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.13	Invert(ft): 132.400
Rise(in): 2.13	Control Elev(ft): 132.900

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-3 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 153.00	Invert(ft): 133.300
Rise(in): 21.60	Control Elev(ft): 133.300

TABLE

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Name: OCS-4	From Node: POND4	Length(ft): 25.00
Group: BASE	To Node: Boundary	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic

Recovery Analysis (Ponds 2-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 130.200	130.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure OCS-4 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 49.00	Invert(ft): 134.700
Rise(in): 37.00	Control Elev(ft): 134.700

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-4 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 1.56	Invert(ft): 132.100
Rise(in): 1.56	Control Elev(ft): 132.600

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-4 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 49.00	Invert(ft): 133.200
Rise(in): 18.00	Control Elev(ft): 133.200

TABLE

-----

Name: OCS-5	From Node: POND5	Length(ft): 145.00
Group: BASE	To Node: Boundary	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic

Recovery Analysis (Ponds 2-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.700	128.500	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 3 for Drop Structure OCS-5 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 79.00	Invert(ft): 134.000
Rise(in): 36.00	Control Elev(ft): 134.000

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-5 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.13	Invert(ft): 131.300
Rise(in): 2.13	Control Elev(ft): 131.800

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-5 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 67.00	Invert(ft): 132.100
Rise(in): 22.80	Control Elev(ft): 132.100

TABLE

Name: OCS-6	From Node: POND6	Length(ft): 42.00
Group: BASE	To Node: Boundary	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic

Recovery Analysis (Ponds 2-8)

CR 557 Widening  
Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.400	128.200	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

\*\*\* Weir 1 of 3 for Drop Structure OCS-6 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 105.00	Invert(ft): 134.000
Rise(in): 36.00	Control Elev(ft): 134.000

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-6 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.19	Invert(ft): 131.200
Rise(in): 2.19	Control Elev(ft): 131.700

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-6 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 153.00	Invert(ft): 132.100
Rise(in): 22.80	Control Elev(ft): 132.100

TABLE

Name: OCS-7	From Node: POND7	Length(ft): 41.00
Group: BASE	To Node: Boundary	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
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Dewberry Engineers, Inc.  
01/23/2023

Recovery Analysis (Ponds 2-8)

CR 557 Widening  
Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.200	128.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

\*\*\* Weir 1 of 3 for Drop Structure OCS-7 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 105.00	Invert(ft): 134.000
Rise(in): 36.00	Control Elev(ft): 134.000

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-7 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.06	Invert(ft): 131.200
Rise(in): 2.06	Control Elev(ft): 131.700

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-7 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 153.00	Invert(ft): 132.200
Rise(in): 21.60	Control Elev(ft): 132.200

TABLE

-----

Name: OCS-8	From Node: POND8	Length(ft): 75.00
Group: BASE	To Node: Boundary	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic

Dewberry Engineers, Inc.  
01/23/2023



Recovery Analysis (Ponds 2-8)  
 CR 557 Widening  
 Complete Input Report

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.500
Invert(ft): 128.800	128.600	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular CMP: Mitered to slope

\*\*\* Weir 1 of 3 for Drop Structure OCS-8 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 49.00	Invert(ft): 134.300
Rise(in): 37.00	Control Elev(ft): 134.300

TABLE

\*\*\* Weir 2 of 3 for Drop Structure OCS-8 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 2.25	Invert(ft): 131.400
Rise(in): 2.25	Control Elev(ft): 131.900

TABLE

\*\*\* Weir 3 of 3 for Drop Structure OCS-8 \*\*\*

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 132.400
Rise(in): 22.80	Control Elev(ft): 132.400

TABLE

=====  
 Hydrology Simulations =====  
 =====

Name:

Recovery Analysis (Ponds 2-8)  
CR 557 Widening  
Complete Input Report

---

Filename:

Override Defaults: Yes  
Storm Duration(hrs): 0.00  
Rainfall File:  
Rainfall Amount(in): 0.00

Time(hrs)	Print Inc(min)
30.000	5.00

=====  
=== Routing Simulations ===  
=====

Name: 25YR24HR                      Hydrology Sim:  
Filename: Q:\50110728\_CR\_557\_Widening\Tech\Drainage\Adicpr\Recovery Model\25YR24HR.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 0.50	Delta Z Factor: 0.00200
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 200.00
Min Calc Time(sec): 0.1000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)
200.000	60.000

Group	Run
BASE	Yes

Recovery Analysis (Ponds 2-7)  
 CR 557 Widening  
 Time Series Report

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	Boundary	BASE	0.00	0.00	0.00	0	0.51	0.00	0.000	0.000
25YR24HR	Boundary	BASE	1.01	0.00	0.00	0	0.51	0.00	0.043	0.000
25YR24HR	Boundary	BASE	2.01	0.00	0.00	0	0.51	0.00	0.085	0.000
25YR24HR	Boundary	BASE	3.01	0.00	0.00	0	0.51	0.00	0.127	0.000
25YR24HR	Boundary	BASE	4.01	0.00	0.00	0	0.50	0.00	0.169	0.000
25YR24HR	Boundary	BASE	5.01	0.00	0.00	0	0.50	0.00	0.210	0.000
25YR24HR	Boundary	BASE	6.01	0.00	0.00	0	0.50	0.00	0.252	0.000
25YR24HR	Boundary	BASE	7.01	0.00	0.00	0	0.50	0.00	0.293	0.000
25YR24HR	Boundary	BASE	8.01	0.00	0.00	0	0.50	0.00	0.334	0.000
25YR24HR	Boundary	BASE	9.01	0.00	0.00	0	0.49	0.00	0.375	0.000
25YR24HR	Boundary	BASE	10.01	0.00	0.00	0	0.49	0.00	0.416	0.000
25YR24HR	Boundary	BASE	11.01	0.00	0.00	0	0.49	0.00	0.456	0.000
25YR24HR	Boundary	BASE	12.01	0.00	0.00	0	0.49	0.00	0.497	0.000
25YR24HR	Boundary	BASE	13.01	0.00	0.00	0	0.48	0.00	0.537	0.000
25YR24HR	Boundary	BASE	14.01	0.00	0.00	0	0.48	0.00	0.577	0.000
25YR24HR	Boundary	BASE	15.01	0.00	0.00	0	0.48	0.00	0.617	0.000
25YR24HR	Boundary	BASE	16.01	0.00	0.00	0	0.48	0.00	0.656	0.000
25YR24HR	Boundary	BASE	17.01	0.00	0.00	0	0.48	0.00	0.696	0.000
25YR24HR	Boundary	BASE	18.01	0.00	0.00	0	0.47	0.00	0.735	0.000
25YR24HR	Boundary	BASE	19.01	0.00	0.00	0	0.47	0.00	0.774	0.000
25YR24HR	Boundary	BASE	20.01	0.00	0.00	0	0.47	0.00	0.813	0.000
25YR24HR	Boundary	BASE	21.01	0.00	0.00	0	0.47	0.00	0.851	0.000
25YR24HR	Boundary	BASE	22.01	0.00	0.00	0	0.46	0.00	0.890	0.000
25YR24HR	Boundary	BASE	23.01	0.00	0.00	0	0.46	0.00	0.928	0.000
25YR24HR	Boundary	BASE	24.01	0.00	0.00	0	0.46	0.00	0.966	0.000
25YR24HR	Boundary	BASE	25.01	0.00	0.00	0	0.46	0.00	1.004	0.000
25YR24HR	Boundary	BASE	26.01	0.00	0.00	0	0.46	0.00	1.042	0.000
25YR24HR	Boundary	BASE	27.01	0.00	0.00	0	0.45	0.00	1.080	0.000
25YR24HR	Boundary	BASE	28.01	0.00	0.00	0	0.45	0.00	1.117	0.000
25YR24HR	Boundary	BASE	29.01	0.00	0.00	0	0.45	0.00	1.154	0.000
25YR24HR	Boundary	BASE	30.01	0.00	0.00	0	0.45	0.00	1.191	0.000
25YR24HR	Boundary	BASE	31.01	0.00	0.00	0	0.44	0.00	1.228	0.000
25YR24HR	Boundary	BASE	32.01	0.00	0.00	0	0.44	0.00	1.265	0.000
25YR24HR	Boundary	BASE	33.01	0.00	0.00	0	0.44	0.00	1.301	0.000
25YR24HR	Boundary	BASE	34.01	0.00	0.00	0	0.44	0.00	1.337	0.000
25YR24HR	Boundary	BASE	35.01	0.00	0.00	0	0.44	0.00	1.373	0.000
25YR24HR	Boundary	BASE	36.01	0.00	0.00	0	0.43	0.00	1.409	0.000
25YR24HR	Boundary	BASE	37.01	0.00	0.00	0	0.43	0.00	1.445	0.000
25YR24HR	Boundary	BASE	38.01	0.00	0.00	0	0.43	0.00	1.481	0.000
25YR24HR	Boundary	BASE	39.01	0.00	0.00	0	0.43	0.00	1.516	0.000
25YR24HR	Boundary	BASE	40.01	0.00	0.00	0	0.42	0.00	1.551	0.000
25YR24HR	Boundary	BASE	41.01	0.00	0.00	0	0.42	0.00	1.586	0.000
25YR24HR	Boundary	BASE	42.01	0.00	0.00	0	0.42	0.00	1.621	0.000
25YR24HR	Boundary	BASE	43.01	0.00	0.00	0	0.42	0.00	1.656	0.000
25YR24HR	Boundary	BASE	44.01	0.00	0.00	0	0.42	0.00	1.690	0.000
25YR24HR	Boundary	BASE	45.01	0.00	0.00	0	0.41	0.00	1.724	0.000
25YR24HR	Boundary	BASE	46.01	0.00	0.00	0	0.41	0.00	1.758	0.000
25YR24HR	Boundary	BASE	47.01	0.00	0.00	0	0.41	0.00	1.792	0.000
25YR24HR	Boundary	BASE	48.01	0.00	0.00	0	0.41	0.00	1.826	0.000

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	Boundary	BASE	49.01	0.00	0.00	0	0.40	0.00	1.859	0.000
25YR24HR	Boundary	BASE	50.01	0.00	0.00	0	0.40	0.00	1.893	0.000
25YR24HR	Boundary	BASE	51.01	0.00	0.00	0	0.40	0.00	1.926	0.000
25YR24HR	Boundary	BASE	52.01	0.00	0.00	0	0.40	0.00	1.959	0.000
25YR24HR	Boundary	BASE	53.01	0.00	0.00	0	0.40	0.00	1.991	0.000
25YR24HR	Boundary	BASE	54.01	0.00	0.00	0	0.39	0.00	2.024	0.000
25YR24HR	Boundary	BASE	55.01	0.00	0.00	0	0.39	0.00	2.056	0.000
25YR24HR	Boundary	BASE	56.01	0.00	0.00	0	0.39	0.00	2.088	0.000
25YR24HR	Boundary	BASE	57.01	0.00	0.00	0	0.39	0.00	2.120	0.000
25YR24HR	Boundary	BASE	58.01	0.00	0.00	0	0.38	0.00	2.152	0.000
25YR24HR	Boundary	BASE	59.01	0.00	0.00	0	0.38	0.00	2.184	0.000
25YR24HR	Boundary	BASE	60.01	0.00	0.00	0	0.38	0.00	2.215	0.000
25YR24HR	Boundary	BASE	61.01	0.00	0.00	0	0.38	0.00	2.247	0.000
25YR24HR	Boundary	BASE	62.01	0.00	0.00	0	0.37	0.00	2.278	0.000
25YR24HR	Boundary	BASE	63.01	0.00	0.00	0	0.37	0.00	2.309	0.000
25YR24HR	Boundary	BASE	64.01	0.00	0.00	0	0.37	0.00	2.339	0.000
25YR24HR	Boundary	BASE	65.01	0.00	0.00	0	0.37	0.00	2.370	0.000
25YR24HR	Boundary	BASE	66.01	0.00	0.00	0	0.37	0.00	2.400	0.000
25YR24HR	Boundary	BASE	67.01	0.00	0.00	0	0.36	0.00	2.430	0.000
25YR24HR	Boundary	BASE	68.01	0.00	0.00	0	0.36	0.00	2.460	0.000
25YR24HR	Boundary	BASE	69.01	0.00	0.00	0	0.36	0.00	2.490	0.000
25YR24HR	Boundary	BASE	70.01	0.00	0.00	0	0.36	0.00	2.520	0.000
25YR24HR	Boundary	BASE	71.01	0.00	0.00	0	0.35	0.00	2.549	0.000
25YR24HR	Boundary	BASE	72.01	0.00	0.00	0	0.35	0.00	2.578	0.000
25YR24HR	Boundary	BASE	73.01	0.00	0.00	0	0.35	0.00	2.607	0.000
25YR24HR	Boundary	BASE	74.01	0.00	0.00	0	0.35	0.00	2.636	0.000
25YR24HR	Boundary	BASE	75.01	0.00	0.00	0	0.35	0.00	2.665	0.000
25YR24HR	Boundary	BASE	76.01	0.00	0.00	0	0.34	0.00	2.693	0.000
25YR24HR	Boundary	BASE	77.01	0.00	0.00	0	0.34	0.00	2.721	0.000
25YR24HR	Boundary	BASE	78.01	0.00	0.00	0	0.34	0.00	2.749	0.000
25YR24HR	Boundary	BASE	79.01	0.00	0.00	0	0.34	0.00	2.777	0.000
25YR24HR	Boundary	BASE	80.01	0.00	0.00	0	0.33	0.00	2.805	0.000
25YR24HR	Boundary	BASE	81.01	0.00	0.00	0	0.33	0.00	2.833	0.000
25YR24HR	Boundary	BASE	82.01	0.00	0.00	0	0.33	0.00	2.860	0.000
25YR24HR	Boundary	BASE	83.01	0.00	0.00	0	0.33	0.00	2.887	0.000
25YR24HR	Boundary	BASE	84.01	0.00	0.00	0	0.33	0.00	2.914	0.000
25YR24HR	Boundary	BASE	85.01	0.00	0.00	0	0.32	0.00	2.941	0.000
25YR24HR	Boundary	BASE	86.01	0.00	0.00	0	0.32	0.00	2.967	0.000
25YR24HR	Boundary	BASE	87.01	0.00	0.00	0	0.32	0.00	2.994	0.000
25YR24HR	Boundary	BASE	88.01	0.00	0.00	0	0.32	0.00	3.020	0.000
25YR24HR	Boundary	BASE	89.01	0.00	0.00	0	0.31	0.00	3.046	0.000
25YR24HR	Boundary	BASE	90.01	0.00	0.00	0	0.31	0.00	3.072	0.000
25YR24HR	Boundary	BASE	91.01	0.00	0.00	0	0.31	0.00	3.097	0.000
25YR24HR	Boundary	BASE	92.01	0.00	0.00	0	0.31	0.00	3.123	0.000
25YR24HR	Boundary	BASE	93.01	0.00	0.00	0	0.30	0.00	3.148	0.000
25YR24HR	Boundary	BASE	94.01	0.00	0.00	0	0.30	0.00	3.173	0.000
25YR24HR	Boundary	BASE	95.01	0.00	0.00	0	0.30	0.00	3.198	0.000
25YR24HR	Boundary	BASE	96.01	0.00	0.00	0	0.30	0.00	3.223	0.000
25YR24HR	Boundary	BASE	97.01	0.00	0.00	0	0.29	0.00	3.247	0.000

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	Boundary	BASE	98.01	0.00	0.00	0	0.29	0.00	3.272	0.000
25YR24HR	Boundary	BASE	99.01	0.00	0.00	0	0.29	0.00	3.296	0.000
25YR24HR	Boundary	BASE	100.01	0.00	0.00	0	0.29	0.00	3.320	0.000
25YR24HR	Boundary	BASE	101.01	0.00	0.00	0	0.28	0.00	3.343	0.000
25YR24HR	Boundary	BASE	102.01	0.00	0.00	0	0.28	0.00	3.367	0.000
25YR24HR	Boundary	BASE	103.01	0.00	0.00	0	0.28	0.00	3.390	0.000
25YR24HR	Boundary	BASE	104.01	0.00	0.00	0	0.28	0.00	3.413	0.000
25YR24HR	Boundary	BASE	105.01	0.00	0.00	0	0.28	0.00	3.436	0.000
25YR24HR	Boundary	BASE	106.01	0.00	0.00	0	0.27	0.00	3.458	0.000
25YR24HR	Boundary	BASE	107.01	0.00	0.00	0	0.27	0.00	3.481	0.000
25YR24HR	Boundary	BASE	108.01	0.00	0.00	0	0.27	0.00	3.503	0.000
25YR24HR	Boundary	BASE	109.01	0.00	0.00	0	0.27	0.00	3.525	0.000
25YR24HR	Boundary	BASE	110.01	0.00	0.00	0	0.26	0.00	3.547	0.000
25YR24HR	Boundary	BASE	111.01	0.00	0.00	0	0.26	0.00	3.569	0.000
25YR24HR	Boundary	BASE	112.01	0.00	0.00	0	0.26	0.00	3.590	0.000
25YR24HR	Boundary	BASE	113.01	0.00	0.00	0	0.26	0.00	3.611	0.000
25YR24HR	Boundary	BASE	114.01	0.00	0.00	0	0.25	0.00	3.632	0.000
25YR24HR	Boundary	BASE	115.01	0.00	0.00	0	0.25	0.00	3.653	0.000
25YR24HR	Boundary	BASE	116.01	0.00	0.00	0	0.25	0.00	3.674	0.000
25YR24HR	Boundary	BASE	117.01	0.00	0.00	0	0.25	0.00	3.695	0.000
25YR24HR	Boundary	BASE	118.01	0.00	0.00	0	0.25	0.00	3.715	0.000
25YR24HR	Boundary	BASE	119.01	0.00	0.00	0	0.24	0.00	3.735	0.000
25YR24HR	Boundary	BASE	120.01	0.00	0.00	0	0.24	0.00	3.755	0.000
25YR24HR	Boundary	BASE	121.01	0.00	0.00	0	0.24	0.00	3.775	0.000
25YR24HR	Boundary	BASE	122.01	0.00	0.00	0	0.24	0.00	3.795	0.000
25YR24HR	Boundary	BASE	123.01	0.00	0.00	0	0.23	0.00	3.814	0.000
25YR24HR	Boundary	BASE	124.01	0.00	0.00	0	0.23	0.00	3.833	0.000
25YR24HR	Boundary	BASE	125.01	0.00	0.00	0	0.23	0.00	3.852	0.000
25YR24HR	Boundary	BASE	126.01	0.00	0.00	0	0.23	0.00	3.871	0.000
25YR24HR	Boundary	BASE	127.01	0.00	0.00	0	0.23	0.00	3.890	0.000
25YR24HR	Boundary	BASE	128.01	0.00	0.00	0	0.22	0.00	3.909	0.000
25YR24HR	Boundary	BASE	129.01	0.00	0.00	0	0.22	0.00	3.927	0.000
25YR24HR	Boundary	BASE	130.01	0.00	0.00	0	0.22	0.00	3.945	0.000
25YR24HR	Boundary	BASE	131.01	0.00	0.00	0	0.22	0.00	3.963	0.000
25YR24HR	Boundary	BASE	132.01	0.00	0.00	0	0.21	0.00	3.981	0.000
25YR24HR	Boundary	BASE	133.01	0.00	0.00	0	0.21	0.00	3.998	0.000
25YR24HR	Boundary	BASE	134.01	0.00	0.00	0	0.21	0.00	4.016	0.000
25YR24HR	Boundary	BASE	135.01	0.00	0.00	0	0.21	0.00	4.033	0.000
25YR24HR	Boundary	BASE	136.01	0.00	0.00	0	0.20	0.00	4.050	0.000
25YR24HR	Boundary	BASE	137.01	0.00	0.00	0	0.20	0.00	4.067	0.000
25YR24HR	Boundary	BASE	138.01	0.00	0.00	0	0.20	0.00	4.083	0.000
25YR24HR	Boundary	BASE	139.01	0.00	0.00	0	0.20	0.00	4.100	0.000
25YR24HR	Boundary	BASE	140.01	0.00	0.00	0	0.20	0.00	4.116	0.000
25YR24HR	Boundary	BASE	141.01	0.00	0.00	0	0.19	0.00	4.132	0.000
25YR24HR	Boundary	BASE	142.01	0.00	0.00	0	0.19	0.00	4.148	0.000
25YR24HR	Boundary	BASE	143.01	0.00	0.00	0	0.19	0.00	4.164	0.000
25YR24HR	Boundary	BASE	144.01	0.00	0.00	0	0.19	0.00	4.180	0.000
25YR24HR	Boundary	BASE	145.01	0.00	0.00	0	0.18	0.00	4.195	0.000
25YR24HR	Boundary	BASE	146.01	0.00	0.00	0	0.18	0.00	4.210	0.000

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25YR24HR	Boundary	BASE	147.01	0.00	0.00	0	0.18	0.00	4.225	0.000
25YR24HR	Boundary	BASE	148.01	0.00	0.00	0	0.18	0.00	4.240	0.000
25YR24HR	Boundary	BASE	149.01	0.00	0.00	0	0.18	0.00	4.255	0.000
25YR24HR	Boundary	BASE	150.01	0.00	0.00	0	0.17	0.00	4.269	0.000
25YR24HR	Boundary	BASE	151.01	0.00	0.00	0	0.17	0.00	4.283	0.000
25YR24HR	Boundary	BASE	152.01	0.00	0.00	0	0.17	0.00	4.297	0.000
25YR24HR	Boundary	BASE	153.01	0.00	0.00	0	0.17	0.00	4.311	0.000
25YR24HR	Boundary	BASE	154.01	0.00	0.00	0	0.17	0.00	4.325	0.000
25YR24HR	Boundary	BASE	155.01	0.00	0.00	0	0.16	0.00	4.339	0.000
25YR24HR	Boundary	BASE	156.01	0.00	0.00	0	0.16	0.00	4.352	0.000
25YR24HR	Boundary	BASE	157.01	0.00	0.00	0	0.16	0.00	4.365	0.000
25YR24HR	Boundary	BASE	158.01	0.00	0.00	0	0.16	0.00	4.378	0.000
25YR24HR	Boundary	BASE	159.01	0.00	0.00	0	0.15	0.00	4.391	0.000
25YR24HR	Boundary	BASE	160.01	0.00	0.00	0	0.15	0.00	4.404	0.000
25YR24HR	Boundary	BASE	161.01	0.00	0.00	0	0.15	0.00	4.416	0.000
25YR24HR	Boundary	BASE	162.01	0.00	0.00	0	0.15	0.00	4.429	0.000
25YR24HR	Boundary	BASE	163.01	0.00	0.00	0	0.15	0.00	4.441	0.000
25YR24HR	Boundary	BASE	164.01	0.00	0.00	0	0.14	0.00	4.453	0.000
25YR24HR	Boundary	BASE	165.01	0.00	0.00	0	0.14	0.00	4.465	0.000
25YR24HR	Boundary	BASE	166.01	0.00	0.00	0	0.14	0.00	4.476	0.000
25YR24HR	Boundary	BASE	167.01	0.00	0.00	0	0.14	0.00	4.488	0.000
25YR24HR	Boundary	BASE	168.01	0.00	0.00	0	0.14	0.00	4.499	0.000
25YR24HR	Boundary	BASE	169.01	0.00	0.00	0	0.13	0.00	4.510	0.000
25YR24HR	Boundary	BASE	170.01	0.00	0.00	0	0.13	0.00	4.521	0.000
25YR24HR	Boundary	BASE	171.01	0.00	0.00	0	0.13	0.00	4.532	0.000
25YR24HR	Boundary	BASE	172.01	0.00	0.00	0	0.13	0.00	4.542	0.000
25YR24HR	Boundary	BASE	173.01	0.00	0.00	0	0.12	0.00	4.553	0.000
25YR24HR	Boundary	BASE	174.01	0.00	0.00	0	0.12	0.00	4.563	0.000
25YR24HR	Boundary	BASE	175.01	0.00	0.00	0	0.12	0.00	4.573	0.000
25YR24HR	Boundary	BASE	176.01	0.00	0.00	0	0.12	0.00	4.583	0.000
25YR24HR	Boundary	BASE	177.01	0.00	0.00	0	0.12	0.00	4.592	0.000
25YR24HR	Boundary	BASE	178.01	0.00	0.00	0	0.11	0.00	4.602	0.000
25YR24HR	Boundary	BASE	179.01	0.00	0.00	0	0.11	0.00	4.611	0.000
25YR24HR	Boundary	BASE	180.01	0.00	0.00	0	0.11	0.00	4.620	0.000
25YR24HR	Boundary	BASE	181.01	0.00	0.00	0	0.11	0.00	4.629	0.000
25YR24HR	Boundary	BASE	182.01	0.00	0.00	0	0.11	0.00	4.638	0.000
25YR24HR	Boundary	BASE	183.01	0.00	0.00	0	0.10	0.00	4.647	0.000
25YR24HR	Boundary	BASE	184.01	0.00	0.00	0	0.10	0.00	4.655	0.000
25YR24HR	Boundary	BASE	185.01	0.00	0.00	0	0.10	0.00	4.664	0.000
25YR24HR	Boundary	BASE	186.01	0.00	0.00	0	0.10	0.00	4.672	0.000
25YR24HR	Boundary	BASE	187.01	0.00	0.00	0	0.10	0.00	4.680	0.000
25YR24HR	Boundary	BASE	188.01	0.00	0.00	0	0.09	0.00	4.688	0.000
25YR24HR	Boundary	BASE	189.01	0.00	0.00	0	0.09	0.00	4.695	0.000
25YR24HR	Boundary	BASE	190.01	0.00	0.00	0	0.09	0.00	4.703	0.000
25YR24HR	Boundary	BASE	191.01	0.00	0.00	0	0.09	0.00	4.710	0.000
25YR24HR	Boundary	BASE	192.01	0.00	0.00	0	0.09	0.00	4.717	0.000
25YR24HR	Boundary	BASE	193.01	0.00	0.00	0	0.08	0.00	4.724	0.000
25YR24HR	Boundary	BASE	194.01	0.00	0.00	0	0.08	0.00	4.731	0.000
25YR24HR	Boundary	BASE	195.01	0.00	0.00	0	0.08	0.00	4.738	0.000

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	Boundary	BASE	196.01	0.00	0.00	0	0.08	0.00	4.744	0.000
25YR24HR	Boundary	BASE	197.01	0.00	0.00	0	0.07	0.00	4.750	0.000
25YR24HR	Boundary	BASE	198.01	0.00	0.00	0	0.07	0.00	4.756	0.000
25YR24HR	Boundary	BASE	199.01	0.00	0.00	0	0.07	0.00	4.762	0.000
25YR24HR	Boundary	BASE	200.00	0.00	0.00	0	0.07	0.00	4.768	0.000
25YR24HR	POND2	BASE	0.00	132.40	133.70	64469	0.00	0.07	0.000	0.000
25YR24HR	POND2	BASE	1.01	132.40	133.70	64451	0.00	0.07	0.000	0.006
25YR24HR	POND2	BASE	2.01	132.39	133.70	64434	0.00	0.07	0.000	0.012
25YR24HR	POND2	BASE	3.01	132.39	133.70	64417	0.00	0.07	0.000	0.018
25YR24HR	POND2	BASE	4.01	132.38	133.70	64399	0.00	0.07	0.000	0.024
25YR24HR	POND2	BASE	5.01	132.38	133.70	64382	0.00	0.07	0.000	0.029
25YR24HR	POND2	BASE	6.01	132.38	133.70	64365	0.00	0.07	0.000	0.035
25YR24HR	POND2	BASE	7.01	132.37	133.70	64348	0.00	0.07	0.000	0.041
25YR24HR	POND2	BASE	8.01	132.37	133.70	64331	0.00	0.07	0.000	0.047
25YR24HR	POND2	BASE	9.01	132.36	133.70	64315	0.00	0.07	0.000	0.052
25YR24HR	POND2	BASE	10.01	132.36	133.70	64298	0.00	0.07	0.000	0.058
25YR24HR	POND2	BASE	11.01	132.36	133.70	64281	0.00	0.07	0.000	0.064
25YR24HR	POND2	BASE	12.01	132.35	133.70	64265	0.00	0.07	0.000	0.069
25YR24HR	POND2	BASE	13.01	132.35	133.70	64248	0.00	0.07	0.000	0.075
25YR24HR	POND2	BASE	14.01	132.35	133.70	64232	0.00	0.07	0.000	0.080
25YR24HR	POND2	BASE	15.01	132.34	133.70	64216	0.00	0.07	0.000	0.086
25YR24HR	POND2	BASE	16.01	132.34	133.70	64199	0.00	0.07	0.000	0.091
25YR24HR	POND2	BASE	17.01	132.33	133.70	64183	0.00	0.07	0.000	0.097
25YR24HR	POND2	BASE	18.01	132.33	133.70	64167	0.00	0.07	0.000	0.102
25YR24HR	POND2	BASE	19.01	132.33	133.70	64151	0.00	0.07	0.000	0.108
25YR24HR	POND2	BASE	20.01	132.32	133.70	64135	0.00	0.06	0.000	0.113
25YR24HR	POND2	BASE	21.01	132.32	133.70	64119	0.00	0.06	0.000	0.118
25YR24HR	POND2	BASE	22.01	132.32	133.70	64104	0.00	0.06	0.000	0.124
25YR24HR	POND2	BASE	23.01	132.31	133.70	64088	0.00	0.06	0.000	0.129
25YR24HR	POND2	BASE	24.01	132.31	133.70	64072	0.00	0.06	0.000	0.134
25YR24HR	POND2	BASE	25.01	132.31	133.70	64057	0.00	0.06	0.000	0.139
25YR24HR	POND2	BASE	26.01	132.30	133.70	64042	0.00	0.06	0.000	0.145
25YR24HR	POND2	BASE	27.01	132.30	133.70	64026	0.00	0.06	0.000	0.150
25YR24HR	POND2	BASE	28.01	132.29	133.70	64011	0.00	0.06	0.000	0.155
25YR24HR	POND2	BASE	29.01	132.29	133.70	63996	0.00	0.06	0.000	0.160
25YR24HR	POND2	BASE	30.01	132.29	133.70	63981	0.00	0.06	0.000	0.165
25YR24HR	POND2	BASE	31.01	132.28	133.70	63966	0.00	0.06	0.000	0.170
25YR24HR	POND2	BASE	32.01	132.28	133.70	63951	0.00	0.06	0.000	0.175
25YR24HR	POND2	BASE	33.01	132.28	133.70	63936	0.00	0.06	0.000	0.180
25YR24HR	POND2	BASE	34.01	132.27	133.70	63921	0.00	0.06	0.000	0.185
25YR24HR	POND2	BASE	35.01	132.27	133.70	63907	0.00	0.06	0.000	0.190
25YR24HR	POND2	BASE	36.01	132.27	133.70	63892	0.00	0.06	0.000	0.195
25YR24HR	POND2	BASE	37.01	132.26	133.70	63877	0.00	0.06	0.000	0.200
25YR24HR	POND2	BASE	38.01	132.26	133.70	63863	0.00	0.06	0.000	0.205
25YR24HR	POND2	BASE	39.01	132.26	133.70	63849	0.00	0.06	0.000	0.210
25YR24HR	POND2	BASE	40.01	132.25	133.70	63834	0.00	0.06	0.000	0.214
25YR24HR	POND2	BASE	41.01	132.25	133.70	63820	0.00	0.06	0.000	0.219
25YR24HR	POND2	BASE	42.01	132.25	133.70	63806	0.00	0.06	0.000	0.224

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND2	BASE	43.01	132.24	133.70	63792	0.00	0.06	0.000	0.229
25YR24HR	POND2	BASE	44.01	132.24	133.70	63778	0.00	0.06	0.000	0.233
25YR24HR	POND2	BASE	45.01	132.24	133.70	63764	0.00	0.06	0.000	0.238
25YR24HR	POND2	BASE	46.01	132.24	133.70	63751	0.00	0.06	0.000	0.243
25YR24HR	POND2	BASE	47.01	132.23	133.70	63737	0.00	0.06	0.000	0.247
25YR24HR	POND2	BASE	48.01	132.23	133.70	63723	0.00	0.06	0.000	0.252
25YR24HR	POND2	BASE	49.01	132.23	133.70	63710	0.00	0.05	0.000	0.256
25YR24HR	POND2	BASE	50.01	132.22	133.70	63697	0.00	0.05	0.000	0.261
25YR24HR	POND2	BASE	51.01	132.22	133.70	63683	0.00	0.05	0.000	0.265
25YR24HR	POND2	BASE	52.01	132.22	133.70	63670	0.00	0.05	0.000	0.270
25YR24HR	POND2	BASE	53.01	132.21	133.70	63657	0.00	0.05	0.000	0.274
25YR24HR	POND2	BASE	54.01	132.21	133.70	63644	0.00	0.05	0.000	0.279
25YR24HR	POND2	BASE	55.01	132.21	133.70	63631	0.00	0.05	0.000	0.283
25YR24HR	POND2	BASE	56.01	132.20	133.70	63618	0.00	0.05	0.000	0.287
25YR24HR	POND2	BASE	57.01	132.20	133.70	63605	0.00	0.05	0.000	0.292
25YR24HR	POND2	BASE	58.01	132.20	133.70	63592	0.00	0.05	0.000	0.296
25YR24HR	POND2	BASE	59.01	132.20	133.70	63580	0.00	0.05	0.000	0.300
25YR24HR	POND2	BASE	60.01	132.19	133.70	63567	0.00	0.05	0.000	0.304
25YR24HR	POND2	BASE	61.01	132.19	133.70	63554	0.00	0.05	0.000	0.308
25YR24HR	POND2	BASE	62.01	132.19	133.70	63542	0.00	0.05	0.000	0.313
25YR24HR	POND2	BASE	63.01	132.18	133.70	63530	0.00	0.05	0.000	0.317
25YR24HR	POND2	BASE	64.01	132.18	133.70	63518	0.00	0.05	0.000	0.321
25YR24HR	POND2	BASE	65.01	132.18	133.70	63505	0.00	0.05	0.000	0.325
25YR24HR	POND2	BASE	66.01	132.18	133.70	63493	0.00	0.05	0.000	0.329
25YR24HR	POND2	BASE	67.01	132.17	133.70	63481	0.00	0.05	0.000	0.333
25YR24HR	POND2	BASE	68.01	132.17	133.70	63469	0.00	0.05	0.000	0.337
25YR24HR	POND2	BASE	69.01	132.17	133.70	63458	0.00	0.05	0.000	0.341
25YR24HR	POND2	BASE	70.01	132.17	133.70	63446	0.00	0.05	0.000	0.345
25YR24HR	POND2	BASE	71.01	132.16	133.70	63434	0.00	0.05	0.000	0.349
25YR24HR	POND2	BASE	72.01	132.16	133.70	63423	0.00	0.05	0.000	0.353
25YR24HR	POND2	BASE	73.01	132.16	133.70	63411	0.00	0.05	0.000	0.356
25YR24HR	POND2	BASE	74.01	132.15	133.70	63400	0.00	0.05	0.000	0.360
25YR24HR	POND2	BASE	75.01	132.15	133.70	63389	0.00	0.05	0.000	0.364
25YR24HR	POND2	BASE	76.01	132.15	133.70	63377	0.00	0.05	0.000	0.368
25YR24HR	POND2	BASE	77.01	132.15	133.70	63366	0.00	0.04	0.000	0.371
25YR24HR	POND2	BASE	78.01	132.14	133.70	63355	0.00	0.04	0.000	0.375
25YR24HR	POND2	BASE	79.01	132.14	133.70	63344	0.00	0.04	0.000	0.379
25YR24HR	POND2	BASE	80.01	132.14	133.70	63333	0.00	0.04	0.000	0.382
25YR24HR	POND2	BASE	81.01	132.14	133.70	63323	0.00	0.04	0.000	0.386
25YR24HR	POND2	BASE	82.01	132.13	133.70	63312	0.00	0.04	0.000	0.390
25YR24HR	POND2	BASE	83.01	132.13	133.70	63301	0.00	0.04	0.000	0.393
25YR24HR	POND2	BASE	84.01	132.13	133.70	63291	0.00	0.04	0.000	0.397
25YR24HR	POND2	BASE	85.01	132.13	133.70	63280	0.00	0.04	0.000	0.400
25YR24HR	POND2	BASE	86.01	132.12	133.70	63270	0.00	0.04	0.000	0.404
25YR24HR	POND2	BASE	87.01	132.12	133.70	63260	0.00	0.04	0.000	0.407
25YR24HR	POND2	BASE	88.01	132.12	133.70	63249	0.00	0.04	0.000	0.410
25YR24HR	POND2	BASE	89.01	132.12	133.70	63239	0.00	0.04	0.000	0.414
25YR24HR	POND2	BASE	90.01	132.12	133.70	63229	0.00	0.04	0.000	0.417
25YR24HR	POND2	BASE	91.01	132.11	133.70	63219	0.00	0.04	0.000	0.420



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25YR24HR	POND2	BASE	92.01	132.11	133.70	63210	0.00	0.04	0.000	0.424
25YR24HR	POND2	BASE	93.01	132.11	133.70	63200	0.00	0.04	0.000	0.427
25YR24HR	POND2	BASE	94.01	132.11	133.70	63190	0.00	0.04	0.000	0.430
25YR24HR	POND2	BASE	95.01	132.10	133.70	63181	0.00	0.04	0.000	0.433
25YR24HR	POND2	BASE	96.01	132.10	133.70	63171	0.00	0.04	0.000	0.436
25YR24HR	POND2	BASE	97.01	132.10	133.70	63162	0.00	0.04	0.000	0.439
25YR24HR	POND2	BASE	98.01	132.10	133.70	63153	0.00	0.04	0.000	0.443
25YR24HR	POND2	BASE	99.01	132.10	133.70	63144	0.00	0.04	0.000	0.446
25YR24HR	POND2	BASE	100.01	132.09	133.70	63135	0.00	0.04	0.000	0.448
25YR24HR	POND2	BASE	101.01	132.09	133.70	63126	0.00	0.03	0.000	0.451
25YR24HR	POND2	BASE	102.01	132.09	133.70	63118	0.00	0.03	0.000	0.454
25YR24HR	POND2	BASE	103.01	132.09	133.70	63109	0.00	0.03	0.000	0.457
25YR24HR	POND2	BASE	104.01	132.09	133.70	63101	0.00	0.03	0.000	0.460
25YR24HR	POND2	BASE	105.01	132.08	133.70	63093	0.00	0.03	0.000	0.462
25YR24HR	POND2	BASE	106.01	132.08	133.70	63085	0.00	0.03	0.000	0.465
25YR24HR	POND2	BASE	107.01	132.08	133.70	63077	0.00	0.03	0.000	0.468
25YR24HR	POND2	BASE	108.01	132.08	133.70	63069	0.00	0.03	0.000	0.470
25YR24HR	POND2	BASE	109.01	132.08	133.70	63062	0.00	0.03	0.000	0.473
25YR24HR	POND2	BASE	110.01	132.08	133.70	63054	0.00	0.03	0.000	0.475
25YR24HR	POND2	BASE	111.01	132.07	133.70	63047	0.00	0.03	0.000	0.478
25YR24HR	POND2	BASE	112.01	132.07	133.70	63039	0.00	0.03	0.000	0.480
25YR24HR	POND2	BASE	113.01	132.07	133.70	63032	0.00	0.03	0.000	0.483
25YR24HR	POND2	BASE	114.01	132.07	133.70	63025	0.00	0.03	0.000	0.485
25YR24HR	POND2	BASE	115.01	132.07	133.70	63018	0.00	0.03	0.000	0.487
25YR24HR	POND2	BASE	116.01	132.07	133.70	63011	0.00	0.03	0.000	0.490
25YR24HR	POND2	BASE	117.01	132.06	133.70	63004	0.00	0.03	0.000	0.492
25YR24HR	POND2	BASE	118.01	132.06	133.70	62997	0.00	0.03	0.000	0.494
25YR24HR	POND2	BASE	119.01	132.06	133.70	62990	0.00	0.03	0.000	0.497
25YR24HR	POND2	BASE	120.01	132.06	133.70	62983	0.00	0.03	0.000	0.499
25YR24HR	POND2	BASE	121.01	132.06	133.70	62977	0.00	0.03	0.000	0.501
25YR24HR	POND2	BASE	122.01	132.06	133.70	62970	0.00	0.03	0.000	0.503
25YR24HR	POND2	BASE	123.01	132.05	133.70	62963	0.00	0.03	0.000	0.506
25YR24HR	POND2	BASE	124.01	132.05	133.70	62957	0.00	0.03	0.000	0.508
25YR24HR	POND2	BASE	125.01	132.05	133.70	62951	0.00	0.03	0.000	0.510
25YR24HR	POND2	BASE	126.01	132.05	133.70	62944	0.00	0.03	0.000	0.512
25YR24HR	POND2	BASE	127.01	132.05	133.70	62938	0.00	0.02	0.000	0.514
25YR24HR	POND2	BASE	128.01	132.05	133.70	62932	0.00	0.02	0.000	0.516
25YR24HR	POND2	BASE	129.01	132.05	133.70	62926	0.00	0.02	0.000	0.518
25YR24HR	POND2	BASE	130.01	132.04	133.70	62920	0.00	0.02	0.000	0.520
25YR24HR	POND2	BASE	131.01	132.04	133.70	62914	0.00	0.02	0.000	0.522
25YR24HR	POND2	BASE	132.01	132.04	133.70	62908	0.00	0.02	0.000	0.524
25YR24HR	POND2	BASE	133.01	132.04	133.70	62902	0.00	0.02	0.000	0.526
25YR24HR	POND2	BASE	134.01	132.04	133.70	62897	0.00	0.02	0.000	0.528
25YR24HR	POND2	BASE	135.01	132.04	133.70	62891	0.00	0.02	0.000	0.529
25YR24HR	POND2	BASE	136.01	132.04	133.70	62886	0.00	0.02	0.000	0.531
25YR24HR	POND2	BASE	137.01	132.04	133.70	62880	0.00	0.02	0.000	0.533
25YR24HR	POND2	BASE	138.01	132.03	133.70	62875	0.00	0.02	0.000	0.535
25YR24HR	POND2	BASE	139.01	132.03	133.70	62870	0.00	0.02	0.000	0.537
25YR24HR	POND2	BASE	140.01	132.03	133.70	62865	0.00	0.02	0.000	0.538

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25YR24HR	POND2	BASE	141.01	132.03	133.70	62859	0.00	0.02	0.000	0.540
25YR24HR	POND2	BASE	142.01	132.03	133.70	62854	0.00	0.02	0.000	0.542
25YR24HR	POND2	BASE	143.01	132.03	133.70	62849	0.00	0.02	0.000	0.543
25YR24HR	POND2	BASE	144.01	132.03	133.70	62845	0.00	0.02	0.000	0.545
25YR24HR	POND2	BASE	145.01	132.03	133.70	62840	0.00	0.02	0.000	0.546
25YR24HR	POND2	BASE	146.01	132.02	133.70	62835	0.00	0.02	0.000	0.548
25YR24HR	POND2	BASE	147.01	132.02	133.70	62830	0.00	0.02	0.000	0.550
25YR24HR	POND2	BASE	148.01	132.02	133.70	62826	0.00	0.02	0.000	0.551
25YR24HR	POND2	BASE	149.01	132.02	133.70	62821	0.00	0.02	0.000	0.553
25YR24HR	POND2	BASE	150.01	132.02	133.70	62817	0.00	0.02	0.000	0.554
25YR24HR	POND2	BASE	151.01	132.02	133.70	62812	0.00	0.02	0.000	0.556
25YR24HR	POND2	BASE	152.01	132.02	133.70	62808	0.00	0.02	0.000	0.557
25YR24HR	POND2	BASE	153.01	132.02	133.70	62803	0.00	0.02	0.000	0.558
25YR24HR	POND2	BASE	154.01	132.02	133.70	62799	0.00	0.02	0.000	0.560
25YR24HR	POND2	BASE	155.01	132.02	133.70	62795	0.00	0.02	0.000	0.561
25YR24HR	POND2	BASE	156.01	132.01	133.70	62791	0.00	0.02	0.000	0.563
25YR24HR	POND2	BASE	157.01	132.01	133.70	62787	0.00	0.02	0.000	0.564
25YR24HR	POND2	BASE	158.01	132.01	133.70	62783	0.00	0.02	0.000	0.565
25YR24HR	POND2	BASE	159.01	132.01	133.70	62779	0.00	0.02	0.000	0.567
25YR24HR	POND2	BASE	160.01	132.01	133.70	62775	0.00	0.02	0.000	0.568
25YR24HR	POND2	BASE	161.01	132.01	133.70	62771	0.00	0.02	0.000	0.569
25YR24HR	POND2	BASE	162.01	132.01	133.70	62767	0.00	0.02	0.000	0.570
25YR24HR	POND2	BASE	163.01	132.01	133.70	62764	0.00	0.01	0.000	0.572
25YR24HR	POND2	BASE	164.01	132.01	133.70	62760	0.00	0.01	0.000	0.573
25YR24HR	POND2	BASE	165.01	132.01	133.70	62756	0.00	0.01	0.000	0.574
25YR24HR	POND2	BASE	166.01	132.01	133.70	62753	0.00	0.01	0.000	0.575
25YR24HR	POND2	BASE	167.01	132.01	133.70	62749	0.00	0.01	0.000	0.576
25YR24HR	POND2	BASE	168.01	132.00	133.70	62746	0.00	0.01	0.000	0.578
25YR24HR	POND2	BASE	169.01	132.00	133.70	62742	0.00	0.01	0.000	0.579
25YR24HR	POND2	BASE	170.01	132.00	133.70	62739	0.00	0.01	0.000	0.580
25YR24HR	POND2	BASE	171.01	132.00	133.70	62735	0.00	0.01	0.000	0.581
25YR24HR	POND2	BASE	172.01	132.00	133.70	62732	0.00	0.01	0.000	0.582
25YR24HR	POND2	BASE	173.01	132.00	133.70	62729	0.00	0.01	0.000	0.583
25YR24HR	POND2	BASE	174.01	132.00	133.70	62726	0.00	0.01	0.000	0.584
25YR24HR	POND2	BASE	175.01	132.00	133.70	62722	0.00	0.01	0.000	0.585
25YR24HR	POND2	BASE	176.01	132.00	133.70	62719	0.00	0.01	0.000	0.586
25YR24HR	POND2	BASE	177.01	132.00	133.70	62716	0.00	0.01	0.000	0.587
25YR24HR	POND2	BASE	178.01	132.00	133.70	62713	0.00	0.01	0.000	0.588
25YR24HR	POND2	BASE	179.01	132.00	133.70	62710	0.00	0.01	0.000	0.589
25YR24HR	POND2	BASE	180.01	132.00	133.70	62707	0.00	0.01	0.000	0.590
25YR24HR	POND2	BASE	181.01	131.99	133.70	62704	0.00	0.01	0.000	0.591
25YR24HR	POND2	BASE	182.01	131.99	133.70	62701	0.00	0.01	0.000	0.592
25YR24HR	POND2	BASE	183.01	131.99	133.70	62698	0.00	0.01	0.000	0.593
25YR24HR	POND2	BASE	184.01	131.99	133.70	62695	0.00	0.01	0.000	0.594
25YR24HR	POND2	BASE	185.01	131.99	133.70	62693	0.00	0.01	0.000	0.595
25YR24HR	POND2	BASE	186.01	131.99	133.70	62690	0.00	0.01	0.000	0.596
25YR24HR	POND2	BASE	187.01	131.99	133.70	62687	0.00	0.01	0.000	0.597
25YR24HR	POND2	BASE	188.01	131.99	133.70	62684	0.00	0.01	0.000	0.598
25YR24HR	POND2	BASE	189.01	131.99	133.70	62682	0.00	0.01	0.000	0.599

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25YR24HR	POND2	BASE	190.01	131.99	133.70	62679	0.00	0.01	0.000	0.600
25YR24HR	POND2	BASE	191.01	131.99	133.70	62677	0.00	0.01	0.000	0.600
25YR24HR	POND2	BASE	192.01	131.99	133.70	62674	0.00	0.01	0.000	0.601
25YR24HR	POND2	BASE	193.01	131.99	133.70	62671	0.00	0.01	0.000	0.602
25YR24HR	POND2	BASE	194.01	131.99	133.70	62669	0.00	0.01	0.000	0.603
25YR24HR	POND2	BASE	195.01	131.99	133.70	62666	0.00	0.01	0.000	0.604
25YR24HR	POND2	BASE	196.01	131.99	133.70	62664	0.00	0.01	0.000	0.605
25YR24HR	POND2	BASE	197.01	131.99	133.70	62662	0.00	0.01	0.000	0.605
25YR24HR	POND2	BASE	198.01	131.98	133.70	62659	0.00	0.01	0.000	0.606
25YR24HR	POND2	BASE	199.01	131.98	133.70	62657	0.00	0.01	0.000	0.607
25YR24HR	POND2	BASE	200.00	131.98	133.70	62655	0.00	0.01	0.000	0.608
25YR24HR	POND3	BASE	0.00	133.30	135.10	91476	0.00	0.07	0.000	0.000
25YR24HR	POND3	BASE	1.01	133.30	135.10	91460	0.00	0.07	0.000	0.006
25YR24HR	POND3	BASE	2.01	133.29	135.10	91444	0.00	0.07	0.000	0.012
25YR24HR	POND3	BASE	3.01	133.29	135.10	91428	0.00	0.07	0.000	0.019
25YR24HR	POND3	BASE	4.01	133.29	135.10	91412	0.00	0.07	0.000	0.025
25YR24HR	POND3	BASE	5.01	133.29	135.10	91396	0.00	0.07	0.000	0.031
25YR24HR	POND3	BASE	6.01	133.28	135.10	91380	0.00	0.07	0.000	0.037
25YR24HR	POND3	BASE	7.01	133.28	135.10	91365	0.00	0.07	0.000	0.043
25YR24HR	POND3	BASE	8.01	133.28	135.10	91349	0.00	0.07	0.000	0.049
25YR24HR	POND3	BASE	9.01	133.27	135.10	91334	0.00	0.07	0.000	0.055
25YR24HR	POND3	BASE	10.01	133.27	135.10	91318	0.00	0.07	0.000	0.061
25YR24HR	POND3	BASE	11.01	133.27	135.10	91303	0.00	0.07	0.000	0.067
25YR24HR	POND3	BASE	12.01	133.27	135.10	91287	0.00	0.07	0.000	0.073
25YR24HR	POND3	BASE	13.01	133.26	135.10	91272	0.00	0.07	0.000	0.079
25YR24HR	POND3	BASE	14.01	133.26	135.10	91256	0.00	0.07	0.000	0.085
25YR24HR	POND3	BASE	15.01	133.26	135.10	91241	0.00	0.07	0.000	0.090
25YR24HR	POND3	BASE	16.01	133.25	135.10	91226	0.00	0.07	0.000	0.096
25YR24HR	POND3	BASE	17.01	133.25	135.10	91211	0.00	0.07	0.000	0.102
25YR24HR	POND3	BASE	18.01	133.25	135.10	91196	0.00	0.07	0.000	0.108
25YR24HR	POND3	BASE	19.01	133.25	135.10	91181	0.00	0.07	0.000	0.114
25YR24HR	POND3	BASE	20.01	133.24	135.10	91166	0.00	0.07	0.000	0.119
25YR24HR	POND3	BASE	21.01	133.24	135.10	91151	0.00	0.07	0.000	0.125
25YR24HR	POND3	BASE	22.01	133.24	135.10	91136	0.00	0.07	0.000	0.131
25YR24HR	POND3	BASE	23.01	133.23	135.10	91121	0.00	0.07	0.000	0.136
25YR24HR	POND3	BASE	24.01	133.23	135.10	91107	0.00	0.07	0.000	0.142
25YR24HR	POND3	BASE	25.01	133.23	135.10	91092	0.00	0.07	0.000	0.148
25YR24HR	POND3	BASE	26.01	133.23	135.10	91077	0.00	0.07	0.000	0.153
25YR24HR	POND3	BASE	27.01	133.22	135.10	91063	0.00	0.07	0.000	0.159
25YR24HR	POND3	BASE	28.01	133.22	135.10	91048	0.00	0.07	0.000	0.165
25YR24HR	POND3	BASE	29.01	133.22	135.10	91034	0.00	0.07	0.000	0.170
25YR24HR	POND3	BASE	30.01	133.22	135.10	91020	0.00	0.07	0.000	0.176
25YR24HR	POND3	BASE	31.01	133.21	135.10	91005	0.00	0.07	0.000	0.181
25YR24HR	POND3	BASE	32.01	133.21	135.10	90991	0.00	0.07	0.000	0.187
25YR24HR	POND3	BASE	33.01	133.21	135.10	90977	0.00	0.07	0.000	0.192
25YR24HR	POND3	BASE	34.01	133.21	135.10	90963	0.00	0.07	0.000	0.197
25YR24HR	POND3	BASE	35.01	133.20	135.10	90948	0.00	0.07	0.000	0.203
25YR24HR	POND3	BASE	36.01	133.20	135.10	90934	0.00	0.06	0.000	0.208

Recovery Analysis (Ponds 2-7)  
 CR 557 Widening  
 Time Series Report

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND3	BASE	37.01	133.20	135.10	90920	0.00	0.06	0.000	0.214
25YR24HR	POND3	BASE	38.01	133.20	135.10	90907	0.00	0.06	0.000	0.219
25YR24HR	POND3	BASE	39.01	133.19	135.10	90893	0.00	0.06	0.000	0.224
25YR24HR	POND3	BASE	40.01	133.19	135.10	90879	0.00	0.06	0.000	0.230
25YR24HR	POND3	BASE	41.01	133.19	135.10	90865	0.00	0.06	0.000	0.235
25YR24HR	POND3	BASE	42.01	133.19	135.10	90851	0.00	0.06	0.000	0.240
25YR24HR	POND3	BASE	43.01	133.18	135.10	90838	0.00	0.06	0.000	0.245
25YR24HR	POND3	BASE	44.01	133.18	135.10	90824	0.00	0.06	0.000	0.250
25YR24HR	POND3	BASE	45.01	133.18	135.10	90811	0.00	0.06	0.000	0.256
25YR24HR	POND3	BASE	46.01	133.18	135.10	90797	0.00	0.06	0.000	0.261
25YR24HR	POND3	BASE	47.01	133.17	135.10	90784	0.00	0.06	0.000	0.266
25YR24HR	POND3	BASE	48.01	133.17	135.10	90771	0.00	0.06	0.000	0.271
25YR24HR	POND3	BASE	49.01	133.17	135.10	90757	0.00	0.06	0.000	0.276
25YR24HR	POND3	BASE	50.01	133.17	135.10	90744	0.00	0.06	0.000	0.281
25YR24HR	POND3	BASE	51.01	133.16	135.10	90731	0.00	0.06	0.000	0.286
25YR24HR	POND3	BASE	52.01	133.16	135.10	90718	0.00	0.06	0.000	0.291
25YR24HR	POND3	BASE	53.01	133.16	135.10	90705	0.00	0.06	0.000	0.296
25YR24HR	POND3	BASE	54.01	133.16	135.10	90692	0.00	0.06	0.000	0.301
25YR24HR	POND3	BASE	55.01	133.15	135.10	90679	0.00	0.06	0.000	0.306
25YR24HR	POND3	BASE	56.01	133.15	135.10	90666	0.00	0.06	0.000	0.311
25YR24HR	POND3	BASE	57.01	133.15	135.10	90653	0.00	0.06	0.000	0.316
25YR24HR	POND3	BASE	58.01	133.15	135.10	90640	0.00	0.06	0.000	0.321
25YR24HR	POND3	BASE	59.01	133.14	135.10	90628	0.00	0.06	0.000	0.326
25YR24HR	POND3	BASE	60.01	133.14	135.10	90615	0.00	0.06	0.000	0.330
25YR24HR	POND3	BASE	61.01	133.14	135.10	90602	0.00	0.06	0.000	0.335
25YR24HR	POND3	BASE	62.01	133.14	135.10	90590	0.00	0.06	0.000	0.340
25YR24HR	POND3	BASE	63.01	133.13	135.10	90577	0.00	0.06	0.000	0.345
25YR24HR	POND3	BASE	64.01	133.13	135.10	90565	0.00	0.06	0.000	0.350
25YR24HR	POND3	BASE	65.01	133.13	135.10	90553	0.00	0.06	0.000	0.354
25YR24HR	POND3	BASE	66.01	133.13	135.10	90540	0.00	0.06	0.000	0.359
25YR24HR	POND3	BASE	67.01	133.13	135.10	90528	0.00	0.06	0.000	0.364
25YR24HR	POND3	BASE	68.01	133.12	135.10	90516	0.00	0.06	0.000	0.368
25YR24HR	POND3	BASE	69.01	133.12	135.10	90504	0.00	0.06	0.000	0.373
25YR24HR	POND3	BASE	70.01	133.12	135.10	90492	0.00	0.06	0.000	0.378
25YR24HR	POND3	BASE	71.01	133.12	135.10	90480	0.00	0.06	0.000	0.382
25YR24HR	POND3	BASE	72.01	133.11	135.10	90468	0.00	0.05	0.000	0.387
25YR24HR	POND3	BASE	73.01	133.11	135.10	90456	0.00	0.05	0.000	0.391
25YR24HR	POND3	BASE	74.01	133.11	135.10	90444	0.00	0.05	0.000	0.396
25YR24HR	POND3	BASE	75.01	133.11	135.10	90433	0.00	0.05	0.000	0.400
25YR24HR	POND3	BASE	76.01	133.11	135.10	90421	0.00	0.05	0.000	0.405
25YR24HR	POND3	BASE	77.01	133.10	135.10	90409	0.00	0.05	0.000	0.409
25YR24HR	POND3	BASE	78.01	133.10	135.10	90398	0.00	0.05	0.000	0.413
25YR24HR	POND3	BASE	79.01	133.10	135.10	90386	0.00	0.05	0.000	0.418
25YR24HR	POND3	BASE	80.01	133.10	135.10	90375	0.00	0.05	0.000	0.422
25YR24HR	POND3	BASE	81.01	133.10	135.10	90363	0.00	0.05	0.000	0.427
25YR24HR	POND3	BASE	82.01	133.09	135.10	90352	0.00	0.05	0.000	0.431
25YR24HR	POND3	BASE	83.01	133.09	135.10	90341	0.00	0.05	0.000	0.435
25YR24HR	POND3	BASE	84.01	133.09	135.10	90329	0.00	0.05	0.000	0.439
25YR24HR	POND3	BASE	85.01	133.09	135.10	90318	0.00	0.05	0.000	0.444

Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND3	BASE	86.01	133.09	135.10	90307	0.00	0.05	0.000	0.448
25YR24HR	POND3	BASE	87.01	133.08	135.10	90296	0.00	0.05	0.000	0.452
25YR24HR	POND3	BASE	88.01	133.08	135.10	90285	0.00	0.05	0.000	0.456
25YR24HR	POND3	BASE	89.01	133.08	135.10	90274	0.00	0.05	0.000	0.460
25YR24HR	POND3	BASE	90.01	133.08	135.10	90263	0.00	0.05	0.000	0.465
25YR24HR	POND3	BASE	91.01	133.08	135.10	90252	0.00	0.05	0.000	0.469
25YR24HR	POND3	BASE	92.01	133.07	135.10	90242	0.00	0.05	0.000	0.473
25YR24HR	POND3	BASE	93.01	133.07	135.10	90231	0.00	0.05	0.000	0.477
25YR24HR	POND3	BASE	94.01	133.07	135.10	90220	0.00	0.05	0.000	0.481
25YR24HR	POND3	BASE	95.01	133.07	135.10	90210	0.00	0.05	0.000	0.485
25YR24HR	POND3	BASE	96.01	133.07	135.10	90199	0.00	0.05	0.000	0.489
25YR24HR	POND3	BASE	97.01	133.06	135.10	90189	0.00	0.05	0.000	0.493
25YR24HR	POND3	BASE	98.01	133.06	135.10	90178	0.00	0.05	0.000	0.497
25YR24HR	POND3	BASE	99.01	133.06	135.10	90168	0.00	0.05	0.000	0.501
25YR24HR	POND3	BASE	100.01	133.06	135.10	90158	0.00	0.05	0.000	0.505
25YR24HR	POND3	BASE	101.01	133.06	135.10	90148	0.00	0.05	0.000	0.509
25YR24HR	POND3	BASE	102.01	133.05	135.10	90138	0.00	0.05	0.000	0.512
25YR24HR	POND3	BASE	103.01	133.05	135.10	90127	0.00	0.05	0.000	0.516
25YR24HR	POND3	BASE	104.01	133.05	135.10	90117	0.00	0.05	0.000	0.520
25YR24HR	POND3	BASE	105.01	133.05	135.10	90107	0.00	0.05	0.000	0.524
25YR24HR	POND3	BASE	106.01	133.05	135.10	90098	0.00	0.05	0.000	0.528
25YR24HR	POND3	BASE	107.01	133.05	135.10	90088	0.00	0.05	0.000	0.531
25YR24HR	POND3	BASE	108.01	133.04	135.10	90078	0.00	0.04	0.000	0.535
25YR24HR	POND3	BASE	109.01	133.04	135.10	90068	0.00	0.04	0.000	0.539
25YR24HR	POND3	BASE	110.01	133.04	135.10	90058	0.00	0.04	0.000	0.542
25YR24HR	POND3	BASE	111.01	133.04	135.10	90049	0.00	0.04	0.000	0.546
25YR24HR	POND3	BASE	112.01	133.04	135.10	90039	0.00	0.04	0.000	0.550
25YR24HR	POND3	BASE	113.01	133.03	135.10	90030	0.00	0.04	0.000	0.553
25YR24HR	POND3	BASE	114.01	133.03	135.10	90020	0.00	0.04	0.000	0.557
25YR24HR	POND3	BASE	115.01	133.03	135.10	90011	0.00	0.04	0.000	0.560
25YR24HR	POND3	BASE	116.01	133.03	135.10	90002	0.00	0.04	0.000	0.564
25YR24HR	POND3	BASE	117.01	133.03	135.10	89992	0.00	0.04	0.000	0.568
25YR24HR	POND3	BASE	118.01	133.03	135.10	89983	0.00	0.04	0.000	0.571
25YR24HR	POND3	BASE	119.01	133.02	135.10	89974	0.00	0.04	0.000	0.574
25YR24HR	POND3	BASE	120.01	133.02	135.10	89965	0.00	0.04	0.000	0.578
25YR24HR	POND3	BASE	121.01	133.02	135.10	89956	0.00	0.04	0.000	0.581
25YR24HR	POND3	BASE	122.01	133.02	135.10	89947	0.00	0.04	0.000	0.585
25YR24HR	POND3	BASE	123.01	133.02	135.10	89938	0.00	0.04	0.000	0.588
25YR24HR	POND3	BASE	124.01	133.02	135.10	89929	0.00	0.04	0.000	0.591
25YR24HR	POND3	BASE	125.01	133.01	135.10	89921	0.00	0.04	0.000	0.595
25YR24HR	POND3	BASE	126.01	133.01	135.10	89912	0.00	0.04	0.000	0.598
25YR24HR	POND3	BASE	127.01	133.01	135.10	89903	0.00	0.04	0.000	0.601
25YR24HR	POND3	BASE	128.01	133.01	135.10	89895	0.00	0.04	0.000	0.605
25YR24HR	POND3	BASE	129.01	133.01	135.10	89886	0.00	0.04	0.000	0.608
25YR24HR	POND3	BASE	130.01	133.01	135.10	89878	0.00	0.04	0.000	0.611
25YR24HR	POND3	BASE	131.01	133.00	135.10	89869	0.00	0.04	0.000	0.614
25YR24HR	POND3	BASE	132.01	133.00	135.10	89861	0.00	0.04	0.000	0.617
25YR24HR	POND3	BASE	133.01	133.00	135.10	89853	0.00	0.04	0.000	0.621
25YR24HR	POND3	BASE	134.01	133.00	135.10	89844	0.00	0.04	0.000	0.624

Dewberry Engineers, Inc.  
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Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND3	BASE	135.01	133.00	135.10	89836	0.00	0.04	0.000	0.627
25YR24HR	POND3	BASE	136.01	133.00	135.10	89828	0.00	0.04	0.000	0.630
25YR24HR	POND3	BASE	137.01	133.00	135.10	89820	0.00	0.04	0.000	0.633
25YR24HR	POND3	BASE	138.01	132.99	135.10	89812	0.00	0.04	0.000	0.636
25YR24HR	POND3	BASE	139.01	132.99	135.10	89804	0.00	0.04	0.000	0.639
25YR24HR	POND3	BASE	140.01	132.99	135.10	89796	0.00	0.04	0.000	0.642
25YR24HR	POND3	BASE	141.01	132.99	135.10	89789	0.00	0.04	0.000	0.645
25YR24HR	POND3	BASE	142.01	132.99	135.10	89781	0.00	0.04	0.000	0.648
25YR24HR	POND3	BASE	143.01	132.99	135.10	89773	0.00	0.04	0.000	0.651
25YR24HR	POND3	BASE	144.01	132.99	135.10	89766	0.00	0.03	0.000	0.653
25YR24HR	POND3	BASE	145.01	132.98	135.10	89758	0.00	0.03	0.000	0.656
25YR24HR	POND3	BASE	146.01	132.98	135.10	89751	0.00	0.03	0.000	0.659
25YR24HR	POND3	BASE	147.01	132.98	135.10	89743	0.00	0.03	0.000	0.662
25YR24HR	POND3	BASE	148.01	132.98	135.10	89736	0.00	0.03	0.000	0.665
25YR24HR	POND3	BASE	149.01	132.98	135.10	89728	0.00	0.03	0.000	0.668
25YR24HR	POND3	BASE	150.01	132.98	135.10	89721	0.00	0.03	0.000	0.670
25YR24HR	POND3	BASE	151.01	132.98	135.10	89714	0.00	0.03	0.000	0.673
25YR24HR	POND3	BASE	152.01	132.98	135.10	89707	0.00	0.03	0.000	0.676
25YR24HR	POND3	BASE	153.01	132.97	135.10	89700	0.00	0.03	0.000	0.678
25YR24HR	POND3	BASE	154.01	132.97	135.10	89693	0.00	0.03	0.000	0.681
25YR24HR	POND3	BASE	155.01	132.97	135.10	89686	0.00	0.03	0.000	0.684
25YR24HR	POND3	BASE	156.01	132.97	135.10	89679	0.00	0.03	0.000	0.686
25YR24HR	POND3	BASE	157.01	132.97	135.10	89672	0.00	0.03	0.000	0.689
25YR24HR	POND3	BASE	158.01	132.97	135.10	89665	0.00	0.03	0.000	0.691
25YR24HR	POND3	BASE	159.01	132.97	135.10	89659	0.00	0.03	0.000	0.694
25YR24HR	POND3	BASE	160.01	132.97	135.10	89652	0.00	0.03	0.000	0.696
25YR24HR	POND3	BASE	161.01	132.96	135.10	89645	0.00	0.03	0.000	0.699
25YR24HR	POND3	BASE	162.01	132.96	135.10	89639	0.00	0.03	0.000	0.701
25YR24HR	POND3	BASE	163.01	132.96	135.10	89632	0.00	0.03	0.000	0.704
25YR24HR	POND3	BASE	164.01	132.96	135.10	89626	0.00	0.03	0.000	0.706
25YR24HR	POND3	BASE	165.01	132.96	135.10	89620	0.00	0.03	0.000	0.709
25YR24HR	POND3	BASE	166.01	132.96	135.10	89614	0.00	0.03	0.000	0.711
25YR24HR	POND3	BASE	167.01	132.96	135.10	89607	0.00	0.03	0.000	0.713
25YR24HR	POND3	BASE	168.01	132.96	135.10	89601	0.00	0.03	0.000	0.716
25YR24HR	POND3	BASE	169.01	132.95	135.10	89595	0.00	0.03	0.000	0.718
25YR24HR	POND3	BASE	170.01	132.95	135.10	89589	0.00	0.03	0.000	0.720
25YR24HR	POND3	BASE	171.01	132.95	135.10	89583	0.00	0.03	0.000	0.722
25YR24HR	POND3	BASE	172.01	132.95	135.10	89577	0.00	0.03	0.000	0.725
25YR24HR	POND3	BASE	173.01	132.95	135.10	89571	0.00	0.03	0.000	0.727
25YR24HR	POND3	BASE	174.01	132.95	135.10	89566	0.00	0.03	0.000	0.729
25YR24HR	POND3	BASE	175.01	132.95	135.10	89560	0.00	0.03	0.000	0.731
25YR24HR	POND3	BASE	176.01	132.95	135.10	89554	0.00	0.03	0.000	0.733
25YR24HR	POND3	BASE	177.01	132.95	135.10	89549	0.00	0.03	0.000	0.736
25YR24HR	POND3	BASE	178.01	132.95	135.10	89543	0.00	0.03	0.000	0.738
25YR24HR	POND3	BASE	179.01	132.94	135.10	89538	0.00	0.02	0.000	0.740
25YR24HR	POND3	BASE	180.01	132.94	135.10	89532	0.00	0.02	0.000	0.742
25YR24HR	POND3	BASE	181.01	132.94	135.10	89527	0.00	0.02	0.000	0.744
25YR24HR	POND3	BASE	182.01	132.94	135.10	89522	0.00	0.02	0.000	0.746
25YR24HR	POND3	BASE	183.01	132.94	135.10	89516	0.00	0.02	0.000	0.748

Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND3	BASE	184.01	132.94	135.10	89511	0.00	0.02	0.000	0.750
25YR24HR	POND3	BASE	185.01	132.94	135.10	89506	0.00	0.02	0.000	0.752
25YR24HR	POND3	BASE	186.01	132.94	135.10	89501	0.00	0.02	0.000	0.753
25YR24HR	POND3	BASE	187.01	132.94	135.10	89496	0.00	0.02	0.000	0.755
25YR24HR	POND3	BASE	188.01	132.94	135.10	89491	0.00	0.02	0.000	0.757
25YR24HR	POND3	BASE	189.01	132.93	135.10	89486	0.00	0.02	0.000	0.759
25YR24HR	POND3	BASE	190.01	132.93	135.10	89481	0.00	0.02	0.000	0.761
25YR24HR	POND3	BASE	191.01	132.93	135.10	89477	0.00	0.02	0.000	0.763
25YR24HR	POND3	BASE	192.01	132.93	135.10	89472	0.00	0.02	0.000	0.764
25YR24HR	POND3	BASE	193.01	132.93	135.10	89467	0.00	0.02	0.000	0.766
25YR24HR	POND3	BASE	194.01	132.93	135.10	89463	0.00	0.02	0.000	0.768
25YR24HR	POND3	BASE	195.01	132.93	135.10	89458	0.00	0.02	0.000	0.770
25YR24HR	POND3	BASE	196.01	132.93	135.10	89454	0.00	0.02	0.000	0.771
25YR24HR	POND3	BASE	197.01	132.93	135.10	89450	0.00	0.02	0.000	0.773
25YR24HR	POND3	BASE	198.01	132.93	135.10	89445	0.00	0.02	0.000	0.774
25YR24HR	POND3	BASE	199.01	132.93	135.10	89441	0.00	0.02	0.000	0.776
25YR24HR	POND3	BASE	200.00	132.93	135.10	89437	0.00	0.02	0.000	0.778
25YR24HR	POND4	BASE	0.00	133.20	134.70	39204	0.00	0.05	0.000	0.000
25YR24HR	POND4	BASE	1.01	133.20	134.70	39187	0.00	0.05	0.000	0.004
25YR24HR	POND4	BASE	2.01	133.19	134.70	39171	0.00	0.05	0.000	0.008
25YR24HR	POND4	BASE	3.01	133.19	134.70	39154	0.00	0.05	0.000	0.012
25YR24HR	POND4	BASE	4.01	133.18	134.70	39138	0.00	0.05	0.000	0.016
25YR24HR	POND4	BASE	5.01	133.18	134.70	39122	0.00	0.05	0.000	0.020
25YR24HR	POND4	BASE	6.01	133.17	134.70	39106	0.00	0.05	0.000	0.024
25YR24HR	POND4	BASE	7.01	133.17	134.70	39089	0.00	0.05	0.000	0.028
25YR24HR	POND4	BASE	8.01	133.16	134.70	39073	0.00	0.05	0.000	0.032
25YR24HR	POND4	BASE	9.01	133.16	134.70	39057	0.00	0.05	0.000	0.036
25YR24HR	POND4	BASE	10.01	133.16	134.70	39041	0.00	0.05	0.000	0.040
25YR24HR	POND4	BASE	11.01	133.15	134.70	39025	0.00	0.05	0.000	0.044
25YR24HR	POND4	BASE	12.01	133.15	134.70	39009	0.00	0.05	0.000	0.048
25YR24HR	POND4	BASE	13.01	133.14	134.70	38993	0.00	0.05	0.000	0.052
25YR24HR	POND4	BASE	14.01	133.14	134.70	38978	0.00	0.05	0.000	0.056
25YR24HR	POND4	BASE	15.01	133.13	134.70	38962	0.00	0.05	0.000	0.060
25YR24HR	POND4	BASE	16.01	133.13	134.70	38946	0.00	0.05	0.000	0.064
25YR24HR	POND4	BASE	17.01	133.12	134.70	38931	0.00	0.05	0.000	0.068
25YR24HR	POND4	BASE	18.01	133.12	134.70	38915	0.00	0.05	0.000	0.071
25YR24HR	POND4	BASE	19.01	133.12	134.70	38900	0.00	0.05	0.000	0.075
25YR24HR	POND4	BASE	20.01	133.11	134.70	38884	0.00	0.05	0.000	0.079
25YR24HR	POND4	BASE	21.01	133.11	134.70	38869	0.00	0.05	0.000	0.083
25YR24HR	POND4	BASE	22.01	133.10	134.70	38854	0.00	0.05	0.000	0.087
25YR24HR	POND4	BASE	23.01	133.10	134.70	38838	0.00	0.05	0.000	0.090
25YR24HR	POND4	BASE	24.01	133.10	134.70	38823	0.00	0.05	0.000	0.094
25YR24HR	POND4	BASE	25.01	133.09	134.70	38808	0.00	0.04	0.000	0.098
25YR24HR	POND4	BASE	26.01	133.09	134.70	38793	0.00	0.04	0.000	0.101
25YR24HR	POND4	BASE	27.01	133.08	134.70	38778	0.00	0.04	0.000	0.105
25YR24HR	POND4	BASE	28.01	133.08	134.70	38763	0.00	0.04	0.000	0.109
25YR24HR	POND4	BASE	29.01	133.07	134.70	38748	0.00	0.04	0.000	0.112
25YR24HR	POND4	BASE	30.01	133.07	134.70	38733	0.00	0.04	0.000	0.116

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25YR24HR	POND4	BASE	31.01	133.07	134.70	38718	0.00	0.04	0.000	0.120
25YR24HR	POND4	BASE	32.01	133.06	134.70	38704	0.00	0.04	0.000	0.123
25YR24HR	POND4	BASE	33.01	133.06	134.70	38689	0.00	0.04	0.000	0.127
25YR24HR	POND4	BASE	34.01	133.05	134.70	38674	0.00	0.04	0.000	0.130
25YR24HR	POND4	BASE	35.01	133.05	134.70	38660	0.00	0.04	0.000	0.134
25YR24HR	POND4	BASE	36.01	133.05	134.70	38645	0.00	0.04	0.000	0.138
25YR24HR	POND4	BASE	37.01	133.04	134.70	38631	0.00	0.04	0.000	0.141
25YR24HR	POND4	BASE	38.01	133.04	134.70	38616	0.00	0.04	0.000	0.145
25YR24HR	POND4	BASE	39.01	133.03	134.70	38602	0.00	0.04	0.000	0.148
25YR24HR	POND4	BASE	40.01	133.03	134.70	38588	0.00	0.04	0.000	0.152
25YR24HR	POND4	BASE	41.01	133.03	134.70	38574	0.00	0.04	0.000	0.155
25YR24HR	POND4	BASE	42.01	133.02	134.70	38559	0.00	0.04	0.000	0.159
25YR24HR	POND4	BASE	43.01	133.02	134.70	38545	0.00	0.04	0.000	0.162
25YR24HR	POND4	BASE	44.01	133.01	134.70	38531	0.00	0.04	0.000	0.165
25YR24HR	POND4	BASE	45.01	133.01	134.70	38517	0.00	0.04	0.000	0.169
25YR24HR	POND4	BASE	46.01	133.01	134.70	38503	0.00	0.04	0.000	0.172
25YR24HR	POND4	BASE	47.01	133.00	134.70	38490	0.00	0.04	0.000	0.176
25YR24HR	POND4	BASE	48.01	133.00	134.70	38476	0.00	0.04	0.000	0.179
25YR24HR	POND4	BASE	49.01	133.00	134.70	38462	0.00	0.04	0.000	0.182
25YR24HR	POND4	BASE	50.01	132.99	134.70	38448	0.00	0.04	0.000	0.186
25YR24HR	POND4	BASE	51.01	132.99	134.70	38435	0.00	0.04	0.000	0.189
25YR24HR	POND4	BASE	52.01	132.98	134.70	38421	0.00	0.04	0.000	0.192
25YR24HR	POND4	BASE	53.01	132.98	134.70	38408	0.00	0.04	0.000	0.195
25YR24HR	POND4	BASE	54.01	132.98	134.70	38394	0.00	0.04	0.000	0.199
25YR24HR	POND4	BASE	55.01	132.97	134.70	38381	0.00	0.04	0.000	0.202
25YR24HR	POND4	BASE	56.01	132.97	134.70	38368	0.00	0.04	0.000	0.205
25YR24HR	POND4	BASE	57.01	132.97	134.70	38354	0.00	0.04	0.000	0.208
25YR24HR	POND4	BASE	58.01	132.96	134.70	38341	0.00	0.04	0.000	0.212
25YR24HR	POND4	BASE	59.01	132.96	134.70	38328	0.00	0.04	0.000	0.215
25YR24HR	POND4	BASE	60.01	132.96	134.70	38315	0.00	0.04	0.000	0.218
25YR24HR	POND4	BASE	61.01	132.95	134.70	38302	0.00	0.04	0.000	0.221
25YR24HR	POND4	BASE	62.01	132.95	134.70	38289	0.00	0.04	0.000	0.224
25YR24HR	POND4	BASE	63.01	132.94	134.70	38276	0.00	0.04	0.000	0.227
25YR24HR	POND4	BASE	64.01	132.94	134.70	38264	0.00	0.04	0.000	0.230
25YR24HR	POND4	BASE	65.01	132.94	134.70	38251	0.00	0.04	0.000	0.233
25YR24HR	POND4	BASE	66.01	132.93	134.70	38238	0.00	0.04	0.000	0.237
25YR24HR	POND4	BASE	67.01	132.93	134.70	38225	0.00	0.04	0.000	0.240
25YR24HR	POND4	BASE	68.01	132.93	134.70	38213	0.00	0.04	0.000	0.243
25YR24HR	POND4	BASE	69.01	132.92	134.70	38200	0.00	0.04	0.000	0.246
25YR24HR	POND4	BASE	70.01	132.92	134.70	38188	0.00	0.04	0.000	0.249
25YR24HR	POND4	BASE	71.01	132.92	134.70	38176	0.00	0.04	0.000	0.252
25YR24HR	POND4	BASE	72.01	132.91	134.70	38163	0.00	0.04	0.000	0.255
25YR24HR	POND4	BASE	73.01	132.91	134.70	38151	0.00	0.04	0.000	0.258
25YR24HR	POND4	BASE	74.01	132.91	134.70	38139	0.00	0.04	0.000	0.260
25YR24HR	POND4	BASE	75.01	132.90	134.70	38127	0.00	0.04	0.000	0.263
25YR24HR	POND4	BASE	76.01	132.90	134.70	38115	0.00	0.04	0.000	0.266
25YR24HR	POND4	BASE	77.01	132.90	134.70	38103	0.00	0.03	0.000	0.269
25YR24HR	POND4	BASE	78.01	132.89	134.70	38091	0.00	0.03	0.000	0.272
25YR24HR	POND4	BASE	79.01	132.89	134.70	38079	0.00	0.03	0.000	0.275



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25YR24HR	POND4	BASE	80.01	132.89	134.70	38067	0.00	0.03	0.000	0.278
25YR24HR	POND4	BASE	81.01	132.88	134.70	38055	0.00	0.03	0.000	0.281
25YR24HR	POND4	BASE	82.01	132.88	134.70	38044	0.00	0.03	0.000	0.283
25YR24HR	POND4	BASE	83.01	132.88	134.70	38032	0.00	0.03	0.000	0.286
25YR24HR	POND4	BASE	84.01	132.87	134.70	38020	0.00	0.03	0.000	0.289
25YR24HR	POND4	BASE	85.01	132.87	134.70	38009	0.00	0.03	0.000	0.292
25YR24HR	POND4	BASE	86.01	132.87	134.70	37997	0.00	0.03	0.000	0.295
25YR24HR	POND4	BASE	87.01	132.86	134.70	37986	0.00	0.03	0.000	0.297
25YR24HR	POND4	BASE	88.01	132.86	134.70	37975	0.00	0.03	0.000	0.300
25YR24HR	POND4	BASE	89.01	132.86	134.70	37964	0.00	0.03	0.000	0.303
25YR24HR	POND4	BASE	90.01	132.86	134.70	37952	0.00	0.03	0.000	0.305
25YR24HR	POND4	BASE	91.01	132.85	134.70	37941	0.00	0.03	0.000	0.308
25YR24HR	POND4	BASE	92.01	132.85	134.70	37930	0.00	0.03	0.000	0.311
25YR24HR	POND4	BASE	93.01	132.85	134.70	37919	0.00	0.03	0.000	0.313
25YR24HR	POND4	BASE	94.01	132.84	134.70	37908	0.00	0.03	0.000	0.316
25YR24HR	POND4	BASE	95.01	132.84	134.70	37897	0.00	0.03	0.000	0.319
25YR24HR	POND4	BASE	96.01	132.84	134.70	37887	0.00	0.03	0.000	0.321
25YR24HR	POND4	BASE	97.01	132.83	134.70	37876	0.00	0.03	0.000	0.324
25YR24HR	POND4	BASE	98.01	132.83	134.70	37865	0.00	0.03	0.000	0.326
25YR24HR	POND4	BASE	99.01	132.83	134.70	37855	0.00	0.03	0.000	0.329
25YR24HR	POND4	BASE	100.01	132.83	134.70	37844	0.00	0.03	0.000	0.331
25YR24HR	POND4	BASE	101.01	132.82	134.70	37834	0.00	0.03	0.000	0.334
25YR24HR	POND4	BASE	102.01	132.82	134.70	37823	0.00	0.03	0.000	0.336
25YR24HR	POND4	BASE	103.01	132.82	134.70	37813	0.00	0.03	0.000	0.339
25YR24HR	POND4	BASE	104.01	132.81	134.70	37803	0.00	0.03	0.000	0.341
25YR24HR	POND4	BASE	105.01	132.81	134.70	37792	0.00	0.03	0.000	0.344
25YR24HR	POND4	BASE	106.01	132.81	134.70	37782	0.00	0.03	0.000	0.346
25YR24HR	POND4	BASE	107.01	132.81	134.70	37772	0.00	0.03	0.000	0.349
25YR24HR	POND4	BASE	108.01	132.80	134.70	37762	0.00	0.03	0.000	0.351
25YR24HR	POND4	BASE	109.01	132.80	134.70	37752	0.00	0.03	0.000	0.353
25YR24HR	POND4	BASE	110.01	132.80	134.70	37742	0.00	0.03	0.000	0.356
25YR24HR	POND4	BASE	111.01	132.79	134.70	37733	0.00	0.03	0.000	0.358
25YR24HR	POND4	BASE	112.01	132.79	134.70	37723	0.00	0.03	0.000	0.360
25YR24HR	POND4	BASE	113.01	132.79	134.70	37713	0.00	0.03	0.000	0.363
25YR24HR	POND4	BASE	114.01	132.79	134.70	37703	0.00	0.03	0.000	0.365
25YR24HR	POND4	BASE	115.01	132.78	134.70	37694	0.00	0.03	0.000	0.367
25YR24HR	POND4	BASE	116.01	132.78	134.70	37684	0.00	0.03	0.000	0.369
25YR24HR	POND4	BASE	117.01	132.78	134.70	37675	0.00	0.03	0.000	0.372
25YR24HR	POND4	BASE	118.01	132.78	134.70	37666	0.00	0.03	0.000	0.374
25YR24HR	POND4	BASE	119.01	132.77	134.70	37656	0.00	0.03	0.000	0.376
25YR24HR	POND4	BASE	120.01	132.77	134.70	37647	0.00	0.03	0.000	0.378
25YR24HR	POND4	BASE	121.01	132.77	134.70	37638	0.00	0.03	0.000	0.381
25YR24HR	POND4	BASE	122.01	132.77	134.70	37629	0.00	0.03	0.000	0.383
25YR24HR	POND4	BASE	123.01	132.76	134.70	37620	0.00	0.03	0.000	0.385
25YR24HR	POND4	BASE	124.01	132.76	134.70	37611	0.00	0.03	0.000	0.387
25YR24HR	POND4	BASE	125.01	132.76	134.70	37602	0.00	0.03	0.000	0.389
25YR24HR	POND4	BASE	126.01	132.76	134.70	37593	0.00	0.03	0.000	0.391
25YR24HR	POND4	BASE	127.01	132.75	134.70	37584	0.00	0.03	0.000	0.393
25YR24HR	POND4	BASE	128.01	132.75	134.70	37576	0.00	0.02	0.000	0.395

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25YR24HR	POND4	BASE	129.01	132.75	134.70	37567	0.00	0.02	0.000	0.397
25YR24HR	POND4	BASE	130.01	132.75	134.70	37558	0.00	0.02	0.000	0.399
25YR24HR	POND4	BASE	131.01	132.74	134.70	37550	0.00	0.02	0.000	0.401
25YR24HR	POND4	BASE	132.01	132.74	134.70	37541	0.00	0.02	0.000	0.403
25YR24HR	POND4	BASE	133.01	132.74	134.70	37533	0.00	0.02	0.000	0.405
25YR24HR	POND4	BASE	134.01	132.74	134.70	37525	0.00	0.02	0.000	0.407
25YR24HR	POND4	BASE	135.01	132.74	134.70	37516	0.00	0.02	0.000	0.409
25YR24HR	POND4	BASE	136.01	132.73	134.70	37508	0.00	0.02	0.000	0.411
25YR24HR	POND4	BASE	137.01	132.73	134.70	37500	0.00	0.02	0.000	0.413
25YR24HR	POND4	BASE	138.01	132.73	134.70	37492	0.00	0.02	0.000	0.415
25YR24HR	POND4	BASE	139.01	132.73	134.70	37484	0.00	0.02	0.000	0.417
25YR24HR	POND4	BASE	140.01	132.72	134.70	37476	0.00	0.02	0.000	0.419
25YR24HR	POND4	BASE	141.01	132.72	134.70	37468	0.00	0.02	0.000	0.421
25YR24HR	POND4	BASE	142.01	132.72	134.70	37461	0.00	0.02	0.000	0.423
25YR24HR	POND4	BASE	143.01	132.72	134.70	37453	0.00	0.02	0.000	0.424
25YR24HR	POND4	BASE	144.01	132.72	134.70	37445	0.00	0.02	0.000	0.426
25YR24HR	POND4	BASE	145.01	132.71	134.70	37438	0.00	0.02	0.000	0.428
25YR24HR	POND4	BASE	146.01	132.71	134.70	37430	0.00	0.02	0.000	0.430
25YR24HR	POND4	BASE	147.01	132.71	134.70	37423	0.00	0.02	0.000	0.432
25YR24HR	POND4	BASE	148.01	132.71	134.70	37415	0.00	0.02	0.000	0.433
25YR24HR	POND4	BASE	149.01	132.71	134.70	37408	0.00	0.02	0.000	0.435
25YR24HR	POND4	BASE	150.01	132.70	134.70	37401	0.00	0.02	0.000	0.437
25YR24HR	POND4	BASE	151.01	132.70	134.70	37394	0.00	0.02	0.000	0.438
25YR24HR	POND4	BASE	152.01	132.70	134.70	37387	0.00	0.02	0.000	0.440
25YR24HR	POND4	BASE	153.01	132.70	134.70	37380	0.00	0.02	0.000	0.442
25YR24HR	POND4	BASE	154.01	132.70	134.70	37373	0.00	0.02	0.000	0.443
25YR24HR	POND4	BASE	155.01	132.69	134.70	37366	0.00	0.02	0.000	0.445
25YR24HR	POND4	BASE	156.01	132.69	134.70	37359	0.00	0.02	0.000	0.447
25YR24HR	POND4	BASE	157.01	132.69	134.70	37352	0.00	0.02	0.000	0.448
25YR24HR	POND4	BASE	158.01	132.69	134.70	37346	0.00	0.02	0.000	0.450
25YR24HR	POND4	BASE	159.01	132.69	134.70	37339	0.00	0.02	0.000	0.451
25YR24HR	POND4	BASE	160.01	132.68	134.70	37332	0.00	0.02	0.000	0.453
25YR24HR	POND4	BASE	161.01	132.68	134.70	37326	0.00	0.02	0.000	0.454
25YR24HR	POND4	BASE	162.01	132.68	134.70	37320	0.00	0.02	0.000	0.456
25YR24HR	POND4	BASE	163.01	132.68	134.70	37313	0.00	0.02	0.000	0.457
25YR24HR	POND4	BASE	164.01	132.68	134.70	37307	0.00	0.02	0.000	0.459
25YR24HR	POND4	BASE	165.01	132.68	134.70	37301	0.00	0.02	0.000	0.460
25YR24HR	POND4	BASE	166.01	132.67	134.70	37295	0.00	0.02	0.000	0.462
25YR24HR	POND4	BASE	167.01	132.67	134.70	37288	0.00	0.02	0.000	0.463
25YR24HR	POND4	BASE	168.01	132.67	134.70	37282	0.00	0.02	0.000	0.465
25YR24HR	POND4	BASE	169.01	132.67	134.70	37277	0.00	0.02	0.000	0.466
25YR24HR	POND4	BASE	170.01	132.67	134.70	37271	0.00	0.02	0.000	0.468
25YR24HR	POND4	BASE	171.01	132.67	134.70	37265	0.00	0.02	0.000	0.469
25YR24HR	POND4	BASE	172.01	132.66	134.70	37259	0.00	0.02	0.000	0.470
25YR24HR	POND4	BASE	173.01	132.66	134.70	37253	0.00	0.02	0.000	0.472
25YR24HR	POND4	BASE	174.01	132.66	134.70	37248	0.00	0.02	0.000	0.473
25YR24HR	POND4	BASE	175.01	132.66	134.70	37242	0.00	0.02	0.000	0.474
25YR24HR	POND4	BASE	176.01	132.66	134.70	37237	0.00	0.02	0.000	0.475
25YR24HR	POND4	BASE	177.01	132.66	134.70	37232	0.00	0.02	0.000	0.477

Recovery Analysis (Ponds 2-7)  
 CR 557 Widening  
 Time Series Report

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND4	BASE	178.01	132.66	134.70	37226	0.00	0.02	0.000	0.478
25YR24HR	POND4	BASE	179.01	132.65	134.70	37221	0.00	0.01	0.000	0.479
25YR24HR	POND4	BASE	180.01	132.65	134.70	37216	0.00	0.01	0.000	0.480
25YR24HR	POND4	BASE	181.01	132.65	134.70	37211	0.00	0.01	0.000	0.482
25YR24HR	POND4	BASE	182.01	132.65	134.70	37206	0.00	0.01	0.000	0.483
25YR24HR	POND4	BASE	183.01	132.65	134.70	37201	0.00	0.01	0.000	0.484
25YR24HR	POND4	BASE	184.01	132.65	134.70	37196	0.00	0.01	0.000	0.485
25YR24HR	POND4	BASE	185.01	132.65	134.70	37191	0.00	0.01	0.000	0.486
25YR24HR	POND4	BASE	186.01	132.64	134.70	37186	0.00	0.01	0.000	0.487
25YR24HR	POND4	BASE	187.01	132.64	134.70	37181	0.00	0.01	0.000	0.489
25YR24HR	POND4	BASE	188.01	132.64	134.70	37177	0.00	0.01	0.000	0.490
25YR24HR	POND4	BASE	189.01	132.64	134.70	37172	0.00	0.01	0.000	0.491
25YR24HR	POND4	BASE	190.01	132.64	134.70	37168	0.00	0.01	0.000	0.492
25YR24HR	POND4	BASE	191.01	132.64	134.70	37163	0.00	0.01	0.000	0.493
25YR24HR	POND4	BASE	192.01	132.64	134.70	37159	0.00	0.01	0.000	0.494
25YR24HR	POND4	BASE	193.01	132.64	134.70	37155	0.00	0.01	0.000	0.495
25YR24HR	POND4	BASE	194.01	132.63	134.70	37151	0.00	0.01	0.000	0.496
25YR24HR	POND4	BASE	195.01	132.63	134.70	37146	0.00	0.01	0.000	0.497
25YR24HR	POND4	BASE	196.01	132.63	134.70	37142	0.00	0.01	0.000	0.498
25YR24HR	POND4	BASE	197.01	132.63	134.70	37138	0.00	0.01	0.000	0.499
25YR24HR	POND4	BASE	198.01	132.63	134.70	37134	0.00	0.01	0.000	0.500
25YR24HR	POND4	BASE	199.01	132.63	134.70	37131	0.00	0.01	0.000	0.500
25YR24HR	POND4	BASE	200.00	132.63	134.70	37127	0.00	0.01	0.000	0.501
25YR24HR	POND5	BASE	0.00	132.10	134.00	81457	0.00	0.06	0.000	0.000
25YR24HR	POND5	BASE	1.01	132.10	134.00	81440	0.00	0.06	0.000	0.005
25YR24HR	POND5	BASE	2.01	132.09	134.00	81424	0.00	0.06	0.000	0.011
25YR24HR	POND5	BASE	3.01	132.09	134.00	81407	0.00	0.06	0.000	0.016
25YR24HR	POND5	BASE	4.01	132.09	134.00	81391	0.00	0.06	0.000	0.021
25YR24HR	POND5	BASE	5.01	132.09	134.00	81375	0.00	0.06	0.000	0.027
25YR24HR	POND5	BASE	6.01	132.08	134.00	81358	0.00	0.06	0.000	0.032
25YR24HR	POND5	BASE	7.01	132.08	134.00	81342	0.00	0.06	0.000	0.037
25YR24HR	POND5	BASE	8.01	132.08	134.00	81326	0.00	0.06	0.000	0.042
25YR24HR	POND5	BASE	9.01	132.07	134.00	81310	0.00	0.06	0.000	0.047
25YR24HR	POND5	BASE	10.01	132.07	134.00	81294	0.00	0.06	0.000	0.052
25YR24HR	POND5	BASE	11.01	132.07	134.00	81278	0.00	0.06	0.000	0.058
25YR24HR	POND5	BASE	12.01	132.07	134.00	81263	0.00	0.06	0.000	0.063
25YR24HR	POND5	BASE	13.01	132.06	134.00	81247	0.00	0.06	0.000	0.068
25YR24HR	POND5	BASE	14.01	132.06	134.00	81231	0.00	0.06	0.000	0.073
25YR24HR	POND5	BASE	15.01	132.06	134.00	81216	0.00	0.06	0.000	0.078
25YR24HR	POND5	BASE	16.01	132.06	134.00	81200	0.00	0.06	0.000	0.083
25YR24HR	POND5	BASE	17.01	132.05	134.00	81185	0.00	0.06	0.000	0.088
25YR24HR	POND5	BASE	18.01	132.05	134.00	81169	0.00	0.06	0.000	0.092
25YR24HR	POND5	BASE	19.01	132.05	134.00	81154	0.00	0.06	0.000	0.097
25YR24HR	POND5	BASE	20.01	132.05	134.00	81139	0.00	0.06	0.000	0.102
25YR24HR	POND5	BASE	21.01	132.04	134.00	81124	0.00	0.06	0.000	0.107
25YR24HR	POND5	BASE	22.01	132.04	134.00	81109	0.00	0.06	0.000	0.112
25YR24HR	POND5	BASE	23.01	132.04	134.00	81094	0.00	0.06	0.000	0.117
25YR24HR	POND5	BASE	24.01	132.03	134.00	81079	0.00	0.06	0.000	0.121

Recovery Analysis (Ponds 2-7)  
 CR 557 Widening  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND5	BASE	25.01	132.03	134.00	81064	0.00	0.06	0.000	0.126
25YR24HR	POND5	BASE	26.01	132.03	134.00	81050	0.00	0.06	0.000	0.131
25YR24HR	POND5	BASE	27.01	132.03	134.00	81035	0.00	0.06	0.000	0.136
25YR24HR	POND5	BASE	28.01	132.02	134.00	81021	0.00	0.06	0.000	0.140
25YR24HR	POND5	BASE	29.01	132.02	134.00	81006	0.00	0.06	0.000	0.145
25YR24HR	POND5	BASE	30.01	132.02	134.00	80992	0.00	0.06	0.000	0.149
25YR24HR	POND5	BASE	31.01	132.02	134.00	80977	0.00	0.06	0.000	0.154
25YR24HR	POND5	BASE	32.01	132.01	134.00	80963	0.00	0.05	0.000	0.159
25YR24HR	POND5	BASE	33.01	132.01	134.00	80949	0.00	0.05	0.000	0.163
25YR24HR	POND5	BASE	34.01	132.01	134.00	80935	0.00	0.05	0.000	0.168
25YR24HR	POND5	BASE	35.01	132.01	134.00	80921	0.00	0.05	0.000	0.172
25YR24HR	POND5	BASE	36.01	132.01	134.00	80907	0.00	0.05	0.000	0.177
25YR24HR	POND5	BASE	37.01	132.00	134.00	80893	0.00	0.05	0.000	0.181
25YR24HR	POND5	BASE	38.01	132.00	134.00	80879	0.00	0.05	0.000	0.185
25YR24HR	POND5	BASE	39.01	132.00	134.00	80866	0.00	0.05	0.000	0.190
25YR24HR	POND5	BASE	40.01	132.00	134.00	80852	0.00	0.05	0.000	0.194
25YR24HR	POND5	BASE	41.01	131.99	134.00	80839	0.00	0.05	0.000	0.198
25YR24HR	POND5	BASE	42.01	131.99	134.00	80825	0.00	0.05	0.000	0.203
25YR24HR	POND5	BASE	43.01	131.99	134.00	80812	0.00	0.05	0.000	0.207
25YR24HR	POND5	BASE	44.01	131.99	134.00	80799	0.00	0.05	0.000	0.211
25YR24HR	POND5	BASE	45.01	131.98	134.00	80785	0.00	0.05	0.000	0.215
25YR24HR	POND5	BASE	46.01	131.98	134.00	80772	0.00	0.05	0.000	0.220
25YR24HR	POND5	BASE	47.01	131.98	134.00	80759	0.00	0.05	0.000	0.224
25YR24HR	POND5	BASE	48.01	131.98	134.00	80746	0.00	0.05	0.000	0.228
25YR24HR	POND5	BASE	49.01	131.98	134.00	80733	0.00	0.05	0.000	0.232
25YR24HR	POND5	BASE	50.01	131.97	134.00	80720	0.00	0.05	0.000	0.236
25YR24HR	POND5	BASE	51.01	131.97	134.00	80708	0.00	0.05	0.000	0.240
25YR24HR	POND5	BASE	52.01	131.97	134.00	80695	0.00	0.05	0.000	0.244
25YR24HR	POND5	BASE	53.01	131.97	134.00	80683	0.00	0.05	0.000	0.248
25YR24HR	POND5	BASE	54.01	131.96	134.00	80670	0.00	0.05	0.000	0.252
25YR24HR	POND5	BASE	55.01	131.96	134.00	80658	0.00	0.05	0.000	0.256
25YR24HR	POND5	BASE	56.01	131.96	134.00	80645	0.00	0.05	0.000	0.260
25YR24HR	POND5	BASE	57.01	131.96	134.00	80633	0.00	0.05	0.000	0.264
25YR24HR	POND5	BASE	58.01	131.96	134.00	80621	0.00	0.05	0.000	0.268
25YR24HR	POND5	BASE	59.01	131.95	134.00	80609	0.00	0.05	0.000	0.272
25YR24HR	POND5	BASE	60.01	131.95	134.00	80597	0.00	0.05	0.000	0.276
25YR24HR	POND5	BASE	61.01	131.95	134.00	80585	0.00	0.05	0.000	0.279
25YR24HR	POND5	BASE	62.01	131.95	134.00	80573	0.00	0.05	0.000	0.283
25YR24HR	POND5	BASE	63.01	131.95	134.00	80561	0.00	0.05	0.000	0.287
25YR24HR	POND5	BASE	64.01	131.94	134.00	80549	0.00	0.04	0.000	0.291
25YR24HR	POND5	BASE	65.01	131.94	134.00	80538	0.00	0.04	0.000	0.294
25YR24HR	POND5	BASE	66.01	131.94	134.00	80526	0.00	0.04	0.000	0.298
25YR24HR	POND5	BASE	67.01	131.94	134.00	80515	0.00	0.04	0.000	0.302
25YR24HR	POND5	BASE	68.01	131.94	134.00	80503	0.00	0.04	0.000	0.305
25YR24HR	POND5	BASE	69.01	131.93	134.00	80492	0.00	0.04	0.000	0.309
25YR24HR	POND5	BASE	70.01	131.93	134.00	80481	0.00	0.04	0.000	0.312
25YR24HR	POND5	BASE	71.01	131.93	134.00	80470	0.00	0.04	0.000	0.316
25YR24HR	POND5	BASE	72.01	131.93	134.00	80459	0.00	0.04	0.000	0.320
25YR24HR	POND5	BASE	73.01	131.93	134.00	80448	0.00	0.04	0.000	0.323

Dewberry Engineers, Inc.  
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Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND5	BASE	74.01	131.92	134.00	80437	0.00	0.04	0.000	0.326
25YR24HR	POND5	BASE	75.01	131.92	134.00	80426	0.00	0.04	0.000	0.330
25YR24HR	POND5	BASE	76.01	131.92	134.00	80415	0.00	0.04	0.000	0.333
25YR24HR	POND5	BASE	77.01	131.92	134.00	80405	0.00	0.04	0.000	0.337
25YR24HR	POND5	BASE	78.01	131.92	134.00	80394	0.00	0.04	0.000	0.340
25YR24HR	POND5	BASE	79.01	131.92	134.00	80383	0.00	0.04	0.000	0.343
25YR24HR	POND5	BASE	80.01	131.91	134.00	80373	0.00	0.04	0.000	0.347
25YR24HR	POND5	BASE	81.01	131.91	134.00	80363	0.00	0.04	0.000	0.350
25YR24HR	POND5	BASE	82.01	131.91	134.00	80352	0.00	0.04	0.000	0.353
25YR24HR	POND5	BASE	83.01	131.91	134.00	80342	0.00	0.04	0.000	0.357
25YR24HR	POND5	BASE	84.01	131.91	134.00	80332	0.00	0.04	0.000	0.360
25YR24HR	POND5	BASE	85.01	131.90	134.00	80322	0.00	0.04	0.000	0.363
25YR24HR	POND5	BASE	86.01	131.90	134.00	80312	0.00	0.04	0.000	0.366
25YR24HR	POND5	BASE	87.01	131.90	134.00	80302	0.00	0.04	0.000	0.369
25YR24HR	POND5	BASE	88.01	131.90	134.00	80293	0.00	0.04	0.000	0.372
25YR24HR	POND5	BASE	89.01	131.90	134.00	80283	0.00	0.04	0.000	0.375
25YR24HR	POND5	BASE	90.01	131.90	134.00	80273	0.00	0.04	0.000	0.378
25YR24HR	POND5	BASE	91.01	131.89	134.00	80264	0.00	0.04	0.000	0.381
25YR24HR	POND5	BASE	92.01	131.89	134.00	80254	0.00	0.04	0.000	0.384
25YR24HR	POND5	BASE	93.01	131.89	134.00	80245	0.00	0.04	0.000	0.387
25YR24HR	POND5	BASE	94.01	131.89	134.00	80236	0.00	0.04	0.000	0.390
25YR24HR	POND5	BASE	95.01	131.89	134.00	80226	0.00	0.04	0.000	0.393
25YR24HR	POND5	BASE	96.01	131.89	134.00	80217	0.00	0.03	0.000	0.396
25YR24HR	POND5	BASE	97.01	131.88	134.00	80208	0.00	0.03	0.000	0.399
25YR24HR	POND5	BASE	98.01	131.88	134.00	80199	0.00	0.03	0.000	0.402
25YR24HR	POND5	BASE	99.01	131.88	134.00	80190	0.00	0.03	0.000	0.405
25YR24HR	POND5	BASE	100.01	131.88	134.00	80182	0.00	0.03	0.000	0.407
25YR24HR	POND5	BASE	101.01	131.88	134.00	80173	0.00	0.03	0.000	0.410
25YR24HR	POND5	BASE	102.01	131.88	134.00	80164	0.00	0.03	0.000	0.413
25YR24HR	POND5	BASE	103.01	131.88	134.00	80156	0.00	0.03	0.000	0.416
25YR24HR	POND5	BASE	104.01	131.87	134.00	80147	0.00	0.03	0.000	0.418
25YR24HR	POND5	BASE	105.01	131.87	134.00	80139	0.00	0.03	0.000	0.421
25YR24HR	POND5	BASE	106.01	131.87	134.00	80131	0.00	0.03	0.000	0.424
25YR24HR	POND5	BASE	107.01	131.87	134.00	80122	0.00	0.03	0.000	0.426
25YR24HR	POND5	BASE	108.01	131.87	134.00	80114	0.00	0.03	0.000	0.429
25YR24HR	POND5	BASE	109.01	131.87	134.00	80106	0.00	0.03	0.000	0.431
25YR24HR	POND5	BASE	110.01	131.87	134.00	80098	0.00	0.03	0.000	0.434
25YR24HR	POND5	BASE	111.01	131.86	134.00	80090	0.00	0.03	0.000	0.436
25YR24HR	POND5	BASE	112.01	131.86	134.00	80082	0.00	0.03	0.000	0.439
25YR24HR	POND5	BASE	113.01	131.86	134.00	80075	0.00	0.03	0.000	0.441
25YR24HR	POND5	BASE	114.01	131.86	134.00	80067	0.00	0.03	0.000	0.444
25YR24HR	POND5	BASE	115.01	131.86	134.00	80059	0.00	0.03	0.000	0.446
25YR24HR	POND5	BASE	116.01	131.86	134.00	80052	0.00	0.03	0.000	0.449
25YR24HR	POND5	BASE	117.01	131.86	134.00	80044	0.00	0.03	0.000	0.451
25YR24HR	POND5	BASE	118.01	131.86	134.00	80037	0.00	0.03	0.000	0.453
25YR24HR	POND5	BASE	119.01	131.85	134.00	80030	0.00	0.03	0.000	0.456
25YR24HR	POND5	BASE	120.01	131.85	134.00	80023	0.00	0.03	0.000	0.458
25YR24HR	POND5	BASE	121.01	131.85	134.00	80016	0.00	0.03	0.000	0.460
25YR24HR	POND5	BASE	122.01	131.85	134.00	80009	0.00	0.03	0.000	0.462

Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND5	BASE	123.01	131.85	134.00	80002	0.00	0.03	0.000	0.464
25YR24HR	POND5	BASE	124.01	131.85	134.00	79995	0.00	0.03	0.000	0.467
25YR24HR	POND5	BASE	125.01	131.85	134.00	79988	0.00	0.03	0.000	0.469
25YR24HR	POND5	BASE	126.01	131.85	134.00	79981	0.00	0.03	0.000	0.471
25YR24HR	POND5	BASE	127.01	131.84	134.00	79975	0.00	0.03	0.000	0.473
25YR24HR	POND5	BASE	128.01	131.84	134.00	79968	0.00	0.02	0.000	0.475
25YR24HR	POND5	BASE	129.01	131.84	134.00	79962	0.00	0.02	0.000	0.477
25YR24HR	POND5	BASE	130.01	131.84	134.00	79955	0.00	0.02	0.000	0.479
25YR24HR	POND5	BASE	131.01	131.84	134.00	79949	0.00	0.02	0.000	0.481
25YR24HR	POND5	BASE	132.01	131.84	134.00	79943	0.00	0.02	0.000	0.483
25YR24HR	POND5	BASE	133.01	131.84	134.00	79937	0.00	0.02	0.000	0.485
25YR24HR	POND5	BASE	134.01	131.84	134.00	79931	0.00	0.02	0.000	0.487
25YR24HR	POND5	BASE	135.01	131.84	134.00	79925	0.00	0.02	0.000	0.489
25YR24HR	POND5	BASE	136.01	131.84	134.00	79919	0.00	0.02	0.000	0.491
25YR24HR	POND5	BASE	137.01	131.83	134.00	79913	0.00	0.02	0.000	0.492
25YR24HR	POND5	BASE	138.01	131.83	134.00	79908	0.00	0.02	0.000	0.494
25YR24HR	POND5	BASE	139.01	131.83	134.00	79902	0.00	0.02	0.000	0.496
25YR24HR	POND5	BASE	140.01	131.83	134.00	79897	0.00	0.02	0.000	0.498
25YR24HR	POND5	BASE	141.01	131.83	134.00	79891	0.00	0.02	0.000	0.499
25YR24HR	POND5	BASE	142.01	131.83	134.00	79886	0.00	0.02	0.000	0.501
25YR24HR	POND5	BASE	143.01	131.83	134.00	79880	0.00	0.02	0.000	0.503
25YR24HR	POND5	BASE	144.01	131.83	134.00	79875	0.00	0.02	0.000	0.504
25YR24HR	POND5	BASE	145.01	131.83	134.00	79870	0.00	0.02	0.000	0.506
25YR24HR	POND5	BASE	146.01	131.83	134.00	79865	0.00	0.02	0.000	0.508
25YR24HR	POND5	BASE	147.01	131.83	134.00	79860	0.00	0.02	0.000	0.509
25YR24HR	POND5	BASE	148.01	131.82	134.00	79855	0.00	0.02	0.000	0.511
25YR24HR	POND5	BASE	149.01	131.82	134.00	79850	0.00	0.02	0.000	0.512
25YR24HR	POND5	BASE	150.01	131.82	134.00	79846	0.00	0.02	0.000	0.514
25YR24HR	POND5	BASE	151.01	131.82	134.00	79841	0.00	0.02	0.000	0.515
25YR24HR	POND5	BASE	152.01	131.82	134.00	79837	0.00	0.02	0.000	0.517
25YR24HR	POND5	BASE	153.01	131.82	134.00	79832	0.00	0.02	0.000	0.518
25YR24HR	POND5	BASE	154.01	131.82	134.00	79828	0.00	0.02	0.000	0.519
25YR24HR	POND5	BASE	155.01	131.82	134.00	79823	0.00	0.02	0.000	0.521
25YR24HR	POND5	BASE	156.01	131.82	134.00	79819	0.00	0.02	0.000	0.522
25YR24HR	POND5	BASE	157.01	131.82	134.00	79815	0.00	0.02	0.000	0.523
25YR24HR	POND5	BASE	158.01	131.82	134.00	79811	0.00	0.02	0.000	0.525
25YR24HR	POND5	BASE	159.01	131.82	134.00	79807	0.00	0.01	0.000	0.526
25YR24HR	POND5	BASE	160.01	131.82	134.00	79803	0.00	0.01	0.000	0.527
25YR24HR	POND5	BASE	161.01	131.81	134.00	79800	0.00	0.01	0.000	0.528
25YR24HR	POND5	BASE	162.01	131.81	134.00	79796	0.00	0.01	0.000	0.529
25YR24HR	POND5	BASE	163.01	131.81	134.00	79792	0.00	0.01	0.000	0.531
25YR24HR	POND5	BASE	164.01	131.81	134.00	79789	0.00	0.01	0.000	0.532
25YR24HR	POND5	BASE	165.01	131.81	134.00	79785	0.00	0.01	0.000	0.533
25YR24HR	POND5	BASE	166.01	131.81	134.00	79782	0.00	0.01	0.000	0.534
25YR24HR	POND5	BASE	167.01	131.81	134.00	79778	0.00	0.01	0.000	0.535
25YR24HR	POND5	BASE	168.01	131.81	134.00	79775	0.00	0.01	0.000	0.536
25YR24HR	POND5	BASE	169.01	131.81	134.00	79772	0.00	0.01	0.000	0.537
25YR24HR	POND5	BASE	170.01	131.81	134.00	79769	0.00	0.01	0.000	0.538
25YR24HR	POND5	BASE	171.01	131.81	134.00	79766	0.00	0.01	0.000	0.539

Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND5	BASE	172.01	131.81	134.00	79763	0.00	0.01	0.000	0.540
25YR24HR	POND5	BASE	173.01	131.81	134.00	79760	0.00	0.01	0.000	0.541
25YR24HR	POND5	BASE	174.01	131.81	134.00	79758	0.00	0.01	0.000	0.541
25YR24HR	POND5	BASE	175.01	131.81	134.00	79755	0.00	0.01	0.000	0.542
25YR24HR	POND5	BASE	176.01	131.81	134.00	79753	0.00	0.01	0.000	0.543
25YR24HR	POND5	BASE	177.01	131.81	134.00	79750	0.00	0.01	0.000	0.544
25YR24HR	POND5	BASE	178.01	131.81	134.00	79748	0.00	0.01	0.000	0.545
25YR24HR	POND5	BASE	179.01	131.81	134.00	79745	0.00	0.01	0.000	0.545
25YR24HR	POND5	BASE	180.01	131.80	134.00	79743	0.00	0.01	0.000	0.546
25YR24HR	POND5	BASE	181.01	131.80	134.00	79741	0.00	0.01	0.000	0.547
25YR24HR	POND5	BASE	182.01	131.80	134.00	79739	0.00	0.01	0.000	0.547
25YR24HR	POND5	BASE	183.01	131.80	134.00	79737	0.00	0.01	0.000	0.548
25YR24HR	POND5	BASE	184.01	131.80	134.00	79735	0.00	0.01	0.000	0.549
25YR24HR	POND5	BASE	185.01	131.80	134.00	79733	0.00	0.01	0.000	0.549
25YR24HR	POND5	BASE	186.01	131.80	134.00	79732	0.00	0.01	0.000	0.550
25YR24HR	POND5	BASE	187.01	131.80	134.00	79730	0.00	0.01	0.000	0.550
25YR24HR	POND5	BASE	188.01	131.80	134.00	79728	0.00	0.01	0.000	0.551
25YR24HR	POND5	BASE	189.01	131.80	134.00	79727	0.00	0.01	0.000	0.551
25YR24HR	POND5	BASE	190.01	131.80	134.00	79726	0.00	0.01	0.000	0.552
25YR24HR	POND5	BASE	191.01	131.80	134.00	79724	0.00	0.00	0.000	0.552
25YR24HR	POND5	BASE	192.01	131.80	134.00	79723	0.00	0.00	0.000	0.552
25YR24HR	POND5	BASE	193.01	131.80	134.00	79722	0.00	0.00	0.000	0.553
25YR24HR	POND5	BASE	194.01	131.80	134.00	79721	0.00	0.00	0.000	0.553
25YR24HR	POND5	BASE	195.01	131.80	134.00	79720	0.00	0.00	0.000	0.553
25YR24HR	POND5	BASE	196.01	131.80	134.00	79719	0.00	0.00	0.000	0.554
25YR24HR	POND5	BASE	197.01	131.80	134.00	79718	0.00	0.00	0.000	0.554
25YR24HR	POND5	BASE	198.01	131.80	134.00	79718	0.00	0.00	0.000	0.554
25YR24HR	POND5	BASE	199.01	131.80	134.00	79717	0.00	0.00	0.000	0.554
25YR24HR	POND5	BASE	200.00	131.80	134.00	79716	0.00	0.00	0.000	0.554
25YR24HR	POND6	BASE	0.00	132.10	134.00	87120	0.00	0.08	0.000	0.000
25YR24HR	POND6	BASE	1.01	132.10	134.00	87102	0.00	0.08	0.000	0.007
25YR24HR	POND6	BASE	2.01	132.09	134.00	87084	0.00	0.08	0.000	0.013
25YR24HR	POND6	BASE	3.01	132.09	134.00	87066	0.00	0.08	0.000	0.020
25YR24HR	POND6	BASE	4.01	132.09	134.00	87049	0.00	0.08	0.000	0.026
25YR24HR	POND6	BASE	5.01	132.08	134.00	87031	0.00	0.08	0.000	0.033
25YR24HR	POND6	BASE	6.01	132.08	134.00	87014	0.00	0.08	0.000	0.039
25YR24HR	POND6	BASE	7.01	132.08	134.00	86996	0.00	0.08	0.000	0.045
25YR24HR	POND6	BASE	8.01	132.07	134.00	86979	0.00	0.08	0.000	0.052
25YR24HR	POND6	BASE	9.01	132.07	134.00	86962	0.00	0.08	0.000	0.058
25YR24HR	POND6	BASE	10.01	132.07	134.00	86945	0.00	0.08	0.000	0.064
25YR24HR	POND6	BASE	11.01	132.06	134.00	86927	0.00	0.08	0.000	0.071
25YR24HR	POND6	BASE	12.01	132.06	134.00	86910	0.00	0.08	0.000	0.077
25YR24HR	POND6	BASE	13.01	132.06	134.00	86893	0.00	0.08	0.000	0.083
25YR24HR	POND6	BASE	14.01	132.06	134.00	86876	0.00	0.07	0.000	0.089
25YR24HR	POND6	BASE	15.01	132.05	134.00	86860	0.00	0.07	0.000	0.096
25YR24HR	POND6	BASE	16.01	132.05	134.00	86843	0.00	0.07	0.000	0.102
25YR24HR	POND6	BASE	17.01	132.05	134.00	86826	0.00	0.07	0.000	0.108
25YR24HR	POND6	BASE	18.01	132.04	134.00	86809	0.00	0.07	0.000	0.114

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND6	BASE	19.01	132.04	134.00	86793	0.00	0.07	0.000	0.120
25YR24HR	POND6	BASE	20.01	132.04	134.00	86776	0.00	0.07	0.000	0.126
25YR24HR	POND6	BASE	21.01	132.03	134.00	86760	0.00	0.07	0.000	0.132
25YR24HR	POND6	BASE	22.01	132.03	134.00	86744	0.00	0.07	0.000	0.138
25YR24HR	POND6	BASE	23.01	132.03	134.00	86727	0.00	0.07	0.000	0.144
25YR24HR	POND6	BASE	24.01	132.02	134.00	86711	0.00	0.07	0.000	0.150
25YR24HR	POND6	BASE	25.01	132.02	134.00	86695	0.00	0.07	0.000	0.156
25YR24HR	POND6	BASE	26.01	132.02	134.00	86679	0.00	0.07	0.000	0.162
25YR24HR	POND6	BASE	27.01	132.02	134.00	86663	0.00	0.07	0.000	0.167
25YR24HR	POND6	BASE	28.01	132.01	134.00	86647	0.00	0.07	0.000	0.173
25YR24HR	POND6	BASE	29.01	132.01	134.00	86631	0.00	0.07	0.000	0.179
25YR24HR	POND6	BASE	30.01	132.01	134.00	86615	0.00	0.07	0.000	0.185
25YR24HR	POND6	BASE	31.01	132.00	134.00	86600	0.00	0.07	0.000	0.191
25YR24HR	POND6	BASE	32.01	132.00	134.00	86584	0.00	0.07	0.000	0.196
25YR24HR	POND6	BASE	33.01	132.00	134.00	86568	0.00	0.07	0.000	0.202
25YR24HR	POND6	BASE	34.01	132.00	134.00	86553	0.00	0.07	0.000	0.208
25YR24HR	POND6	BASE	35.01	131.99	134.00	86537	0.00	0.07	0.000	0.213
25YR24HR	POND6	BASE	36.01	131.99	134.00	86522	0.00	0.07	0.000	0.219
25YR24HR	POND6	BASE	37.01	131.99	134.00	86507	0.00	0.07	0.000	0.224
25YR24HR	POND6	BASE	38.01	131.98	134.00	86491	0.00	0.07	0.000	0.230
25YR24HR	POND6	BASE	39.01	131.98	134.00	86476	0.00	0.07	0.000	0.236
25YR24HR	POND6	BASE	40.01	131.98	134.00	86461	0.00	0.07	0.000	0.241
25YR24HR	POND6	BASE	41.01	131.98	134.00	86446	0.00	0.07	0.000	0.247
25YR24HR	POND6	BASE	42.01	131.97	134.00	86431	0.00	0.07	0.000	0.252
25YR24HR	POND6	BASE	43.01	131.97	134.00	86416	0.00	0.07	0.000	0.257
25YR24HR	POND6	BASE	44.01	131.97	134.00	86402	0.00	0.07	0.000	0.263
25YR24HR	POND6	BASE	45.01	131.97	134.00	86387	0.00	0.06	0.000	0.268
25YR24HR	POND6	BASE	46.01	131.96	134.00	86372	0.00	0.06	0.000	0.273
25YR24HR	POND6	BASE	47.01	131.96	134.00	86358	0.00	0.06	0.000	0.279
25YR24HR	POND6	BASE	48.01	131.96	134.00	86343	0.00	0.06	0.000	0.284
25YR24HR	POND6	BASE	49.01	131.95	134.00	86329	0.00	0.06	0.000	0.289
25YR24HR	POND6	BASE	50.01	131.95	134.00	86314	0.00	0.06	0.000	0.295
25YR24HR	POND6	BASE	51.01	131.95	134.00	86300	0.00	0.06	0.000	0.300
25YR24HR	POND6	BASE	52.01	131.95	134.00	86286	0.00	0.06	0.000	0.305
25YR24HR	POND6	BASE	53.01	131.94	134.00	86272	0.00	0.06	0.000	0.310
25YR24HR	POND6	BASE	54.01	131.94	134.00	86258	0.00	0.06	0.000	0.315
25YR24HR	POND6	BASE	55.01	131.94	134.00	86244	0.00	0.06	0.000	0.320
25YR24HR	POND6	BASE	56.01	131.94	134.00	86230	0.00	0.06	0.000	0.325
25YR24HR	POND6	BASE	57.01	131.93	134.00	86216	0.00	0.06	0.000	0.330
25YR24HR	POND6	BASE	58.01	131.93	134.00	86202	0.00	0.06	0.000	0.335
25YR24HR	POND6	BASE	59.01	131.93	134.00	86189	0.00	0.06	0.000	0.340
25YR24HR	POND6	BASE	60.01	131.93	134.00	86175	0.00	0.06	0.000	0.345
25YR24HR	POND6	BASE	61.01	131.92	134.00	86161	0.00	0.06	0.000	0.350
25YR24HR	POND6	BASE	62.01	131.92	134.00	86148	0.00	0.06	0.000	0.355
25YR24HR	POND6	BASE	63.01	131.92	134.00	86134	0.00	0.06	0.000	0.360
25YR24HR	POND6	BASE	64.01	131.92	134.00	86121	0.00	0.06	0.000	0.365
25YR24HR	POND6	BASE	65.01	131.91	134.00	86108	0.00	0.06	0.000	0.370
25YR24HR	POND6	BASE	66.01	131.91	134.00	86095	0.00	0.06	0.000	0.374
25YR24HR	POND6	BASE	67.01	131.91	134.00	86082	0.00	0.06	0.000	0.379



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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND6	BASE	68.01	131.91	134.00	86068	0.00	0.06	0.000	0.384
25YR24HR	POND6	BASE	69.01	131.90	134.00	86055	0.00	0.06	0.000	0.389
25YR24HR	POND6	BASE	70.01	131.90	134.00	86043	0.00	0.06	0.000	0.393
25YR24HR	POND6	BASE	71.01	131.90	134.00	86030	0.00	0.06	0.000	0.398
25YR24HR	POND6	BASE	72.01	131.90	134.00	86017	0.00	0.06	0.000	0.403
25YR24HR	POND6	BASE	73.01	131.90	134.00	86004	0.00	0.06	0.000	0.407
25YR24HR	POND6	BASE	74.01	131.89	134.00	85992	0.00	0.06	0.000	0.412
25YR24HR	POND6	BASE	75.01	131.89	134.00	85979	0.00	0.05	0.000	0.416
25YR24HR	POND6	BASE	76.01	131.89	134.00	85967	0.00	0.05	0.000	0.421
25YR24HR	POND6	BASE	77.01	131.89	134.00	85954	0.00	0.05	0.000	0.425
25YR24HR	POND6	BASE	78.01	131.88	134.00	85942	0.00	0.05	0.000	0.430
25YR24HR	POND6	BASE	79.01	131.88	134.00	85930	0.00	0.05	0.000	0.434
25YR24HR	POND6	BASE	80.01	131.88	134.00	85918	0.00	0.05	0.000	0.439
25YR24HR	POND6	BASE	81.01	131.88	134.00	85906	0.00	0.05	0.000	0.443
25YR24HR	POND6	BASE	82.01	131.87	134.00	85894	0.00	0.05	0.000	0.447
25YR24HR	POND6	BASE	83.01	131.87	134.00	85882	0.00	0.05	0.000	0.452
25YR24HR	POND6	BASE	84.01	131.87	134.00	85870	0.00	0.05	0.000	0.456
25YR24HR	POND6	BASE	85.01	131.87	134.00	85858	0.00	0.05	0.000	0.460
25YR24HR	POND6	BASE	86.01	131.87	134.00	85846	0.00	0.05	0.000	0.464
25YR24HR	POND6	BASE	87.01	131.86	134.00	85835	0.00	0.05	0.000	0.469
25YR24HR	POND6	BASE	88.01	131.86	134.00	85823	0.00	0.05	0.000	0.473
25YR24HR	POND6	BASE	89.01	131.86	134.00	85811	0.00	0.05	0.000	0.477
25YR24HR	POND6	BASE	90.01	131.86	134.00	85800	0.00	0.05	0.000	0.481
25YR24HR	POND6	BASE	91.01	131.86	134.00	85789	0.00	0.05	0.000	0.485
25YR24HR	POND6	BASE	92.01	131.85	134.00	85777	0.00	0.05	0.000	0.489
25YR24HR	POND6	BASE	93.01	131.85	134.00	85766	0.00	0.05	0.000	0.493
25YR24HR	POND6	BASE	94.01	131.85	134.00	85755	0.00	0.05	0.000	0.497
25YR24HR	POND6	BASE	95.01	131.85	134.00	85744	0.00	0.05	0.000	0.501
25YR24HR	POND6	BASE	96.01	131.85	134.00	85733	0.00	0.05	0.000	0.505
25YR24HR	POND6	BASE	97.01	131.84	134.00	85722	0.00	0.05	0.000	0.509
25YR24HR	POND6	BASE	98.01	131.84	134.00	85711	0.00	0.05	0.000	0.513
25YR24HR	POND6	BASE	99.01	131.84	134.00	85701	0.00	0.05	0.000	0.517
25YR24HR	POND6	BASE	100.01	131.84	134.00	85690	0.00	0.05	0.000	0.521
25YR24HR	POND6	BASE	101.01	131.84	134.00	85679	0.00	0.05	0.000	0.525
25YR24HR	POND6	BASE	102.01	131.83	134.00	85669	0.00	0.05	0.000	0.529
25YR24HR	POND6	BASE	103.01	131.83	134.00	85658	0.00	0.05	0.000	0.532
25YR24HR	POND6	BASE	104.01	131.83	134.00	85648	0.00	0.05	0.000	0.536
25YR24HR	POND6	BASE	105.01	131.83	134.00	85638	0.00	0.04	0.000	0.540
25YR24HR	POND6	BASE	106.01	131.83	134.00	85627	0.00	0.04	0.000	0.544
25YR24HR	POND6	BASE	107.01	131.82	134.00	85617	0.00	0.04	0.000	0.547
25YR24HR	POND6	BASE	108.01	131.82	134.00	85607	0.00	0.04	0.000	0.551
25YR24HR	POND6	BASE	109.01	131.82	134.00	85597	0.00	0.04	0.000	0.554
25YR24HR	POND6	BASE	110.01	131.82	134.00	85587	0.00	0.04	0.000	0.558
25YR24HR	POND6	BASE	111.01	131.82	134.00	85577	0.00	0.04	0.000	0.562
25YR24HR	POND6	BASE	112.01	131.81	134.00	85567	0.00	0.04	0.000	0.565
25YR24HR	POND6	BASE	113.01	131.81	134.00	85558	0.00	0.04	0.000	0.569
25YR24HR	POND6	BASE	114.01	131.81	134.00	85548	0.00	0.04	0.000	0.572
25YR24HR	POND6	BASE	115.01	131.81	134.00	85539	0.00	0.04	0.000	0.576
25YR24HR	POND6	BASE	116.01	131.81	134.00	85529	0.00	0.04	0.000	0.579

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND6	BASE	117.01	131.81	134.00	85520	0.00	0.04	0.000	0.582
25YR24HR	POND6	BASE	118.01	131.80	134.00	85510	0.00	0.04	0.000	0.586
25YR24HR	POND6	BASE	119.01	131.80	134.00	85501	0.00	0.04	0.000	0.589
25YR24HR	POND6	BASE	120.01	131.80	134.00	85492	0.00	0.04	0.000	0.592
25YR24HR	POND6	BASE	121.01	131.80	134.00	85483	0.00	0.04	0.000	0.596
25YR24HR	POND6	BASE	122.01	131.80	134.00	85474	0.00	0.04	0.000	0.599
25YR24HR	POND6	BASE	123.01	131.80	134.00	85465	0.00	0.04	0.000	0.602
25YR24HR	POND6	BASE	124.01	131.79	134.00	85456	0.00	0.04	0.000	0.605
25YR24HR	POND6	BASE	125.01	131.79	134.00	85447	0.00	0.04	0.000	0.609
25YR24HR	POND6	BASE	126.01	131.79	134.00	85438	0.00	0.04	0.000	0.612
25YR24HR	POND6	BASE	127.01	131.79	134.00	85430	0.00	0.04	0.000	0.615
25YR24HR	POND6	BASE	128.01	131.79	134.00	85421	0.00	0.04	0.000	0.618
25YR24HR	POND6	BASE	129.01	131.79	134.00	85413	0.00	0.04	0.000	0.621
25YR24HR	POND6	BASE	130.01	131.78	134.00	85404	0.00	0.04	0.000	0.624
25YR24HR	POND6	BASE	131.01	131.78	134.00	85396	0.00	0.04	0.000	0.627
25YR24HR	POND6	BASE	132.01	131.78	134.00	85387	0.00	0.04	0.000	0.630
25YR24HR	POND6	BASE	133.01	131.78	134.00	85379	0.00	0.04	0.000	0.633
25YR24HR	POND6	BASE	134.01	131.78	134.00	85371	0.00	0.04	0.000	0.636
25YR24HR	POND6	BASE	135.01	131.78	134.00	85363	0.00	0.03	0.000	0.639
25YR24HR	POND6	BASE	136.01	131.78	134.00	85355	0.00	0.03	0.000	0.642
25YR24HR	POND6	BASE	137.01	131.77	134.00	85347	0.00	0.03	0.000	0.645
25YR24HR	POND6	BASE	138.01	131.77	134.00	85339	0.00	0.03	0.000	0.647
25YR24HR	POND6	BASE	139.01	131.77	134.00	85332	0.00	0.03	0.000	0.650
25YR24HR	POND6	BASE	140.01	131.77	134.00	85324	0.00	0.03	0.000	0.653
25YR24HR	POND6	BASE	141.01	131.77	134.00	85316	0.00	0.03	0.000	0.656
25YR24HR	POND6	BASE	142.01	131.77	134.00	85309	0.00	0.03	0.000	0.658
25YR24HR	POND6	BASE	143.01	131.77	134.00	85301	0.00	0.03	0.000	0.661
25YR24HR	POND6	BASE	144.01	131.76	134.00	85294	0.00	0.03	0.000	0.664
25YR24HR	POND6	BASE	145.01	131.76	134.00	85287	0.00	0.03	0.000	0.666
25YR24HR	POND6	BASE	146.01	131.76	134.00	85279	0.00	0.03	0.000	0.669
25YR24HR	POND6	BASE	147.01	131.76	134.00	85272	0.00	0.03	0.000	0.671
25YR24HR	POND6	BASE	148.01	131.76	134.00	85265	0.00	0.03	0.000	0.674
25YR24HR	POND6	BASE	149.01	131.76	134.00	85258	0.00	0.03	0.000	0.677
25YR24HR	POND6	BASE	150.01	131.76	134.00	85251	0.00	0.03	0.000	0.679
25YR24HR	POND6	BASE	151.01	131.76	134.00	85244	0.00	0.03	0.000	0.681
25YR24HR	POND6	BASE	152.01	131.75	134.00	85238	0.00	0.03	0.000	0.684
25YR24HR	POND6	BASE	153.01	131.75	134.00	85231	0.00	0.03	0.000	0.686
25YR24HR	POND6	BASE	154.01	131.75	134.00	85224	0.00	0.03	0.000	0.689
25YR24HR	POND6	BASE	155.01	131.75	134.00	85218	0.00	0.03	0.000	0.691
25YR24HR	POND6	BASE	156.01	131.75	134.00	85211	0.00	0.03	0.000	0.693
25YR24HR	POND6	BASE	157.01	131.75	134.00	85205	0.00	0.03	0.000	0.696
25YR24HR	POND6	BASE	158.01	131.75	134.00	85199	0.00	0.03	0.000	0.698
25YR24HR	POND6	BASE	159.01	131.75	134.00	85192	0.00	0.03	0.000	0.700
25YR24HR	POND6	BASE	160.01	131.74	134.00	85186	0.00	0.03	0.000	0.702
25YR24HR	POND6	BASE	161.01	131.74	134.00	85180	0.00	0.03	0.000	0.705
25YR24HR	POND6	BASE	162.01	131.74	134.00	85174	0.00	0.03	0.000	0.707
25YR24HR	POND6	BASE	163.01	131.74	134.00	85168	0.00	0.03	0.000	0.709
25YR24HR	POND6	BASE	164.01	131.74	134.00	85162	0.00	0.03	0.000	0.711
25YR24HR	POND6	BASE	165.01	131.74	134.00	85157	0.00	0.02	0.000	0.713

Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND6	BASE	166.01	131.74	134.00	85151	0.00	0.02	0.000	0.715
25YR24HR	POND6	BASE	167.01	131.74	134.00	85145	0.00	0.02	0.000	0.717
25YR24HR	POND6	BASE	168.01	131.74	134.00	85140	0.00	0.02	0.000	0.719
25YR24HR	POND6	BASE	169.01	131.74	134.00	85134	0.00	0.02	0.000	0.721
25YR24HR	POND6	BASE	170.01	131.73	134.00	85129	0.00	0.02	0.000	0.723
25YR24HR	POND6	BASE	171.01	131.73	134.00	85124	0.00	0.02	0.000	0.725
25YR24HR	POND6	BASE	172.01	131.73	134.00	85118	0.00	0.02	0.000	0.727
25YR24HR	POND6	BASE	173.01	131.73	134.00	85113	0.00	0.02	0.000	0.729
25YR24HR	POND6	BASE	174.01	131.73	134.00	85108	0.00	0.02	0.000	0.730
25YR24HR	POND6	BASE	175.01	131.73	134.00	85103	0.00	0.02	0.000	0.732
25YR24HR	POND6	BASE	176.01	131.73	134.00	85098	0.00	0.02	0.000	0.734
25YR24HR	POND6	BASE	177.01	131.73	134.00	85093	0.00	0.02	0.000	0.736
25YR24HR	POND6	BASE	178.01	131.73	134.00	85088	0.00	0.02	0.000	0.737
25YR24HR	POND6	BASE	179.01	131.73	134.00	85084	0.00	0.02	0.000	0.739
25YR24HR	POND6	BASE	180.01	131.73	134.00	85079	0.00	0.02	0.000	0.741
25YR24HR	POND6	BASE	181.01	131.72	134.00	85075	0.00	0.02	0.000	0.742
25YR24HR	POND6	BASE	182.01	131.72	134.00	85070	0.00	0.02	0.000	0.744
25YR24HR	POND6	BASE	183.01	131.72	134.00	85066	0.00	0.02	0.000	0.746
25YR24HR	POND6	BASE	184.01	131.72	134.00	85061	0.00	0.02	0.000	0.747
25YR24HR	POND6	BASE	185.01	131.72	134.00	85057	0.00	0.02	0.000	0.749
25YR24HR	POND6	BASE	186.01	131.72	134.00	85053	0.00	0.02	0.000	0.750
25YR24HR	POND6	BASE	187.01	131.72	134.00	85049	0.00	0.02	0.000	0.752
25YR24HR	POND6	BASE	188.01	131.72	134.00	85045	0.00	0.02	0.000	0.753
25YR24HR	POND6	BASE	189.01	131.72	134.00	85041	0.00	0.02	0.000	0.755
25YR24HR	POND6	BASE	190.01	131.72	134.00	85037	0.00	0.02	0.000	0.756
25YR24HR	POND6	BASE	191.01	131.72	134.00	85033	0.00	0.02	0.000	0.757
25YR24HR	POND6	BASE	192.01	131.72	134.00	85030	0.00	0.02	0.000	0.759
25YR24HR	POND6	BASE	193.01	131.72	134.00	85026	0.00	0.02	0.000	0.760
25YR24HR	POND6	BASE	194.01	131.71	134.00	85022	0.00	0.02	0.000	0.761
25YR24HR	POND6	BASE	195.01	131.71	134.00	85019	0.00	0.01	0.000	0.762
25YR24HR	POND6	BASE	196.01	131.71	134.00	85015	0.00	0.01	0.000	0.764
25YR24HR	POND6	BASE	197.01	131.71	134.00	85012	0.00	0.01	0.000	0.765
25YR24HR	POND6	BASE	198.01	131.71	134.00	85009	0.00	0.01	0.000	0.766
25YR24HR	POND6	BASE	199.01	131.71	134.00	85006	0.00	0.01	0.000	0.767
25YR24HR	POND6	BASE	200.00	131.71	134.00	85003	0.00	0.01	0.000	0.768
25YR24HR	POND7	BASE	0.00	132.20	134.00	64469	0.00	0.08	0.000	0.000
25YR24HR	POND7	BASE	1.01	132.20	134.00	64449	0.00	0.08	0.000	0.007
25YR24HR	POND7	BASE	2.01	132.19	134.00	64430	0.00	0.08	0.000	0.013
25YR24HR	POND7	BASE	3.01	132.19	134.00	64411	0.00	0.08	0.000	0.020
25YR24HR	POND7	BASE	4.01	132.18	134.00	64392	0.00	0.08	0.000	0.026
25YR24HR	POND7	BASE	5.01	132.18	134.00	64374	0.00	0.08	0.000	0.032
25YR24HR	POND7	BASE	6.01	132.17	134.00	64355	0.00	0.08	0.000	0.039
25YR24HR	POND7	BASE	7.01	132.17	134.00	64336	0.00	0.08	0.000	0.045
25YR24HR	POND7	BASE	8.01	132.17	134.00	64317	0.00	0.08	0.000	0.051
25YR24HR	POND7	BASE	9.01	132.16	134.00	64299	0.00	0.08	0.000	0.058
25YR24HR	POND7	BASE	10.01	132.16	134.00	64280	0.00	0.08	0.000	0.064
25YR24HR	POND7	BASE	11.01	132.15	134.00	64262	0.00	0.08	0.000	0.070
25YR24HR	POND7	BASE	12.01	132.15	134.00	64244	0.00	0.07	0.000	0.076

Dewberry Engineers, Inc.  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND7	BASE	13.01	132.14	134.00	64226	0.00	0.07	0.000	0.082
25YR24HR	POND7	BASE	14.01	132.14	134.00	64208	0.00	0.07	0.000	0.089
25YR24HR	POND7	BASE	15.01	132.14	134.00	64189	0.00	0.07	0.000	0.095
25YR24HR	POND7	BASE	16.01	132.13	134.00	64171	0.00	0.07	0.000	0.101
25YR24HR	POND7	BASE	17.01	132.13	134.00	64154	0.00	0.07	0.000	0.107
25YR24HR	POND7	BASE	18.01	132.12	134.00	64136	0.00	0.07	0.000	0.113
25YR24HR	POND7	BASE	19.01	132.12	134.00	64118	0.00	0.07	0.000	0.119
25YR24HR	POND7	BASE	20.01	132.12	134.00	64100	0.00	0.07	0.000	0.125
25YR24HR	POND7	BASE	21.01	132.11	134.00	64083	0.00	0.07	0.000	0.131
25YR24HR	POND7	BASE	22.01	132.11	134.00	64065	0.00	0.07	0.000	0.137
25YR24HR	POND7	BASE	23.01	132.10	134.00	64048	0.00	0.07	0.000	0.143
25YR24HR	POND7	BASE	24.01	132.10	134.00	64031	0.00	0.07	0.000	0.148
25YR24HR	POND7	BASE	25.01	132.10	134.00	64013	0.00	0.07	0.000	0.154
25YR24HR	POND7	BASE	26.01	132.09	134.00	63996	0.00	0.07	0.000	0.160
25YR24HR	POND7	BASE	27.01	132.09	134.00	63979	0.00	0.07	0.000	0.166
25YR24HR	POND7	BASE	28.01	132.08	134.00	63962	0.00	0.07	0.000	0.171
25YR24HR	POND7	BASE	29.01	132.08	134.00	63945	0.00	0.07	0.000	0.177
25YR24HR	POND7	BASE	30.01	132.08	134.00	63928	0.00	0.07	0.000	0.183
25YR24HR	POND7	BASE	31.01	132.07	134.00	63912	0.00	0.07	0.000	0.188
25YR24HR	POND7	BASE	32.01	132.07	134.00	63895	0.00	0.07	0.000	0.194
25YR24HR	POND7	BASE	33.01	132.06	134.00	63878	0.00	0.07	0.000	0.200
25YR24HR	POND7	BASE	34.01	132.06	134.00	63862	0.00	0.07	0.000	0.205
25YR24HR	POND7	BASE	35.01	132.06	134.00	63845	0.00	0.07	0.000	0.211
25YR24HR	POND7	BASE	36.01	132.05	134.00	63829	0.00	0.07	0.000	0.216
25YR24HR	POND7	BASE	37.01	132.05	134.00	63813	0.00	0.07	0.000	0.222
25YR24HR	POND7	BASE	38.01	132.05	134.00	63797	0.00	0.07	0.000	0.227
25YR24HR	POND7	BASE	39.01	132.04	134.00	63781	0.00	0.07	0.000	0.233
25YR24HR	POND7	BASE	40.01	132.04	134.00	63765	0.00	0.06	0.000	0.238
25YR24HR	POND7	BASE	41.01	132.03	134.00	63749	0.00	0.06	0.000	0.243
25YR24HR	POND7	BASE	42.01	132.03	134.00	63733	0.00	0.06	0.000	0.249
25YR24HR	POND7	BASE	43.01	132.03	134.00	63717	0.00	0.06	0.000	0.254
25YR24HR	POND7	BASE	44.01	132.02	134.00	63701	0.00	0.06	0.000	0.259
25YR24HR	POND7	BASE	45.01	132.02	134.00	63686	0.00	0.06	0.000	0.264
25YR24HR	POND7	BASE	46.01	132.02	134.00	63670	0.00	0.06	0.000	0.270
25YR24HR	POND7	BASE	47.01	132.01	134.00	63655	0.00	0.06	0.000	0.275
25YR24HR	POND7	BASE	48.01	132.01	134.00	63639	0.00	0.06	0.000	0.280
25YR24HR	POND7	BASE	49.01	132.01	134.00	63624	0.00	0.06	0.000	0.285
25YR24HR	POND7	BASE	50.01	132.00	134.00	63609	0.00	0.06	0.000	0.290
25YR24HR	POND7	BASE	51.01	132.00	134.00	63594	0.00	0.06	0.000	0.295
25YR24HR	POND7	BASE	52.01	132.00	134.00	63579	0.00	0.06	0.000	0.300
25YR24HR	POND7	BASE	53.01	131.99	134.00	63564	0.00	0.06	0.000	0.305
25YR24HR	POND7	BASE	54.01	131.99	134.00	63549	0.00	0.06	0.000	0.310
25YR24HR	POND7	BASE	55.01	131.99	134.00	63534	0.00	0.06	0.000	0.315
25YR24HR	POND7	BASE	56.01	131.98	134.00	63520	0.00	0.06	0.000	0.320
25YR24HR	POND7	BASE	57.01	131.98	134.00	63505	0.00	0.06	0.000	0.325
25YR24HR	POND7	BASE	58.01	131.98	134.00	63491	0.00	0.06	0.000	0.330
25YR24HR	POND7	BASE	59.01	131.97	134.00	63476	0.00	0.06	0.000	0.335
25YR24HR	POND7	BASE	60.01	131.97	134.00	63462	0.00	0.06	0.000	0.339
25YR24HR	POND7	BASE	61.01	131.97	134.00	63448	0.00	0.06	0.000	0.344

Recovery Analysis (Ponds 2-7)  
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND7	BASE	62.01	131.96	134.00	63433	0.00	0.06	0.000	0.349
25YR24HR	POND7	BASE	63.01	131.96	134.00	63419	0.00	0.06	0.000	0.354
25YR24HR	POND7	BASE	64.01	131.96	134.00	63405	0.00	0.06	0.000	0.358
25YR24HR	POND7	BASE	65.01	131.95	134.00	63391	0.00	0.06	0.000	0.363
25YR24HR	POND7	BASE	66.01	131.95	134.00	63377	0.00	0.06	0.000	0.368
25YR24HR	POND7	BASE	67.01	131.95	134.00	63364	0.00	0.06	0.000	0.372
25YR24HR	POND7	BASE	68.01	131.94	134.00	63350	0.00	0.06	0.000	0.377
25YR24HR	POND7	BASE	69.01	131.94	134.00	63336	0.00	0.05	0.000	0.381
25YR24HR	POND7	BASE	70.01	131.94	134.00	63323	0.00	0.05	0.000	0.386
25YR24HR	POND7	BASE	71.01	131.93	134.00	63310	0.00	0.05	0.000	0.390
25YR24HR	POND7	BASE	72.01	131.93	134.00	63296	0.00	0.05	0.000	0.395
25YR24HR	POND7	BASE	73.01	131.93	134.00	63283	0.00	0.05	0.000	0.399
25YR24HR	POND7	BASE	74.01	131.92	134.00	63270	0.00	0.05	0.000	0.404
25YR24HR	POND7	BASE	75.01	131.92	134.00	63257	0.00	0.05	0.000	0.408
25YR24HR	POND7	BASE	76.01	131.92	134.00	63244	0.00	0.05	0.000	0.412
25YR24HR	POND7	BASE	77.01	131.92	134.00	63231	0.00	0.05	0.000	0.417
25YR24HR	POND7	BASE	78.01	131.91	134.00	63218	0.00	0.05	0.000	0.421
25YR24HR	POND7	BASE	79.01	131.91	134.00	63205	0.00	0.05	0.000	0.425
25YR24HR	POND7	BASE	80.01	131.91	134.00	63193	0.00	0.05	0.000	0.429
25YR24HR	POND7	BASE	81.01	131.90	134.00	63180	0.00	0.05	0.000	0.433
25YR24HR	POND7	BASE	82.01	131.90	134.00	63168	0.00	0.05	0.000	0.438
25YR24HR	POND7	BASE	83.01	131.90	134.00	63155	0.00	0.05	0.000	0.442
25YR24HR	POND7	BASE	84.01	131.90	134.00	63143	0.00	0.05	0.000	0.446
25YR24HR	POND7	BASE	85.01	131.89	134.00	63131	0.00	0.05	0.000	0.450
25YR24HR	POND7	BASE	86.01	131.89	134.00	63119	0.00	0.05	0.000	0.454
25YR24HR	POND7	BASE	87.01	131.89	134.00	63106	0.00	0.05	0.000	0.458
25YR24HR	POND7	BASE	88.01	131.88	134.00	63095	0.00	0.05	0.000	0.462
25YR24HR	POND7	BASE	89.01	131.88	134.00	63083	0.00	0.05	0.000	0.466
25YR24HR	POND7	BASE	90.01	131.88	134.00	63071	0.00	0.05	0.000	0.470
25YR24HR	POND7	BASE	91.01	131.88	134.00	63059	0.00	0.05	0.000	0.474
25YR24HR	POND7	BASE	92.01	131.87	134.00	63048	0.00	0.05	0.000	0.478
25YR24HR	POND7	BASE	93.01	131.87	134.00	63036	0.00	0.05	0.000	0.481
25YR24HR	POND7	BASE	94.01	131.87	134.00	63025	0.00	0.05	0.000	0.485
25YR24HR	POND7	BASE	95.01	131.87	134.00	63013	0.00	0.05	0.000	0.489
25YR24HR	POND7	BASE	96.01	131.86	134.00	63002	0.00	0.05	0.000	0.493
25YR24HR	POND7	BASE	97.01	131.86	134.00	62991	0.00	0.04	0.000	0.496
25YR24HR	POND7	BASE	98.01	131.86	134.00	62980	0.00	0.04	0.000	0.500
25YR24HR	POND7	BASE	99.01	131.86	134.00	62969	0.00	0.04	0.000	0.504
25YR24HR	POND7	BASE	100.01	131.85	134.00	62958	0.00	0.04	0.000	0.507
25YR24HR	POND7	BASE	101.01	131.85	134.00	62947	0.00	0.04	0.000	0.511
25YR24HR	POND7	BASE	102.01	131.85	134.00	62936	0.00	0.04	0.000	0.515
25YR24HR	POND7	BASE	103.01	131.85	134.00	62925	0.00	0.04	0.000	0.518
25YR24HR	POND7	BASE	104.01	131.84	134.00	62915	0.00	0.04	0.000	0.522
25YR24HR	POND7	BASE	105.01	131.84	134.00	62904	0.00	0.04	0.000	0.525
25YR24HR	POND7	BASE	106.01	131.84	134.00	62894	0.00	0.04	0.000	0.529
25YR24HR	POND7	BASE	107.01	131.84	134.00	62884	0.00	0.04	0.000	0.532
25YR24HR	POND7	BASE	108.01	131.83	134.00	62873	0.00	0.04	0.000	0.535
25YR24HR	POND7	BASE	109.01	131.83	134.00	62863	0.00	0.04	0.000	0.539
25YR24HR	POND7	BASE	110.01	131.83	134.00	62853	0.00	0.04	0.000	0.542

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND7	BASE	111.01	131.83	134.00	62843	0.00	0.04	0.000	0.545
25YR24HR	POND7	BASE	112.01	131.82	134.00	62833	0.00	0.04	0.000	0.549
25YR24HR	POND7	BASE	113.01	131.82	134.00	62824	0.00	0.04	0.000	0.552
25YR24HR	POND7	BASE	114.01	131.82	134.00	62814	0.00	0.04	0.000	0.555
25YR24HR	POND7	BASE	115.01	131.82	134.00	62804	0.00	0.04	0.000	0.558
25YR24HR	POND7	BASE	116.01	131.82	134.00	62795	0.00	0.04	0.000	0.561
25YR24HR	POND7	BASE	117.01	131.81	134.00	62785	0.00	0.04	0.000	0.564
25YR24HR	POND7	BASE	118.01	131.81	134.00	62776	0.00	0.04	0.000	0.568
25YR24HR	POND7	BASE	119.01	131.81	134.00	62767	0.00	0.04	0.000	0.571
25YR24HR	POND7	BASE	120.01	131.81	134.00	62758	0.00	0.04	0.000	0.574
25YR24HR	POND7	BASE	121.01	131.81	134.00	62748	0.00	0.04	0.000	0.577
25YR24HR	POND7	BASE	122.01	131.80	134.00	62739	0.00	0.04	0.000	0.580
25YR24HR	POND7	BASE	123.01	131.80	134.00	62731	0.00	0.04	0.000	0.583
25YR24HR	POND7	BASE	124.01	131.80	134.00	62722	0.00	0.04	0.000	0.586
25YR24HR	POND7	BASE	125.01	131.80	134.00	62713	0.00	0.03	0.000	0.588
25YR24HR	POND7	BASE	126.01	131.79	134.00	62704	0.00	0.03	0.000	0.591
25YR24HR	POND7	BASE	127.01	131.79	134.00	62696	0.00	0.03	0.000	0.594
25YR24HR	POND7	BASE	128.01	131.79	134.00	62687	0.00	0.03	0.000	0.597
25YR24HR	POND7	BASE	129.01	131.79	134.00	62679	0.00	0.03	0.000	0.600
25YR24HR	POND7	BASE	130.01	131.79	134.00	62671	0.00	0.03	0.000	0.602
25YR24HR	POND7	BASE	131.01	131.79	134.00	62662	0.00	0.03	0.000	0.605
25YR24HR	POND7	BASE	132.01	131.78	134.00	62654	0.00	0.03	0.000	0.608
25YR24HR	POND7	BASE	133.01	131.78	134.00	62646	0.00	0.03	0.000	0.610
25YR24HR	POND7	BASE	134.01	131.78	134.00	62638	0.00	0.03	0.000	0.613
25YR24HR	POND7	BASE	135.01	131.78	134.00	62630	0.00	0.03	0.000	0.616
25YR24HR	POND7	BASE	136.01	131.78	134.00	62623	0.00	0.03	0.000	0.618
25YR24HR	POND7	BASE	137.01	131.77	134.00	62615	0.00	0.03	0.000	0.621
25YR24HR	POND7	BASE	138.01	131.77	134.00	62607	0.00	0.03	0.000	0.623
25YR24HR	POND7	BASE	139.01	131.77	134.00	62600	0.00	0.03	0.000	0.626
25YR24HR	POND7	BASE	140.01	131.77	134.00	62593	0.00	0.03	0.000	0.628
25YR24HR	POND7	BASE	141.01	131.77	134.00	62585	0.00	0.03	0.000	0.631
25YR24HR	POND7	BASE	142.01	131.77	134.00	62578	0.00	0.03	0.000	0.633
25YR24HR	POND7	BASE	143.01	131.76	134.00	62571	0.00	0.03	0.000	0.635
25YR24HR	POND7	BASE	144.01	131.76	134.00	62564	0.00	0.03	0.000	0.638
25YR24HR	POND7	BASE	145.01	131.76	134.00	62557	0.00	0.03	0.000	0.640
25YR24HR	POND7	BASE	146.01	131.76	134.00	62550	0.00	0.03	0.000	0.642
25YR24HR	POND7	BASE	147.01	131.76	134.00	62543	0.00	0.03	0.000	0.644
25YR24HR	POND7	BASE	148.01	131.76	134.00	62537	0.00	0.03	0.000	0.647
25YR24HR	POND7	BASE	149.01	131.75	134.00	62530	0.00	0.03	0.000	0.649
25YR24HR	POND7	BASE	150.01	131.75	134.00	62523	0.00	0.03	0.000	0.651
25YR24HR	POND7	BASE	151.01	131.75	134.00	62517	0.00	0.03	0.000	0.653
25YR24HR	POND7	BASE	152.01	131.75	134.00	62511	0.00	0.03	0.000	0.655
25YR24HR	POND7	BASE	153.01	131.75	134.00	62504	0.00	0.02	0.000	0.657
25YR24HR	POND7	BASE	154.01	131.75	134.00	62498	0.00	0.02	0.000	0.659
25YR24HR	POND7	BASE	155.01	131.75	134.00	62492	0.00	0.02	0.000	0.661
25YR24HR	POND7	BASE	156.01	131.74	134.00	62486	0.00	0.02	0.000	0.663
25YR24HR	POND7	BASE	157.01	131.74	134.00	62480	0.00	0.02	0.000	0.665
25YR24HR	POND7	BASE	158.01	131.74	134.00	62474	0.00	0.02	0.000	0.667
25YR24HR	POND7	BASE	159.01	131.74	134.00	62469	0.00	0.02	0.000	0.669

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND7	BASE	160.01	131.74	134.00	62463	0.00	0.02	0.000	0.671
25YR24HR	POND7	BASE	161.01	131.74	134.00	62458	0.00	0.02	0.000	0.673
25YR24HR	POND7	BASE	162.01	131.74	134.00	62452	0.00	0.02	0.000	0.674
25YR24HR	POND7	BASE	163.01	131.74	134.00	62447	0.00	0.02	0.000	0.676
25YR24HR	POND7	BASE	164.01	131.73	134.00	62442	0.00	0.02	0.000	0.678
25YR24HR	POND7	BASE	165.01	131.73	134.00	62436	0.00	0.02	0.000	0.680
25YR24HR	POND7	BASE	166.01	131.73	134.00	62431	0.00	0.02	0.000	0.681
25YR24HR	POND7	BASE	167.01	131.73	134.00	62426	0.00	0.02	0.000	0.683
25YR24HR	POND7	BASE	168.01	131.73	134.00	62421	0.00	0.02	0.000	0.685
25YR24HR	POND7	BASE	169.01	131.73	134.00	62417	0.00	0.02	0.000	0.686
25YR24HR	POND7	BASE	170.01	131.73	134.00	62412	0.00	0.02	0.000	0.688
25YR24HR	POND7	BASE	171.01	131.73	134.00	62407	0.00	0.02	0.000	0.689
25YR24HR	POND7	BASE	172.01	131.73	134.00	62403	0.00	0.02	0.000	0.691
25YR24HR	POND7	BASE	173.01	131.72	134.00	62398	0.00	0.02	0.000	0.692
25YR24HR	POND7	BASE	174.01	131.72	134.00	62394	0.00	0.02	0.000	0.694
25YR24HR	POND7	BASE	175.01	131.72	134.00	62390	0.00	0.02	0.000	0.695
25YR24HR	POND7	BASE	176.01	131.72	134.00	62385	0.00	0.02	0.000	0.696
25YR24HR	POND7	BASE	177.01	131.72	134.00	62381	0.00	0.02	0.000	0.698
25YR24HR	POND7	BASE	178.01	131.72	134.00	62377	0.00	0.02	0.000	0.699
25YR24HR	POND7	BASE	179.01	131.72	134.00	62373	0.00	0.02	0.000	0.700
25YR24HR	POND7	BASE	180.01	131.72	134.00	62370	0.00	0.02	0.000	0.702
25YR24HR	POND7	BASE	181.01	131.72	134.00	62366	0.00	0.01	0.000	0.703
25YR24HR	POND7	BASE	182.01	131.72	134.00	62362	0.00	0.01	0.000	0.704
25YR24HR	POND7	BASE	183.01	131.72	134.00	62359	0.00	0.01	0.000	0.705
25YR24HR	POND7	BASE	184.01	131.71	134.00	62355	0.00	0.01	0.000	0.706
25YR24HR	POND7	BASE	185.01	131.71	134.00	62352	0.00	0.01	0.000	0.707
25YR24HR	POND7	BASE	186.01	131.71	134.00	62349	0.00	0.01	0.000	0.708
25YR24HR	POND7	BASE	187.01	131.71	134.00	62345	0.00	0.01	0.000	0.710
25YR24HR	POND7	BASE	188.01	131.71	134.00	62342	0.00	0.01	0.000	0.711
25YR24HR	POND7	BASE	189.01	131.71	134.00	62339	0.00	0.01	0.000	0.712
25YR24HR	POND7	BASE	190.01	131.71	134.00	62336	0.00	0.01	0.000	0.713
25YR24HR	POND7	BASE	191.01	131.71	134.00	62334	0.00	0.01	0.000	0.713
25YR24HR	POND7	BASE	192.01	131.71	134.00	62331	0.00	0.01	0.000	0.714
25YR24HR	POND7	BASE	193.01	131.71	134.00	62328	0.00	0.01	0.000	0.715
25YR24HR	POND7	BASE	194.01	131.71	134.00	62326	0.00	0.01	0.000	0.716
25YR24HR	POND7	BASE	195.01	131.71	134.00	62323	0.00	0.01	0.000	0.717
25YR24HR	POND7	BASE	196.01	131.71	134.00	62321	0.00	0.01	0.000	0.718
25YR24HR	POND7	BASE	197.01	131.71	134.00	62318	0.00	0.01	0.000	0.718
25YR24HR	POND7	BASE	198.01	131.71	134.00	62316	0.00	0.01	0.000	0.719
25YR24HR	POND7	BASE	199.01	131.71	134.00	62314	0.00	0.01	0.000	0.720
25YR24HR	POND7	BASE	200.00	131.70	134.00	62312	0.00	0.01	0.000	0.720
25YR24HR	POND8	BASE	0.00	132.40	134.30	74923	0.00	0.09	0.000	0.000
25YR24HR	POND8	BASE	1.01	132.40	134.30	74895	0.00	0.09	0.000	0.008
25YR24HR	POND8	BASE	2.01	132.39	134.30	74868	0.00	0.09	0.000	0.016
25YR24HR	POND8	BASE	3.01	132.39	134.30	74841	0.00	0.09	0.000	0.023
25YR24HR	POND8	BASE	4.01	132.38	134.30	74814	0.00	0.09	0.000	0.031
25YR24HR	POND8	BASE	5.01	132.38	134.30	74787	0.00	0.09	0.000	0.038
25YR24HR	POND8	BASE	6.01	132.37	134.30	74760	0.00	0.09	0.000	0.046

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND8	BASE	7.01	132.37	134.30	74733	0.00	0.09	0.000	0.054
25YR24HR	POND8	BASE	8.01	132.36	134.30	74706	0.00	0.09	0.000	0.061
25YR24HR	POND8	BASE	9.01	132.36	134.30	74680	0.00	0.09	0.000	0.069
25YR24HR	POND8	BASE	10.01	132.36	134.30	74653	0.00	0.09	0.000	0.076
25YR24HR	POND8	BASE	11.01	132.35	134.30	74627	0.00	0.09	0.000	0.083
25YR24HR	POND8	BASE	12.01	132.35	134.30	74601	0.00	0.09	0.000	0.091
25YR24HR	POND8	BASE	13.01	132.34	134.30	74575	0.00	0.09	0.000	0.098
25YR24HR	POND8	BASE	14.01	132.34	134.30	74549	0.00	0.09	0.000	0.105
25YR24HR	POND8	BASE	15.01	132.33	134.30	74523	0.00	0.09	0.000	0.113
25YR24HR	POND8	BASE	16.01	132.33	134.30	74497	0.00	0.09	0.000	0.120
25YR24HR	POND8	BASE	17.01	132.33	134.30	74471	0.00	0.09	0.000	0.127
25YR24HR	POND8	BASE	18.01	132.32	134.30	74446	0.00	0.09	0.000	0.134
25YR24HR	POND8	BASE	19.01	132.32	134.30	74421	0.00	0.09	0.000	0.141
25YR24HR	POND8	BASE	20.01	132.31	134.30	74395	0.00	0.09	0.000	0.148
25YR24HR	POND8	BASE	21.01	132.31	134.30	74370	0.00	0.09	0.000	0.155
25YR24HR	POND8	BASE	22.01	132.31	134.30	74345	0.00	0.08	0.000	0.162
25YR24HR	POND8	BASE	23.01	132.30	134.30	74320	0.00	0.08	0.000	0.169
25YR24HR	POND8	BASE	24.01	132.30	134.30	74295	0.00	0.08	0.000	0.176
25YR24HR	POND8	BASE	25.01	132.29	134.30	74271	0.00	0.08	0.000	0.183
25YR24HR	POND8	BASE	26.01	132.29	134.30	74246	0.00	0.08	0.000	0.190
25YR24HR	POND8	BASE	27.01	132.28	134.30	74222	0.00	0.08	0.000	0.197
25YR24HR	POND8	BASE	28.01	132.28	134.30	74197	0.00	0.08	0.000	0.204
25YR24HR	POND8	BASE	29.01	132.28	134.30	74173	0.00	0.08	0.000	0.210
25YR24HR	POND8	BASE	30.01	132.27	134.30	74149	0.00	0.08	0.000	0.217
25YR24HR	POND8	BASE	31.01	132.27	134.30	74125	0.00	0.08	0.000	0.224
25YR24HR	POND8	BASE	32.01	132.27	134.30	74101	0.00	0.08	0.000	0.231
25YR24HR	POND8	BASE	33.01	132.26	134.30	74078	0.00	0.08	0.000	0.237
25YR24HR	POND8	BASE	34.01	132.26	134.30	74054	0.00	0.08	0.000	0.244
25YR24HR	POND8	BASE	35.01	132.25	134.30	74030	0.00	0.08	0.000	0.250
25YR24HR	POND8	BASE	36.01	132.25	134.30	74007	0.00	0.08	0.000	0.257
25YR24HR	POND8	BASE	37.01	132.25	134.30	73984	0.00	0.08	0.000	0.263
25YR24HR	POND8	BASE	38.01	132.24	134.30	73961	0.00	0.08	0.000	0.270
25YR24HR	POND8	BASE	39.01	132.24	134.30	73938	0.00	0.08	0.000	0.276
25YR24HR	POND8	BASE	40.01	132.23	134.30	73915	0.00	0.08	0.000	0.282
25YR24HR	POND8	BASE	41.01	132.23	134.30	73892	0.00	0.08	0.000	0.289
25YR24HR	POND8	BASE	42.01	132.23	134.30	73869	0.00	0.08	0.000	0.295
25YR24HR	POND8	BASE	43.01	132.22	134.30	73847	0.00	0.08	0.000	0.301
25YR24HR	POND8	BASE	44.01	132.22	134.30	73824	0.00	0.08	0.000	0.308
25YR24HR	POND8	BASE	45.01	132.22	134.30	73802	0.00	0.07	0.000	0.314
25YR24HR	POND8	BASE	46.01	132.21	134.30	73780	0.00	0.07	0.000	0.320
25YR24HR	POND8	BASE	47.01	132.21	134.30	73758	0.00	0.07	0.000	0.326
25YR24HR	POND8	BASE	48.01	132.21	134.30	73736	0.00	0.07	0.000	0.332
25YR24HR	POND8	BASE	49.01	132.20	134.30	73714	0.00	0.07	0.000	0.338
25YR24HR	POND8	BASE	50.01	132.20	134.30	73693	0.00	0.07	0.000	0.344
25YR24HR	POND8	BASE	51.01	132.19	134.30	73671	0.00	0.07	0.000	0.350
25YR24HR	POND8	BASE	52.01	132.19	134.30	73650	0.00	0.07	0.000	0.356
25YR24HR	POND8	BASE	53.01	132.19	134.30	73628	0.00	0.07	0.000	0.362
25YR24HR	POND8	BASE	54.01	132.18	134.30	73607	0.00	0.07	0.000	0.368
25YR24HR	POND8	BASE	55.01	132.18	134.30	73586	0.00	0.07	0.000	0.374

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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND8	BASE	56.01	132.18	134.30	73565	0.00	0.07	0.000	0.380
25YR24HR	POND8	BASE	57.01	132.17	134.30	73544	0.00	0.07	0.000	0.385
25YR24HR	POND8	BASE	58.01	132.17	134.30	73524	0.00	0.07	0.000	0.391
25YR24HR	POND8	BASE	59.01	132.17	134.30	73503	0.00	0.07	0.000	0.397
25YR24HR	POND8	BASE	60.01	132.16	134.30	73483	0.00	0.07	0.000	0.402
25YR24HR	POND8	BASE	61.01	132.16	134.30	73462	0.00	0.07	0.000	0.408
25YR24HR	POND8	BASE	62.01	132.16	134.30	73442	0.00	0.07	0.000	0.414
25YR24HR	POND8	BASE	63.01	132.15	134.30	73422	0.00	0.07	0.000	0.419
25YR24HR	POND8	BASE	64.01	132.15	134.30	73402	0.00	0.07	0.000	0.425
25YR24HR	POND8	BASE	65.01	132.15	134.30	73382	0.00	0.07	0.000	0.430
25YR24HR	POND8	BASE	66.01	132.14	134.30	73362	0.00	0.07	0.000	0.436
25YR24HR	POND8	BASE	67.01	132.14	134.30	73343	0.00	0.07	0.000	0.441
25YR24HR	POND8	BASE	68.01	132.14	134.30	73323	0.00	0.06	0.000	0.446
25YR24HR	POND8	BASE	69.01	132.13	134.30	73304	0.00	0.06	0.000	0.452
25YR24HR	POND8	BASE	70.01	132.13	134.30	73285	0.00	0.06	0.000	0.457
25YR24HR	POND8	BASE	71.01	132.13	134.30	73266	0.00	0.06	0.000	0.462
25YR24HR	POND8	BASE	72.01	132.13	134.30	73247	0.00	0.06	0.000	0.468
25YR24HR	POND8	BASE	73.01	132.12	134.30	73228	0.00	0.06	0.000	0.473
25YR24HR	POND8	BASE	74.01	132.12	134.30	73209	0.00	0.06	0.000	0.478
25YR24HR	POND8	BASE	75.01	132.12	134.30	73191	0.00	0.06	0.000	0.483
25YR24HR	POND8	BASE	76.01	132.11	134.30	73172	0.00	0.06	0.000	0.488
25YR24HR	POND8	BASE	77.01	132.11	134.30	73154	0.00	0.06	0.000	0.493
25YR24HR	POND8	BASE	78.01	132.11	134.30	73136	0.00	0.06	0.000	0.498
25YR24HR	POND8	BASE	79.01	132.10	134.30	73118	0.00	0.06	0.000	0.503
25YR24HR	POND8	BASE	80.01	132.10	134.30	73100	0.00	0.06	0.000	0.508
25YR24HR	POND8	BASE	81.01	132.10	134.30	73082	0.00	0.06	0.000	0.513
25YR24HR	POND8	BASE	82.01	132.10	134.30	73064	0.00	0.06	0.000	0.518
25YR24HR	POND8	BASE	83.01	132.09	134.30	73047	0.00	0.06	0.000	0.523
25YR24HR	POND8	BASE	84.01	132.09	134.30	73029	0.00	0.06	0.000	0.527
25YR24HR	POND8	BASE	85.01	132.09	134.30	73012	0.00	0.06	0.000	0.532
25YR24HR	POND8	BASE	86.01	132.08	134.30	72995	0.00	0.06	0.000	0.537
25YR24HR	POND8	BASE	87.01	132.08	134.30	72978	0.00	0.06	0.000	0.542
25YR24HR	POND8	BASE	88.01	132.08	134.30	72961	0.00	0.06	0.000	0.546
25YR24HR	POND8	BASE	89.01	132.08	134.30	72944	0.00	0.06	0.000	0.551
25YR24HR	POND8	BASE	90.01	132.07	134.30	72927	0.00	0.06	0.000	0.555
25YR24HR	POND8	BASE	91.01	132.07	134.30	72911	0.00	0.05	0.000	0.560
25YR24HR	POND8	BASE	92.01	132.07	134.30	72894	0.00	0.05	0.000	0.565
25YR24HR	POND8	BASE	93.01	132.06	134.30	72878	0.00	0.05	0.000	0.569
25YR24HR	POND8	BASE	94.01	132.06	134.30	72862	0.00	0.05	0.000	0.573
25YR24HR	POND8	BASE	95.01	132.06	134.30	72846	0.00	0.05	0.000	0.578
25YR24HR	POND8	BASE	96.01	132.06	134.30	72830	0.00	0.05	0.000	0.582
25YR24HR	POND8	BASE	97.01	132.05	134.30	72814	0.00	0.05	0.000	0.587
25YR24HR	POND8	BASE	98.01	132.05	134.30	72798	0.00	0.05	0.000	0.591
25YR24HR	POND8	BASE	99.01	132.05	134.30	72783	0.00	0.05	0.000	0.595
25YR24HR	POND8	BASE	100.01	132.05	134.30	72767	0.00	0.05	0.000	0.599
25YR24HR	POND8	BASE	101.01	132.04	134.30	72752	0.00	0.05	0.000	0.603
25YR24HR	POND8	BASE	102.01	132.04	134.30	72737	0.00	0.05	0.000	0.608
25YR24HR	POND8	BASE	103.01	132.04	134.30	72722	0.00	0.05	0.000	0.612
25YR24HR	POND8	BASE	104.01	132.04	134.30	72707	0.00	0.05	0.000	0.616

Recovery Analysis (Ponds 2-7)  
 CR 557 Widening  
 Time Series Report

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND8	BASE	105.01	132.03	134.30	72692	0.00	0.05	0.000	0.620
25YR24HR	POND8	BASE	106.01	132.03	134.30	72678	0.00	0.05	0.000	0.624
25YR24HR	POND8	BASE	107.01	132.03	134.30	72663	0.00	0.05	0.000	0.628
25YR24HR	POND8	BASE	108.01	132.03	134.30	72649	0.00	0.05	0.000	0.632
25YR24HR	POND8	BASE	109.01	132.02	134.30	72634	0.00	0.05	0.000	0.636
25YR24HR	POND8	BASE	110.01	132.02	134.30	72620	0.00	0.05	0.000	0.640
25YR24HR	POND8	BASE	111.01	132.02	134.30	72606	0.00	0.05	0.000	0.643
25YR24HR	POND8	BASE	112.01	132.02	134.30	72592	0.00	0.05	0.000	0.647
25YR24HR	POND8	BASE	113.01	132.02	134.30	72579	0.00	0.05	0.000	0.651
25YR24HR	POND8	BASE	114.01	132.01	134.30	72565	0.00	0.04	0.000	0.655
25YR24HR	POND8	BASE	115.01	132.01	134.30	72552	0.00	0.04	0.000	0.658
25YR24HR	POND8	BASE	116.01	132.01	134.30	72538	0.00	0.04	0.000	0.662
25YR24HR	POND8	BASE	117.01	132.01	134.30	72525	0.00	0.04	0.000	0.666
25YR24HR	POND8	BASE	118.01	132.00	134.30	72512	0.00	0.04	0.000	0.669
25YR24HR	POND8	BASE	119.01	132.00	134.30	72499	0.00	0.04	0.000	0.673
25YR24HR	POND8	BASE	120.01	132.00	134.30	72486	0.00	0.04	0.000	0.676
25YR24HR	POND8	BASE	121.01	132.00	134.30	72474	0.00	0.04	0.000	0.680
25YR24HR	POND8	BASE	122.01	132.00	134.30	72461	0.00	0.04	0.000	0.683
25YR24HR	POND8	BASE	123.01	131.99	134.30	72449	0.00	0.04	0.000	0.686
25YR24HR	POND8	BASE	124.01	131.99	134.30	72436	0.00	0.04	0.000	0.690
25YR24HR	POND8	BASE	125.01	131.99	134.30	72424	0.00	0.04	0.000	0.693
25YR24HR	POND8	BASE	126.01	131.99	134.30	72412	0.00	0.04	0.000	0.696
25YR24HR	POND8	BASE	127.01	131.99	134.30	72400	0.00	0.04	0.000	0.700
25YR24HR	POND8	BASE	128.01	131.98	134.30	72388	0.00	0.04	0.000	0.703
25YR24HR	POND8	BASE	129.01	131.98	134.30	72377	0.00	0.04	0.000	0.706
25YR24HR	POND8	BASE	130.01	131.98	134.30	72365	0.00	0.04	0.000	0.709
25YR24HR	POND8	BASE	131.01	131.98	134.30	72354	0.00	0.04	0.000	0.712
25YR24HR	POND8	BASE	132.01	131.98	134.30	72343	0.00	0.04	0.000	0.715
25YR24HR	POND8	BASE	133.01	131.98	134.30	72332	0.00	0.04	0.000	0.718
25YR24HR	POND8	BASE	134.01	131.97	134.30	72321	0.00	0.04	0.000	0.721
25YR24HR	POND8	BASE	135.01	131.97	134.30	72310	0.00	0.04	0.000	0.724
25YR24HR	POND8	BASE	136.01	131.97	134.30	72299	0.00	0.04	0.000	0.727
25YR24HR	POND8	BASE	137.01	131.97	134.30	72288	0.00	0.03	0.000	0.730
25YR24HR	POND8	BASE	138.01	131.97	134.30	72278	0.00	0.03	0.000	0.733
25YR24HR	POND8	BASE	139.01	131.96	134.30	72268	0.00	0.03	0.000	0.736
25YR24HR	POND8	BASE	140.01	131.96	134.30	72257	0.00	0.03	0.000	0.738
25YR24HR	POND8	BASE	141.01	131.96	134.30	72247	0.00	0.03	0.000	0.741
25YR24HR	POND8	BASE	142.01	131.96	134.30	72237	0.00	0.03	0.000	0.744
25YR24HR	POND8	BASE	143.01	131.96	134.30	72228	0.00	0.03	0.000	0.747
25YR24HR	POND8	BASE	144.01	131.96	134.30	72218	0.00	0.03	0.000	0.749
25YR24HR	POND8	BASE	145.01	131.95	134.30	72208	0.00	0.03	0.000	0.752
25YR24HR	POND8	BASE	146.01	131.95	134.30	72199	0.00	0.03	0.000	0.754
25YR24HR	POND8	BASE	147.01	131.95	134.30	72190	0.00	0.03	0.000	0.757
25YR24HR	POND8	BASE	148.01	131.95	134.30	72181	0.00	0.03	0.000	0.759
25YR24HR	POND8	BASE	149.01	131.95	134.30	72172	0.00	0.03	0.000	0.762
25YR24HR	POND8	BASE	150.01	131.95	134.30	72163	0.00	0.03	0.000	0.764
25YR24HR	POND8	BASE	151.01	131.95	134.30	72154	0.00	0.03	0.000	0.767
25YR24HR	POND8	BASE	152.01	131.94	134.30	72146	0.00	0.03	0.000	0.769
25YR24HR	POND8	BASE	153.01	131.94	134.30	72137	0.00	0.03	0.000	0.771

Recovery Analysis (Ponds 2-7)  
 CR 557 Widening  
 Time Series Report

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25YR24HR	POND8	BASE	154.01	131.94	134.30	72129	0.00	0.03	0.000	0.773
25YR24HR	POND8	BASE	155.01	131.94	134.30	72121	0.00	0.03	0.000	0.776
25YR24HR	POND8	BASE	156.01	131.94	134.30	72112	0.00	0.03	0.000	0.778
25YR24HR	POND8	BASE	157.01	131.94	134.30	72105	0.00	0.03	0.000	0.780
25YR24HR	POND8	BASE	158.01	131.94	134.30	72097	0.00	0.03	0.000	0.782
25YR24HR	POND8	BASE	159.01	131.94	134.30	72089	0.00	0.02	0.000	0.784
25YR24HR	POND8	BASE	160.01	131.93	134.30	72082	0.00	0.02	0.000	0.786
25YR24HR	POND8	BASE	161.01	131.93	134.30	72074	0.00	0.02	0.000	0.788
25YR24HR	POND8	BASE	162.01	131.93	134.30	72067	0.00	0.02	0.000	0.790
25YR24HR	POND8	BASE	163.01	131.93	134.30	72060	0.00	0.02	0.000	0.792
25YR24HR	POND8	BASE	164.01	131.93	134.30	72053	0.00	0.02	0.000	0.794
25YR24HR	POND8	BASE	165.01	131.93	134.30	72046	0.00	0.02	0.000	0.796
25YR24HR	POND8	BASE	166.01	131.93	134.30	72039	0.00	0.02	0.000	0.798
25YR24HR	POND8	BASE	167.01	131.93	134.30	72033	0.00	0.02	0.000	0.800
25YR24HR	POND8	BASE	168.01	131.92	134.30	72026	0.00	0.02	0.000	0.801
25YR24HR	POND8	BASE	169.01	131.92	134.30	72020	0.00	0.02	0.000	0.803
25YR24HR	POND8	BASE	170.01	131.92	134.30	72014	0.00	0.02	0.000	0.805
25YR24HR	POND8	BASE	171.01	131.92	134.30	72007	0.00	0.02	0.000	0.806
25YR24HR	POND8	BASE	172.01	131.92	134.30	72002	0.00	0.02	0.000	0.808
25YR24HR	POND8	BASE	173.01	131.92	134.30	71996	0.00	0.02	0.000	0.810
25YR24HR	POND8	BASE	174.01	131.92	134.30	71990	0.00	0.02	0.000	0.811
25YR24HR	POND8	BASE	175.01	131.92	134.30	71985	0.00	0.02	0.000	0.813
25YR24HR	POND8	BASE	176.01	131.92	134.30	71979	0.00	0.02	0.000	0.814
25YR24HR	POND8	BASE	177.01	131.92	134.30	71974	0.00	0.02	0.000	0.815
25YR24HR	POND8	BASE	178.01	131.92	134.30	71969	0.00	0.02	0.000	0.817
25YR24HR	POND8	BASE	179.01	131.91	134.30	71964	0.00	0.02	0.000	0.818
25YR24HR	POND8	BASE	180.01	131.91	134.30	71959	0.00	0.02	0.000	0.819
25YR24HR	POND8	BASE	181.01	131.91	134.30	71954	0.00	0.02	0.000	0.821
25YR24HR	POND8	BASE	182.01	131.91	134.30	71950	0.00	0.01	0.000	0.822
25YR24HR	POND8	BASE	183.01	131.91	134.30	71945	0.00	0.01	0.000	0.823
25YR24HR	POND8	BASE	184.01	131.91	134.30	71941	0.00	0.01	0.000	0.824
25YR24HR	POND8	BASE	185.01	131.91	134.30	71937	0.00	0.01	0.000	0.825
25YR24HR	POND8	BASE	186.01	131.91	134.30	71933	0.00	0.01	0.000	0.827
25YR24HR	POND8	BASE	187.01	131.91	134.30	71929	0.00	0.01	0.000	0.828
25YR24HR	POND8	BASE	188.01	131.91	134.30	71925	0.00	0.01	0.000	0.829
25YR24HR	POND8	BASE	189.01	131.91	134.30	71921	0.00	0.01	0.000	0.830
25YR24HR	POND8	BASE	190.01	131.91	134.30	71918	0.00	0.01	0.000	0.831
25YR24HR	POND8	BASE	191.01	131.91	134.30	71914	0.00	0.01	0.000	0.832
25YR24HR	POND8	BASE	192.01	131.91	134.30	71911	0.00	0.01	0.000	0.832
25YR24HR	POND8	BASE	193.01	131.91	134.30	71908	0.00	0.01	0.000	0.833
25YR24HR	POND8	BASE	194.01	131.91	134.30	71905	0.00	0.01	0.000	0.834
25YR24HR	POND8	BASE	195.01	131.90	134.30	71902	0.00	0.01	0.000	0.835
25YR24HR	POND8	BASE	196.01	131.90	134.30	71900	0.00	0.01	0.000	0.836
25YR24HR	POND8	BASE	197.01	131.90	134.30	71897	0.00	0.01	0.000	0.836
25YR24HR	POND8	BASE	198.01	131.90	134.30	71895	0.00	0.01	0.000	0.837
25YR24HR	POND8	BASE	199.01	131.90	134.30	71892	0.00	0.01	0.000	0.838
25YR24HR	POND8	BASE	200.00	131.90	134.30	71890	0.00	0.01	0.000	0.838

## APPENDIX E: Floodplain Impact and Compensation Calculations



800 N. Magnolia Ave, Suite 1000  
Orlando, FL 32803

Made by: NIR  
Checked By: SVC

Date: 12/30/2022  
Date: 12/30/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-1  
Existing Node ID: NB0040  
Start Station: 1235+66  
End Station: 1242+00  
Offset: LT  
FEMA Flood Elevation: 131.80  
SHW Elevation: 131.90



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Date: 12/30/2022  
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Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-2  
Existing Node ID: NB2120  
Start Station: 1274+35  
End Station: 1277+37  
Offset: RT  
FEMA Flood Elevation: 132.70  
SHW Elevation: 132.90



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Checked By: SVC

Date: 12/30/2022  
Date: 12/30/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-3  
Existing Node ID: NB2050  
Start Station: 1285+97  
End Station: 1295+78  
Offset: LT  
FEMA Flood Elevation: 132.30  
SHW Elevation: 132.90



800 N. Magnolia Ave, Suite 1000  
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Made by: NIR  
Checked By: SVC

Date: 12/30/2022  
Date: 12/30/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-4  
Existing Node ID: NB2070  
Start Station: 1289+49  
End Station: 1308+73  
Offset: RT  
FEMA Flood Elevation: 132.30  
SHW Elevation: 132.60





800 N. Magnolia Ave, Suite 1000  
Orlando, FL 32803

Made by: NIR  
Checked By: SVC

Date: 12/30/2022  
Date: 12/30/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-5  
Existing Node ID: NB2020  
Start Station: 1305+82  
End Station: 1307+49  
Offset: LT  
100-yr, 5-day Flood Elevation: 132.24  
SHW Elevation: 132.60



800 N. Magnolia Ave, Suite 1000  
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Checked By: SVC

Date: 12/20/2022  
Date: 12/20/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-6  
Existing Node ID: NO14220  
Start Station: 1350+94  
End Station: 1361+50  
Offset: LT  
FEMA Flood Elevation: 133.30  
SHW Elevation: 131.80

Measured Floodplain Impacts					
Elevation (ft NAVD88)	Floodplain Impact (ac)	Avg. Impact Area (ac)	Delta D (ft)	Delta Impact (ac-ft)	Sum Impact (ac-ft)
133.30	1.1948	1.1564	0.30	0.347	1.52
133.00	1.1180	1.0041	1.00	1.004	1.18
132.00	0.8902	0.8662	0.20	0.173	0.17
131.80	0.8423	0.0000	0.00	0.00	0.00

Modeled Impacts			
Model Stage (ft NAVD88)	Existing Area (ac)	Floodplain Impact (ac)	Proposed Area (ac)
	(1)	(2)	(1)-(2)
134.00	49.28	-	49.28
133.50	46.66	-	46.66
133.30	45.61	1.1948	44.417
133.00	44.04	1.1180	42.922
132.00	37.62	0.8902	36.730
131.80	30.14	0.8423	29.298
131.50	18.92	-	18.920
131.00	0.22	-	0.220



Made by: NIR  
Checked By: SVC

Date: 12/20/2022  
Date: 12/20/2022

800 N. Magnolia Ave, Suite 1000  
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Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-8A  
Existing Node ID: NHH8117  
Start Station: 1383+80  
End Station: 1430+25  
Offset: LT  
100-yr, 5-day Flood Elevation: 132.9  
SHW Elevation: 131.7

Measured Floodplain Impacts					
Elevation (ft NAVD88)	Floodplain Impact (ac)	Avg. Impact Area (ac)	Delta D (ft)	Delta Impact (ac-ft)	Sum Impact (ac-ft)
132.9	15.2919	15.0876	0.40	6.035	17.61
132.5	14.8834	14.6490	0.50	7.325	11.57
132	14.4146	14.1620	0.30	4.249	4.25
131.7	13.9093	0.0000	0.00	0.00	0.00

Modeled Impacts			
Model Stage (ft NAVD88)	Existing Area (ac)	Floodplain Impact (ac)	Proposed Area (ac)
	(1)	(2)	(1)-(2)
133.00	173.4500	-	173.450
132.90	172.0950	15.2919	156.803
132.50	166.6750	14.8834	151.792
132.00	159.9000	14.4146	145.485
131.70	135.2010	13.9093	121.292
131.00	77.57	-	77.570



800 N. Magnolia Ave, Suite 1000  
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Checked By: SVC

Date: 12/20/2022  
Date: 12/20/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-8B  
Existing Node ID: NHH8116  
Start Station: 1430+25  
End Station: 1455+00  
Offset: LT  
100-yr, 5-day Flood Elevation: 132.9  
SHW Elevation: 131.7

Measured Floodplain Impacts					
Elevation (ft NAVD88)	Floodplain Impact (ac)	Avg. Impact Area (ac)	Delta D (ft)	Delta Impact (ac-ft)	Sum Impact (ac-ft)
132.9	5.86	5.6400	0.40	2.256	6.02
132.5	5.42	4.9950	0.50	2.498	3.76
132	4.57	4.2220	0.30	1.267	1.27
131.7	3.87	0.0000	0.00	0.00	0.00

Modeled Impacts			
Model Stage (ft NAVD88)	Existing Area (ac)	Floodplain Impact (ac)	Proposed Area (ac)
	(1)	(2)	(1)-(2)
133.00	1144.8600	-	1144.860
132.90	1136.0830	5.86	1130.223
132.50	1100.9750	5.42	1095.555
132.00	1057.0900	4.57	1052.520
131.70	746.4070	3.87	742.533
131.00	21.4800	-	21.480



800 N. Magnolia Ave, Suite 1000  
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Made by: NIR  
Checked By: SVC

Date: 12/15/2022  
Date: 12/15/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-10  
Existing Node ID: NHH81181  
Start Station: 1462+50  
End Station: 1474+20  
Offset: LT  
100-yr, 5-day Flood Elevation: 133.0  
SHW Elevation: 131.9

Measured Floodplain Impacts					
Elevation (ft NAVD88)	Floodplain Impact (ac)	Avg. Impact Area (ac)	Delta D (ft)	Delta Impact (ac-ft)	Sum Impact (ac-ft)
133.0	2.3423	1.9364	1.00	1.94	2.08
132.0	1.5305	1.4622	0.10	0.146	0.15
131.9	1.3938	0.0000	0.00	0.00	0.00
131.5	0.8472	0.0000	0.00	0.00	0.00

Modeled Impacts				
Model Stage (ft NAVD88)	Existing Area (ac)	Floodplain Impact (ac)	Floodplain Compensation (ac)	Proposed Area (ac)
	(1)	(2)	(3)	(1)-(2)+(3)
136.53	15.1676	-	-	15.1676
136.00	14.3859	-	0.599	14.9849
135.53	13.6926	-	0.1891	13.8817
135.00	12.2277	-	1.0127	13.2404
134.53	10.9286	-	1.7394	12.6680
134.00	8.9250	-	2.0237	10.9487
133.53	7.1482	-	1.9881	9.1363
133.30	6.2561	-	1.9823	8.2385
133.00	5.0926	2.3423	1.9748	4.7251
132.53	3.2696	1.8683	1.9558	3.3572
132.00	1.9708	1.5305	1.9368	2.3771
131.90	1.7257	1.3938	1.9191	2.2510
131.53	0.8190	0.8190	1.9610	1.9610
131.03	0.2000	-	-	0.2000



800 N. Magnolia Ave, Suite 1000  
Orlando, FL 32803

Made by: NIR  
Checked By: SVC

Date: 12/20/2022  
Date: 12/20/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-11  
Existing Node ID: NHH81180  
Start Station: 1474+20  
End Station: 1489+50  
Offset: LT  
100-yr, 5-day Flood Elevation: 132.8  
SHW Elevation: 131.9

Measured Floodplain Impacts					
Elevation (ft NAVD88)	Floodplain Impact (ac)	Avg. Impact Area (ac)	Delta D (ft)	Delta Impact (ac-ft)	Sum Impact (ac-ft)
132.8	3.0615	2.9168	0.30	0.875	2.12
132.5	2.7722	2.1852	0.50	1.093	1.24
132.0	1.5981	1.4970	0.10	0.150	0.15
131.9	1.3959	0.0000	0.00	0.00	0.00

Modeled Impacts			
Model Stage (ft NAVD88)	Existing Area (ac)	Floodplain Impact (ac)	Proposed Area (ac)
	(1)	(2)	(1)-(2)
133.20	36.2345	-	36.235
133.00	34.0100	-	34.010
132.80	31.7855	3.0615	28.724
132.50	28.4487	2.7722	25.676
132.20	25.1119	2.0677	23.044
132.00	21.9530	1.5981	20.355
131.90	20.3736	1.3959	18.978
131.50	14.0559	-	14.056
131.20	9.3176	-	9.318



800 N. Magnolia Ave, Suite 1000  
Orlando, FL 32803

Made by: NIR  
Checked By: SVC

Date: 12/19/2022  
Date: 12/19/2022

Floodplain Impact and Compensation Calculations  
Project: CR 557 Widening

Name: FIA-12  
Existing Node ID: NHH8181  
Start Station: 1486+67  
End Station: 1488+50  
Offset: RT  
100-yr, 5-day Flood Elevation: 132.0  
SHW Elevation: 131.9

Measured Floodplain Impacts					
Elevation (ft NAVD88)	Floodplain Impact (ac)	Avg. Impact Area (ac)	Delta D (ft)	Delta Impact (ac-ft)	Sum Impact (ac-ft)
132.0	0.5539	0.5451	0.10	0.055	0.05
131.9	0.5363	0.0000	0.00	0.00	0.00

Modeled Impacts			
Model Stage (ft NAVD88)	Existing Area (ac)	Floodplain Impact (ac)	Proposed Area (ac)
	(1)	(2)	(1)-(2)
132.00	81.80	0.5539	81.246
131.90	74.61	0.5363	74.075
131.00	9.91	-	9.910

CR557 Widening

Floodplain Compensation Calculations - (FIA 9A)																												
Floodplain Elevation based on FEMA FIRM Panel No. 12105C0215G. This floodplain is located on the EAST side of CR557 between station 1347+00 and station 1371+00.																												
		From Ele. 131.80 to Ele. 132.00									From Ele. 132.00 to Ele. 133.00									From Ele. 133.00 to Ele. 133.90								
Station	Length (ft)	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )			
1347+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000						
	100.00			0.0000			0.0000	0.00	0.00			2.5994			2.2200	259.94	222.00			6.3107			6.0300	631.07	603.00			
1348+00.00		0.0000	0.0000		0.0000	0.0000				10.3976	5.1988		8.8800	4.4400					25.2429	12.6215		24.1200	12.0600					
	100.00			0.7256			0.0000	72.56	0.00			8.4780			4.9500	847.80	495.00			14.9425			12.4200	1494.25	1242.00			
1349+00.00		2.9024	1.4512		0.0000	0.0000				23.5145	11.7573		10.9200	5.4600					34.5271	17.2636		25.5600	12.7800					
	100.00			1.1053			0.0000	110.53	0.00			10.6071			6.0100	1060.71	601.00			17.6135			13.1254	1761.35	1312.54			
1350+00.00		1.5187	0.7594		0.0000	0.0000				18.9140	9.4570		13.1200	6.5600					35.9268	17.9634		26.9416	13.4708					
	100.00			0.8144			0.0000	81.44	0.00			10.3172			7.1500	1031.72	715.00			24.0808			11.5107	2408.08	1151.07			
1351+00.00		1.7387	0.8694		0.0000	0.0000				22.3549	11.1775		15.4800	7.7400					60.3963	30.1982		19.1010	9.5505					
	100.00			2.1805			0.0000	218.05	0.00			17.9489			3.8700	1794.89	387.00			43.0984			4.7753	4309.84	477.53			
1352+00.00		6.9831	3.4916		0.0000	0.0000				49.4408	24.7204		0.0000	0.0000					111.9973	55.9987		0.0000	0.0000					
	100.00			6.6484			0.0000	664.84	0.00			52.5457			0.0000	5254.57	0.00			68.7438			0.0000	6874.38	0.00			
1353+00.00		19.6103	9.8052		0.0000	0.0000				160.7418	80.3709		0.0000	0.0000					162.9780	81.4890		0.0000	0.0000					
	100.00			8.0230			0.0000	802.30	0.00			56.2814			0.0000	5628.14	0.00			55.7892			0.0000	5578.92	0.00			
1354+00.00		12.4818	6.2409		0.0000	0.0000				64.3836	32.1918		0.0000	0.0000					60.1789	30.0895		0.0000	0.0000					
	100.00			6.1989			0.0000	619.89	0.00			35.2578			0.0000	3525.78	0.00			34.8389			0.0000	3483.89	0.00			
1355+00.00		12.3137	6.1569		0.0000	0.0000				76.6474	38.3237		0.0000	0.0000					79.1767	39.5884		0.0000	0.0000					
	100.00			7.4824			0.0000	748.24	0.00			41.5265			0.0000	4152.65	0.00			40.0538			0.0000	4005.38	0.00			
1356+00.00		17.6158	8.8079		0.0000	0.0000				89.4586	44.7293		0.0000	0.0000					81.0385	40.5193		0.0000	0.0000					
	100.00			8.4084			0.0000	840.84	0.00			42.5555			0.0000	4255.55	0.00			38.5455			0.0000	3854.55	0.00			
1357+00.00		16.0177	8.0089		0.0000	0.0000				80.7633	40.3817		0.0000	0.0000					73.1433	36.5717		0.0000	0.0000					
	100.00			7.0125			0.0000	701.25	0.00			34.6408			0.0000	3464.08	0.00			30.4494			0.0000	3044.94	0.00			
1358+00.00		12.0324	6.0162		0.0000	0.0000				57.7999	28.9000		0.0000	0.0000					48.6541	24.3271		0.0000	0.0000					
	100.00			6.8747			0.0000	687.47	0.00			33.9419			0.0000	3394.19	0.00			29.7269			0.0000	2972.69	0.00			
1359+00.00		15.4663	7.7332		0.0000	0.0000				77.9675	38.9838		0.0000	0.0000					70.2534	35.1267		0.0000	0.0000					
	100.00			7.5865			0.0000	758.65	0.00			38.4182			0.0000	3841.82	0.00			34.9032			0.0000	3490.32	0.00			
1360+00.00		14.8796	7.4398		0.0000	0.0000				75.7054	37.8527		0.0000	0.0000					69.3595	34.6798		0.0000	0.0000					
	100.00			7.2798			0.0000	727.98	0.00			37.0799			0.0000	3707.99	0.00			34.1829			0.0000	3418.29	0.00			
1361+00.00		14.2395	7.1198		0.0000	0.0000				72.6142	36.3071		0.0000	0.0000					67.3719	33.6860		0.0000	0.0000					
	100.00			6.8364			0.0000	683.64	0.00			33.8052			0.0000	3380.52	0.00			31.1658			0.0000	3116.58	0.00			
1362+00.00		13.1060	6.5530		0.0000	0.0000				62.6065	31.3033		0.0000	0.0000					57.2914	28.6457		0.0000	0.0000					
	100.00			6.3970			0.0000	639.70	0.00			31.5960			0.0000	3159.60	0.00			29.0836			0.0000	2908.36	0.00			
1363+00.00		12.4820	6.2410		0.0000	0.0000				63.7775	31.8888		0.0000	0.0000					59.0431	29.5216		0.0000	0.0000					
	100.00			3.5930			0.0000	359.30	0.00			25.7382			0.0000	2573.82	0.00			29.5281			0.0000	2952.81	0.00			
1364+00.00		1.8898	0.9449		0.0000	0.0000				39.1754	19.5877		0.0000	0.0000					59.0693	29.5347		0.0000	0.0000					
	100.00			0.4725			0.0000	47.25	0.00			11.8960			0.0000	1189.60	0.00			27.0785			0.0000	2707.85	0.00			
1365+00.00		0.0000	0.0000		0.0000	0.0000				8.4086	4.2043		0.0000	0.0000					49.2446	24.6223		0.0000	0.0000					
	100.00			0.0000			0.0000	0.00	0.00			4.4758			0.0000	447.58	0.00			23.5289			0.0000	2352.89	0.00			
1366+00.00		0.0000	0.0000		0.0000	0.0000				9.4944	4.7472		0.0000	0.0000					44.8711	22.4356		0.0000	0.0000					
	100.00			0.0000			0.0000	0.00	0.00			3.5894			0.0000	358.94	0.00			19.0735			0.0000	1907.35	0.00			
1367+00.00		0.0000	0.0000		0.0000	0.0000				4.8631	2.4316		0.0000	0.0000					31.4227	15.7114		0.0000	0.0000					
	100.00			0.0000			0.0000	0.00	0.00			2.1383			0.0000	213.83	0.00			15.3109			0.0000	1531.09	0.00			
1368+00.00		0.0000	0.0000		0.0000	0.0000				3.6901	1.8451		0.0000	0.0000					29.8209	14.9105		0.0000	0.0000					
	100.00			0.0112			0.0000	1.12	0.00			5.2187			0.0000	521.87	0.00			16.4225			0.0000	1642.25	0.00			
1369+00.00		0.0449	0.0225		0.0000	0.0000				17.1848	8.5924		0.0000	0.0000					35.8690	17.9345		0.0000	0.0000					
	100.00			0.0112			0.0000	1.12	0.00			8.1786			0.0000	817.86	0.00			16.8981			0.0000	1689.81	0.00			



CR557 Widening

Floodplain Compensation Calculations - (FIA 9A)																																
Floodplain Elevation based on FEMA FIRM Panel No. 12105C0215G. This floodplain is located on the EAST side of CR557 between station 1347+00 and station 1371+00.																										100 yr. Floodplain Elev. = 133.90 ft						
From Ele. 131.80 to Ele. 132.00									From Ele. 132.00 to Ele. 133.00									From Ele. 133.00 to Ele. 133.90														
Station	Length (ft)	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )							
1370+00.00		0.0000	0.0000		0.0000	0.0000				15.5295	7.7648		0.0000	0.0000				31.7234	15.8617		0.0000	0.0000										
	100.00			0.0000			0.0000	0.00	0.00			3.8824			0.0000	388.24	0.00			12.3181			0.0000	1231.81	0.00							
1371+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000				17.5488	8.7744		0.0000	0.0000										
	100.00			0.0000			0.0000	0.00	0.00			0.0000			0.0000	0.00	0.00			4.3872			0.0000	438.72	0.00							
1372+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000										
TOTAL (ft <sup>3</sup> )								8766.14	0.00	TOTAL (ft <sup>3</sup> )								55271.67	2420.00	TOTAL (ft <sup>3</sup> )								69807.45	4786.13			
Elevation 131.80 to 132.00								TOTAL (ac-ft)	0.20	0.00	Elevation 132.00 to 133.00								TOTAL (ac-ft)	1.27	0.06	Elevation 133.00 to 133.90								TOTAL (ac-ft)	1.60	0.11

CR557 Widening

Floodplain Compensation Calculations - (FIA 9B)																											
Floodplain Elevation based FEMA FIRM Panel No. 12105C0215G. This floodplain is located on the EAST side of CR557 between station 1379+00 and station 1422+00.																							100 yr. Floodplain Elev. = 133.90 ft				
From Ele. 131.70 to Ele. 132.00									From Ele. 132.00 to Ele. 133.00									From Ele. 133.00 to Ele. 133.90									
Station	Length (ft)	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )		
1379+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000					
	100.00			0.0000			0.0000	0.00	0.00			0.0000						3.0868	0.00	308.68							
1380+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		12.3470	6.1735				0.2215	0.1108		32.4975	16.2488		8.1244	5.54	812.44	
	100.00			0.0000			0.0000	0.00	0.00			0.0000						7.0822	0.00	708.22				2.0979	17.1387	209.79	1713.87
1381+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		15.9816	7.9908				8.1701	4.0851		36.0574	18.0287					
	100.00			0.0000			0.0000	0.00	0.00			0.0000						8.2966	0.00	829.66				7.5970	17.2705	759.70	1727.05
1382+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		17.2048	8.6024				22.2179	11.1090		33.0245	16.5123					
	100.00			0.0000			0.0000	0.00	0.00			2.6540						4.3012	265.40	430.12				25.0226	8.2561	2502.26	825.61
1383+00.00		0.0000	0.0000		0.0000	0.0000				10.6158	5.3079		0.0000	0.0000				77.8723	38.9362		0.0000	0.0000					
	100.00			0.0460			0.0000	4.60	0.00			12.1261						3.6590	1212.61	365.90				48.7387	6.0653	4873.87	606.53
1384+00.00		0.1841	0.0921		0.0000	0.0000				37.8885	18.9443		14.6358	7.3179				117.0824	58.5412		24.2611	12.1306					
	100.00			0.1319			0.0000	13.19	0.00			24.7418						6.8258	2474.18	682.58				58.6232	11.8443	5862.32	1184.43
1385+00.00		0.3434	0.1717		0.0000	0.0000				61.0786	30.5393		12.6672	6.3336				117.4104	58.7052		23.1159	11.5580					
	100.00			4.2675			0.0000	426.75	0.00			34.9033						5.7916	3490.33	579.16				62.0208	10.9485	6202.08	1094.85
1386+00.00		16.7266	8.3633		0.0000	0.0000				78.5347	39.2674		10.4992	5.2496				130.6728	65.3364		20.6782	10.3391					
	100.00			8.4267			0.0000	842.67	0.00			39.3869						4.7477	3938.69	474.77				65.3381	10.0996	6533.81	1009.96
1387+00.00		16.9803	8.4902		0.0000	0.0000				79.0130	39.5065		8.4916	4.2458				130.6797	65.3399		19.7201	9.8601					
	100.00			8.2455			0.0000	824.55	0.00			43.1662						3.7837	4316.62	378.37				64.7006	9.5272	6470.06	952.72
1388+00.00		16.0016	8.0008		0.0000	0.0000				93.6517	46.8259		6.6432	3.3216				128.1225	64.0613		18.3886	9.1943					
	100.00			7.9280			0.0000	792.80	0.00			46.2633						2.8998	4626.33	289.98				58.8529	8.9862	5885.29	898.62
1389+00.00		15.7102	7.8551		0.0000	0.0000				91.4014	45.7007		4.9560	2.4780				107.2890	53.6445		17.5560	8.7780					
	100.00			8.5366			0.0000	853.66	0.00			40.0936						1.2634	4009.36	126.34				44.7921	8.0298	4479.21	802.98
1390+00.00		18.4362	9.2181		0.0000	0.0000				68.9730	34.4865		0.0974	0.0487				71.8792	35.9396		14.5633	7.2817					
	100.00			8.8337			0.0000	883.37	0.00			33.2329						0.0244	3323.29	2.44				34.9592	3.7595	3495.92	375.95
1391+00.00		16.8984	8.4492		0.0000	0.0000				63.9586	31.9793		0.0000	0.0000				67.9576	33.9788		0.4746	0.2373					
	100.00			8.6186			0.0000	861.86	0.00			32.1371						0.0000	3213.71	0.00				33.6477	0.1187	3364.77	11.87
1392+00.00		17.5759	8.7880		0.0000	0.0000				64.5897	32.2949		0.0000	0.0000				66.6333	33.3167		0.0000	0.0000					
	100.00			8.2300			0.0000	823.00	0.00			30.3400						0.0000	3034.00	0.00				31.3635	0.0000	3136.35	0.00
1393+00.00		15.3439	7.6720		0.0000	0.0000				56.7703	28.3852		0.0000	0.0000				58.8208	29.4104		0.0000	0.0000					
	100.00			7.5850			0.0000	758.50	0.00			27.9958						0.0000	2799.58	0.00				28.9790	0.0000	2897.90	0.00
1394+00.00		14.9961	7.4981		0.0000	0.0000				55.2130	27.6065		0.0000	0.0000				57.0951	28.5476		0.0000	0.0000					
	100.00			6.8327			0.0000	683.27	0.00			24.9997						0.0000	2499.97	0.00				25.5604	0.0000	2556.04	0.00
1395+00.00		12.3347	6.1674		0.0000	0.0000				44.7856	22.3928		0.0000	0.0000				45.1463	22.5732		0.0000	0.0000					
	100.00			6.2119			0.0000	621.19	0.00			22.5468						0.0000	2254.68	0.00				22.7161	0.0000	2271.61	0.00
1396+00.00		12.5127	6.2564		0.0000	0.0000				45.4014	22.7007		0.0000	0.0000				45.7182	22.8591		0.0000	0.0000					
	100.00			5.6934			0.0000	569.34	0.00			21.0430						0.0000	2104.30	0.00				21.6549	0.0000	2165.49	0.00
1397+00.00		10.2607	5.1304		0.0000	0.0000				38.7706	19.3853		0.0000	0.0000				40.9014	20.4507		0.0000	0.0000					
	100.00			5.1942			0.0000	519.42	0.00			19.6043						0.0000	1960.43	0.00				20.6563	0.0000	2065.63	0.00
1398+00.00		10.5159	5.2580		0.0000	0.0000				39.6466	19.8233		0.0000	0.0000				41.7239	20.8620		0.0000	0.0000					
	100.00			6.0355			0.0000	603.55	0.00			20.7758						0.0000	2077.58	0.00				21.9359	0.0000	2193.59	0.00
1399+00.00		13.6259	6.8130		0.0000	0.0000				49.8444	24.9222		0.0000	0.0000				51.5094	25.7547		0.0000	0.0000					
	100.00			6.2912			0.0000	629.12	0.00			23.3252						0.0000	2332.52	0.00				24.3823	0.0000	2438.23	0.00
1400+00.00		11.5389	5.7695		0.0000	0.0000				43.4565	21.7283		0.0000	0.0000				46.0198	23.0099		0.0000	0.0000					
	100.00			2.8847			0.0000	288.47	0.00			10.8641						0.0000	1086.41	0.00				11.5050	0.0000	1150.50	0.00
1401+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000					
	100.00			2.5276			0.0000	252.76	0.00			9.8090						0.0000	980.90	0.00				10.6525	0.0000	1065.25	0.00
1402+00.00		10.1105	5.0553		0.0000	0.0000				39.2358	19.6179		0.0000	0.0000				42.6098	21.3049		0.0000	0.0000					
	100.00			5.1539			0.0000	515.39	0.00			19.9853						0.0000	1998.53	0.00				21.7039	0.0000	2170.39	0.00
1403+00.00		10.5049	5.2525		0.0000	0.0000				40.7053	20.3527		0.0000	0.0000				44.2058	22.1029		0.0000	0.0000					
	100.00			4.8967			0.0000	489.67	0.00			19.4215						0.0000	1942.15	0.00				21.5881	0.0000	2158.81	0.00
1404+00.00		9.0818	4.5409		0.0000	0.0000				36.9806	18.4903		0.0000	0.0000				42.1464	21.0732		0.0000	0.0000					
	100.00			4.5063			0.0000	450.63	0.00			18.9216						0.0000	1892.16	0.00				22.0431	0.0000	2204.31	0.00
1405+00.00		8.9434	4.4717		0.0000	0.0000				38.7057	19.3529		0.0000	0.0000				46.0260	23.0130		0.0000	0.0000					

CR557 Widening

Floodplain Compensation Calculations - (FIA 9B)																																																																							
Floodplain Elevation based FEMA FIRM Panel No. 12105C0215G. This floodplain is located on the EAST side of CR557 between station 1379+00 and station 1422+00.																																																																							
		From Ele. 131.70 to Ele. 132.00								From Ele. 132.00 to Ele. 133.00								From Ele. 133.00 to Ele. 133.90																																																					
Station	Length (ft)	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )	MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )	Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )																																														
	100.00			3.7650			0.0000	376.50	0.00			17.2011			0.0000	1720.11	0.00			21.4691			0.0000		0.0000	2146.91	0.00																																												
1406+00.00		6.1166	3.0583		0.0000	0.0000				30.0987	15.0494		0.0000	0.0000				39.8502	19.9251		0.0000	0.0000			0.0000	2353.38	0.00																																												
	100.00			3.9164			0.0000	391.64	0.00			18.4282			0.0000	1842.82	0.00			23.5338			0.0000		0.0000	2353.38	0.00																																												
1407+00.00		9.5491	4.7746		0.0000	0.0000				43.6141	21.8071		0.0000	0.0000				54.2850	27.1425		0.0000	0.0000			0.0000	2734.16	0.00																																												
	100.00			5.0386			0.0000	503.86	0.00			22.4440			0.0000	2244.40	0.00			27.3416			0.0000		0.0000	2734.16	0.00																																												
1408+00.00		10.6051	5.3026		0.0000	0.0000				46.1618	23.0809		0.0000	0.0000				55.0813	27.5407		0.0000	0.0000			0.0000	3074.48	0.00																																												
	100.00			6.4803			0.0000	648.03	0.00			26.7290			0.0000	2672.90	0.00			30.7448			0.0000		0.0000	3074.48	0.00																																												
1409+00.00		15.3161	7.6581		0.0000	0.0000				60.7540	30.3770		0.0000	0.0000				67.8980	33.9490		0.0000	0.0000			0.0000	3829.82	0.00																																												
	100.00			8.3996			0.0000	839.96	0.00			33.8735			0.0000	3387.35	0.00			38.2982			0.0000		0.0000	3829.82	0.00																																												
1410+00.00		18.2823	9.1412		0.0000	0.0000				74.7399	37.3700		0.0000	0.0000				85.2948	42.6474		0.0000	0.0000			0.0000	4084.67	0.00																																												
	100.00			8.4470			0.0000	844.70	0.00			35.1286			0.0000	3512.86	0.00			40.8467			0.0000		0.0000	4084.67	0.00																																												
1411+00.00		15.5057	7.7529		0.0000	0.0000				65.7746	32.8873		0.0000	0.0000				78.0920	39.0460		0.0000	0.0000			0.0000	3856.23	21.23																																												
	100.00			7.6926			0.0000	769.26	0.00			32.6878			0.0000	3268.78	0.00			38.5623			0.0000		0.2123	3856.23	21.23																																												
1412+00.00		15.2646	7.6323		0.0000	0.0000				64.9767	32.4884		0.0000	0.0000				76.1570	38.0785		0.8492	0.4246			0.0000	3861.57	70.68																																												
	100.00			7.7780			0.0000	777.80	0.00			33.0786			0.0000	3307.86	0.00			38.6157			0.0000		0.7068	3861.57	70.68																																												
1413+00.00		15.8473	7.9237		0.0000	0.0000				67.3375	33.6688		0.0000	0.0000				78.3058	39.1529		1.9780	0.9890			0.0000	3891.25	129.18																																												
	100.00			7.8236			0.0000	782.36	0.00			33.4155			0.0000	3341.55	0.00			39.1525			0.0000		1.2918	3891.25	129.18																																												
1414+00.00		15.4469	7.7235		0.0000	0.0000				66.3245	33.1623		0.0000	0.0000				77.3440	38.6720		3.1893	1.5947			0.0000	3956.03	190.91																																												
	100.00			8.4643			0.0000	846.43	0.00			35.1084			0.0000	3510.84	0.00			39.5603			0.0000		1.9091	3956.03	190.91																																												
1415+00.00		18.4101	9.2051		0.0000	0.0000				74.1090	37.0545		0.0000	0.0000				80.8970	40.4485		4.4470	2.2235			0.0000	4000.47	272.43																																												
	100.00			9.3105			0.0000	931.05	0.00			37.0762			0.0000	3707.62	0.00			40.0047			0.0000		2.7243	4000.47	272.43																																												
1416+00.00		18.8317	9.4159		0.0000	0.0000				74.1956	37.0978		0.0000	0.0000				79.1219	39.5610		6.4503	3.2252			0.0000	3946.97	361.91																																												
	100.00			9.7500			0.0000	975.00	0.00			37.7474			0.0000	3774.74	0.00			39.4697			0.0000		3.6191	3946.97	361.91																																												
1417+00.00		20.1681	10.0841		0.0000	0.0000				76.7939	38.3970		0.0000	0.0000				78.7569	39.3785		8.0262	4.0131			0.0000	3899.77	435.20																																												
	100.00			10.1543			0.0000	1015.43	0.00			38.4717			0.0000	3847.17	0.00			38.9977			0.0000		4.3520	3899.77	435.20																																												
1418+00.00		20.4491	10.2246		0.0000	0.0000				77.0928	38.5464		0.0000	0.0000				77.2338	38.6169		9.3818	4.6909			0.0000	3749.05	544.96																																												
	100.00			9.4667			0.0000	946.67	0.00			36.5271			0.0000	3652.71	0.00			37.4905			0.0000		5.4496	3749.05	544.96																																												
1419+00.00		17.4176	8.7088		0.0000	0.0000				69.0157	34.5079		0.0000	0.0000				72.7280	36.3640		12.4164	6.2082			0.0000	3771.90	630.44																																												
	100.00			9.5785			0.0000	957.85	0.00			37.0592			0.0000	3705.92	0.00			37.7190			0.0000		6.3044	3771.90	630.44																																												
1420+00.00		20.8964	10.4482		0.0000	0.0000				79.2211	39.6106		0.0000	0.0000				78.1481	39.0741		12.8011	6.4006			0.0000	3801.74	704.75																																												
	100.00			9.6933			0.0000	969.33	0.00			37.4153			0.2129	3741.53	21.29			38.0174			0.0000		7.0475	3801.74	704.75																																												
1421+00.00		17.8766	8.9383		0.0000	0.0000				70.4399	35.2200		0.8515	0.4258				73.9215	36.9608		15.3887	7.6944			0.0000	3847.2	1848.04																																												
	100.00			4.4692			0.0000	446.92	0.00			17.6100			0.2129	1761.00	21.29			18.4804			0.0000		3.8472	1848.04	384.72																																												
1422+00.00		0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	137925.11	15763.26																																												
<b>TOTAL (ft<sup>3</sup>)</b>								<b>25730.47</b>	<b>0.00</b>	<b>TOTAL (ft<sup>3</sup>)</b>								<b>110833.83</b>	<b>5218.77</b>	<b>TOTAL (ft<sup>3</sup>)</b>								<b>137925.11</b>	<b>15763.26</b>																																										
<b>TOTAL (ac-ft)</b>								<b>0.59</b>	<b>0.00</b>	<b>TOTAL (ac-ft)</b>								<b>2.54</b>	<b>0.12</b>	<b>TOTAL (ac-ft)</b>								<b>3.17</b>	<b>0.36</b>																																										
<b>Elevation 131.70 to 132.00</b>																								<b>Elevation 132.00 to 133.00</b>																								<b>Elevation 133.00 to 133.90</b>																							

DEWBERRY  
800 N. Magnolia Ave., Suite 1000  
Orlando, FL 32803

Made by: NIR  
Ck. by: SVC

Date: 1/16/2023

CR557 Widening

Floodplain Compensation Calculations - (FIA 9C)										
Floodplain Elevation based on FEMA FIRM Panel No. 12105C0215G. This floodplain is located on the EAST side of CR557 between station 1429+00 and station 1446+00.								100 yr. Floodplain Elev. = 131.90 ft		
Station	Length (ft)	From Ele. 131.70 to Ele. 131.9							Impact Volume (ft <sup>3</sup> )	Compensated Volume (ft <sup>3</sup> )
		MS Area Filled (ft <sup>2</sup> )	Area Filled (ft <sup>2</sup> )	Avg. Area Filled (ft <sup>2</sup> )	MS Area Excavated (ft <sup>2</sup> )	Area Excavated (ft <sup>2</sup> )	Avg. Area Excavated (ft <sup>2</sup> )			
1429+00.00		0.0000	0.0000		0.0000	0.0000				
	100.00			2.2094			0.0000	220.94	0.000	
1430+00.00		8.8376	4.4188		0.0000	0.0000				
	100.00			5.0751			0.0000	507.51	0.000	
1431+00.00		11.4629	5.7315		0.0000	0.0000				
	100.00			5.2125			0.0000	521.25	0.000	
1432+00.00		9.3871	4.6936		0.0000	0.0000				
	100.00			5.2114			0.0000	521.14	0.000	
1433+00.00		11.4586	5.7293		0.0000	0.0000				
	100.00			6.0638			0.0000	606.38	0.000	
1434+00.00		12.7966	6.3983		0.0000	0.0000				
	100.00			6.4851			0.0000	648.51	0.000	
1435+00.00		13.1438	6.5719		0.0000	0.0000				
	100.00			6.4789			0.0000	647.89	0.000	
1436+00.00		12.7716	6.3858		0.0000	0.0000				
	100.00			6.2339			0.0000	623.39	0.000	
1437+00.00		12.1640	6.0820		0.0000	0.0000				
	100.00			4.9448			0.0000	494.48	0.000	
1438+00.00		7.6152	3.8076		0.0000	0.0000				
	100.00			4.6614			0.0000	466.14	0.000	
1439+00.00		11.0303	5.5152		0.0000	0.0000				
	100.00			5.3887			0.0000	538.87	0.000	
1440+00.00		10.5246	5.2623		0.0000	0.0000				
	100.00			3.9010			0.0000	390.10	0.000	
1441+00.00		5.0795	2.5398		0.0000	0.0000				
	100.00			3.3315			0.0000	333.15	0.000	
1442+00.00		8.2465	4.1233		0.0000	0.0000				
	100.00			2.8584			0.0000	285.84	0.000	
1443+00.00		3.1869	1.5935		0.0000	0.0000				
	100.00			0.7967			0.0000	79.67	0.000	
1444+00.00		0.0000	0.0000		0.0000	0.0000				
	100.00			0.0000			0.0000	0.00	0.000	
1445+00.00		0.0000	0.0000		0.0000	0.0000				
	100.00			0.0000			0.0000	0.00	0.000	
1446+00.00		0.0000	0.0000		0.0000	0.0000				
<b>TOTAL (ft<sup>3</sup>)</b>								<b>6885.26</b>	<b>0.00</b>	
<b>TOTAL (ac-ft)</b>								<b>0.16</b>	<b>0.00</b>	

**DEWBERRY**  
 800 N. Magnolia Ave., Suite 1000  
 Orlando, FL 32803

Made by: NIR  
 Checked by: SVC

DATE: 1/10/2023  
 Job Number: 18-73

PROJECT : **CR 557 Alignment Study**  
 POND : **FPC 4**

**FPC 4 Stage / Storage Calculations**

Floodplain Compensation Area Calculations - Cut Below 100-yr Elevator

ELEVATION	DESCRIPTION	AREA	AVG AREA	DELTA D	DELTA STORAGE	SUM STORAGE	REMARKS
136.00	Top of FPC Site	1.38 ac				7.43 ac-ft	
			1.55 ac	2.00	3.10 ac-ft		
134.00		1.72 ac				4.33 ac-ft	
			1.73 ac	0.10	0.17 ac-ft		
<b>133.90</b>	100yr Flood Elevation FEMA Zone AE	1.75 ac				4.16 ac-ft	Total FPC Volume Provided
			1.85 ac	0.90	1.67 ac-ft		
<b>133.00</b>		1.96 ac				2.49 ac-ft	
			2.06 ac	1.00	2.06 ac-ft		
<b>132.00</b>		2.15 ac				0.43 ac-ft	
			2.17 ac	0.20	0.43 ac-ft		
<b>131.80</b>	SHW Elevation	2.18 ac				0.00 ac-ft	Start of FPC Volume
			0.00 ac	0.30	0.00 ac-ft		
131.50	Bottom of FPC Site	2.23 ac				0.00 ac-ft	
			0.00 ac	0.00	0.00 ac-ft		

This FPC provides compensation for FIA - 9A, 9B and 9C adjacent to Pond 5. The 100-year flood elevation was determined from FEMA FIRM panel No. 12105C0215G dated 12/22/2016

**CR557 Widening**  
**Summary of Floodplain Impact and Compensation Cup-for-Cup Calculations**

Summary Floodplain Impact Areas							
FIA	Station - Station	SHW (ft)	100-yr Flood Elevation (ft)	Elevation (ft)	Impact Volume (ac-ft) A	Compensation Volume within R/W (ac-ft) B	Remaining Required Compensation Volume from FPC Sites (ac-ft) (A - B)
FIA-9A	1347+00.00 - 1371+00.00	131.80	133.90	133.0 to Flood El.	1.60	0.11	1.49
				132.0 to 133.0	1.27	0.06	1.21
				SHW to El. 132.0	0.20	0.00	0.20
FIA-9B	1382+00.00 - 1422+00.00	131.7	133.90	133.0 to Flood El.	3.17	0.36	2.80
				132.0 to 133.0	2.54	0.12	2.42
				SHW to El. 132.0	0.59	0.20	0.39
FIA-9C	1429+00.00 - 1446+00.00	131.7	131.90	SHW to Flood El.	0.16	0.00	0.16

Total Required FPC Volume (per foot increment)	
Elevation (ft)	Volume (af-ct) (FIA-9A) + (FIA-9B) + (FIA-9C) C
133.0 to 133.9	4.30
132.0 to 133.0	3.64
131.7 to 132.0	0.75

Summary Floodplain Compensation Areas			
Name	Compensation Volume Provided (ac-ft)		Volume Required in FPC Site Expansion (ac-ft) (C - D)
	Elevation (ft)	Volume (af-ct) D	
FPC 4	133.0 to 133.9	1.67	2.63
	132.0 to 133.0	2.06	1.58
	131.7 to 132.0	0.43	0.32

Table 5-5: Base Flood Maximum Stage (100-year, 1-day) for Peace Creek Model

Node	Stage (ft)			Node	Stage (ft)		
	Existing (A)	Proposed (B)	B-A		Existing (A)	Proposed (B)	B-A
GWSinkB	50.00	50.00	0.00	NB0040	131.11	131.13	0.02
NB0001	139.33	139.33	0.00	NB0042	131.77	131.77	0.00
NB0002	140.57	140.57	0.00	NB0043	143.68	143.68	0.00
NB0003	142.27	142.27	0.00	NB0050	130.24	130.24	0.00
NB0004	139.11	139.11	0.00	NB0102	140.43	140.43	0.00
NB0006	139.11	139.11	0.00	NB2010	132.03	132.03	0.00
NB0007	139.12	139.12	0.00	NB2020	131.43	131.42	-0.01
NB0008	138.56	138.56	0.00	NB2022	132.76	132.76	0.00
NB0009	139.12	139.12	0.00	NB2030	132.56	132.56	0.00
NB0010	131.16	131.17	0.01	NB2040	132.58	132.58	0.00
NB0011	137.59	137.59	0.00	NB2050	131.75	131.42	-0.33
NB0012	148.11	148.11	0.00	NB2055	138.57	136.00	-2.57
NB0020	138.19	138.19	0.00	NB2070	131.43	131.42	-0.01
NB0023	133.45	133.43	-0.02	NB2112	132.25	132.25	0.00
NB0027	141.15	141.15	0.00	NB2120	132.25	132.25	0.00
NB0028	140.98	140.98	0.00	NB2124	132.49	132.49	0.00
NB0029	158.10	158.10	0.00	NB2130	132.24	132.24	0.00
NB0030	131.11	131.13	0.02	POND1A	-	152.10	-
NB0031	141.65	141.65	0.00	POND1B	-	152.34	-
NB0033	147.41	147.41	0.00	POND2	-	134.20	-
NB0038	142.38	142.38	0.00	POND3	-	134.07	-
NB0039	152.57	152.57	0.00	POND4	-	134.47	-

Table 5-6: Base Flood Maximum Stage (100-year, 1-day) for Polk City Model

Node	Stage (ft)			Node	Stage (ft)		
	Existing (A)	Proposed (B)	B-A		Existing (A)	Proposed (B)	B-A
BNDRY20	131.00	131.00	0.00	NHH811871	131.64	131.66	0.02
BNDRY22	133.02	133.02	0.00	NHH81188	131.06	131.06	0.00
BNDRY23	131.00	131.00	0.00	NHH8119	132.90	132.90	0.00
BNDRY25	131.50	131.50	0.00	NHH81192	132.67	132.67	0.00
BNDRY26	131.00	131.00	0.00	NHH8120	135.57	135.57	0.00
NH8000	133.24	133.24	0.00	NHH8125	134.18	134.18	0.00
NH8105	133.14	133.15	0.00	NHH8130	135.26	135.25	0.00
NHH8102	133.14	133.15	0.00	NHH8135	136.52	136.52	0.00
NHH81052	133.43	133.43	0.00	NHH8140	134.61	134.61	0.00
NHH81053	135.67	135.67	0.00	NHH8145	133.64	133.64	0.00
NHH81054	135.97	135.97	0.00	NHH8150	134.27	134.27	0.00
NHH8116	132.59	132.64	0.04	NHH8155	131.99	132.02	0.03
NHH81161	136.60	136.60	0.00	NHH8160	131.07	131.07	0.00
NHH8117	132.59	132.64	0.04	NHH8165	133.65	133.65	0.00
NHH81171	133.38	133.25	-0.13	NHH8170	134.54	134.54	0.00
NHH81172	134.04	133.15	-0.89	NHH8175	134.54	134.54	0.00
NHH81173	134.21	133.40	-0.81	NHH81751	136.30	136.30	0.00
NHH8118	131.99	132.02	0.03	NHH8180	136.76	136.76	0.00
NHH81180	131.99	132.02	0.03	NHH8181	131.94	131.94	0.00
NHH81181	133.26	132.38	-0.88	NHH8190	129.00	129.00	0.00
NHH811811	132.78	132.77	-0.01	NO14000	133.25	133.25	0.00
NHH81182	131.99	132.02	0.03	NO14131	133.92	133.92	0.00
NHH811821	132.30	132.30	0.00	NO14136	134.72	134.72	0.00
NHH81183	131.99	132.02	0.03	NO14211	133.52	133.52	0.00
NHH811831	132.43	132.43	0.00	NO14212	134.98	134.47	-0.50
NHH81184	133.57	133.57	0.00	NO14220	133.23	133.23	0.00
NHH811841	133.43	133.43	0.00	NO14230	135.37	135.35	-0.02
NHH81185	135.09	135.09	0.00	NO14240	133.54	133.54	0.00
NHH811851	134.01	134.00	0.00	NO14250	135.53	135.53	0.00
NHH81186	133.76	133.76	0.00	POND5	-	133.75	-
NHH811861	131.79	131.79	0.00	POND6	-	133.31	-
NHH81187	133.80	133.80	0.00	POND7	-	133.40	-
				POND8	-	134.31	-



## APPENDIX F: Nutrient Loading Calculations

# Complete Report Ver 4.3.2

Project: CR 557 Widening  
Date: 4/22/2022 4:32:12 PM

## Site and Catchment Information

Analysis: Net Improvement

Catchment Name	Basin 1	Basin 2
Rainfall Zone	Florida Zone 2	Florida Zone 2
Annual Mean Rainfall	50.00	50.00

## Pre-Condition Land-use Information

Land-use	User Defined Values	Highway: TN=1.520 TP=0.200
Area (acres)	32.34	2.93
Rational Coefficient (0-1)	0.14	0.35
Non DCIA Curve Number	44.52	39.00
DCIA Percent (0-100)	15.80	42.32
Nitrogen EMC (mg/l)	1.666	1.520
Phosphorus EMC (mg/l)	0.214	0.200
Runoff Volume (ac-ft/yr)	18.341	4.226
Groundwater N (kg/yr)	0.000	0.000
Groundwater P (kg/yr)	0.000	0.000
Nitrogen Loading (kg/yr)	37.676	7.920
Phosphorus Loading (kg/yr)	4.840	1.042

## Post-Condition Land-use Information

Land-use	User Defined Values	User Defined Values
Area (acres)	19.29	18.57
Rational Coefficient (0-1)	0.25	0.33
Non DCIA Curve Number	48.42	43.42
DCIA Percent (0-100)	29.14	40.59
Wet Pond Area (ac)	0.00	1.36
Nitrogen EMC (mg/l)	1.733	1.506
Phosphorus EMC (mg/l)	0.200	0.204
Runoff Volume (ac-ft/yr)	19.761	23.957
Groundwater N (kg/yr)	0.000	0.000
Groundwater P (kg/yr)	0.000	0.000
Nitrogen Loading (kg/yr)	42.224	44.486
Phosphorus Loading (kg/yr)	4.873	6.026

# Catchment Number: 1 Name: Basin 1

**Project:** CR 557 Widening

**Date:** 4/22/2022

## Retention Design

Retention Depth (in) 0.491

Retention Volume (ac-ft) 0.789

## Watershed Characteristics

Catchment Area (acres) 19.29

Contributing Area (acres) 19.290

Non-DCIA Curve Number 48.42

DCIA Percent 29.14

Rainfall Zone Florida Zone 2

Rainfall (in) 50.00

## Surface Water Discharge

Required TN Treatment Efficiency (%) 11

Provided TN Treatment Efficiency (%) 81

Required TP Treatment Efficiency (%) 1

Provided TP Treatment Efficiency (%) 81

## Media Mix Information

Type of Media Mix Not Specified

Media N Reduction (%)

Media P Reduction (%)

## Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr) 0.000

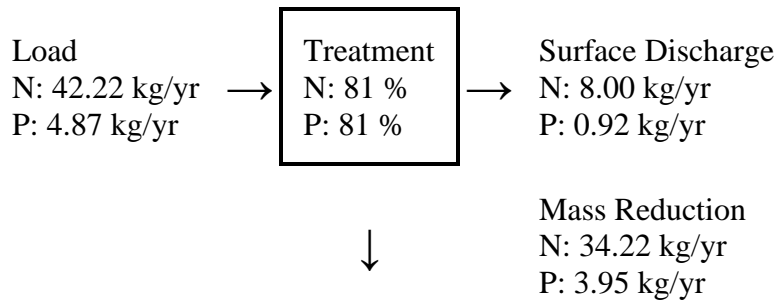
TN Mass Load (kg/yr) 34.220

TN Concentration (mg/L) 0.000

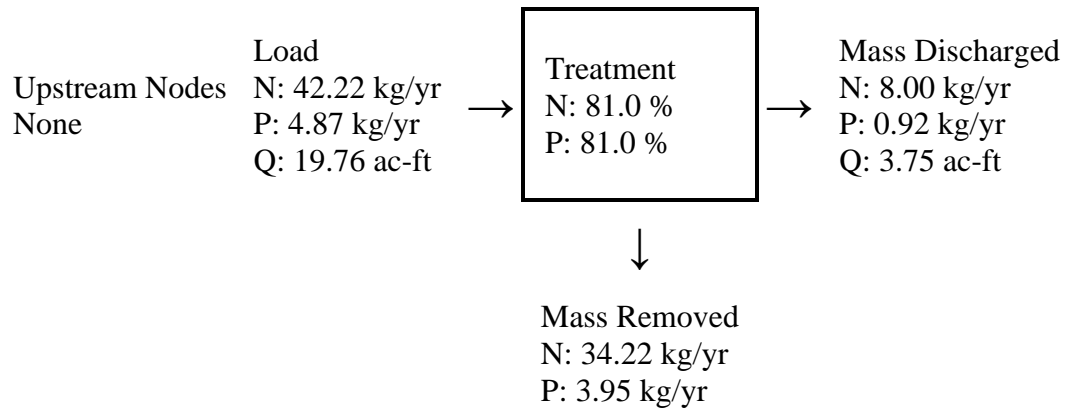
TP Mass Load (kg/yr) 3.949

TP Concentration (mg/L) 0.000

## Load Diagram for Retention (stand-alone)



## Load Diagram for Retention (As Used In Routing)



# Catchment Number: 2 Name: Basin 2

**Project:** CR 557 Widening

**Date:** 4/22/2022

## Wet Detention Design

Permanent Pool Volume (ac-ft)	6.090
Permanent Pool Volume (ac-ft) for 31 days residence	2.035
Annual Residence Time (days)	93
Littoral Zone Efficiency Credit	
Wetland Efficiency Credit	

## Watershed Characteristics

Catchment Area (acres)	18.57
Contributing Area (acres)	17.210
Non-DCIA Curve Number	43.42
DCIA Percent	40.59
Rainfall Zone	Florida Zone 2
Rainfall (in)	50.00

## Surface Water Discharge

Required TN Treatment Efficiency (%)	82
Provided TN Treatment Efficiency (%)	42
Required TP Treatment Efficiency (%)	83
Provided TP Treatment Efficiency (%)	73

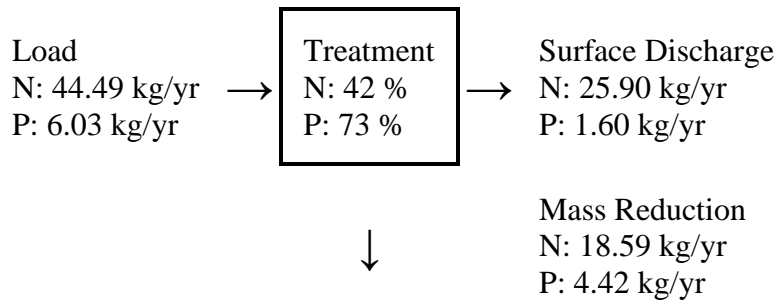
## Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

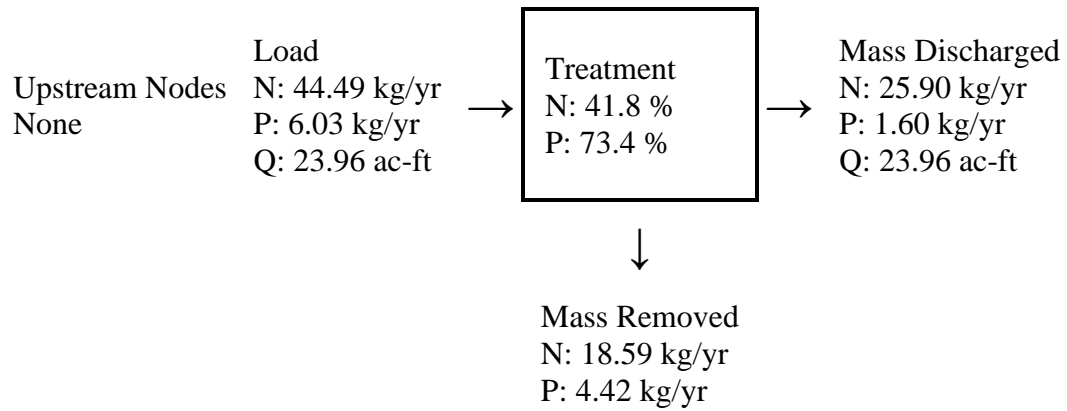
## Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

## Load Diagram for Wet Detention (stand-alone)



## Load Diagram for Wet Detention (As Used In Routing)



# Summary Treatment Report Version: 4.3.2

Project: CR 557 Widening

**Analysis Type:** Net

Improvement

Date:4/22/2022

**BMP Types:**

Catchment 1 - (Basin 1)

**Routing Summary**

Retention

Catchment 1 Routed to Outlet

Catchment 2 - (Basin 2)

Catchment 2 Routed to Outlet

Wet Detention

Based on % removal values to  
the nearest percent

Total nitrogen target removal met? **Yes**

Total phosphorus target removal met? **Yes**

## Summary Report

### Nitrogen

#### Surface Water Discharge

Total N pre load	45.6 kg/yr	
Total N post load	86.71 kg/yr	
Target N load reduction	47 %	
Target N discharge load	45.6 kg/yr	
Percent N load reduction	61 %	
Provided N discharge load	33.9 kg/yr	74.76 lb/yr
Provided N load removed	52.81 kg/yr	116.44 lb/yr

### Phosphorus

#### Surface Water Discharge

Total P pre load	5.882 kg/yr	
Total P post load	10.899 kg/yr	
Target P load reduction	46 %	
Target P discharge load	5.882 kg/yr	
Percent P load reduction	77 %	
Provided P discharge load	2.529 kg/yr	5.58 lb/yr
Provided P load removed	8.37 kg/yr	18.457 lb/yr

<b>PROJECT TITLE:</b>	CR 557 Widening				
<b>BASIN NAME:</b>	Basin 2	<b>MADE BY:</b>	NIR	<b>DATE:</b>	5/4/2022
<b>POND NAME:</b>	2	<b>CHECKED BY:</b>	SVC	<b>DATE:</b>	5/4/2022

**BMPTRAINS Input Data**

Meteorological Zone :           **2**  
Annual Rainfall (P) =           **50** in

**Pre-Development Basin Characteristics**

Land Use	Area (ac)	EMC TN	EMC TP	CN	Product
Impervious areas; Streets & roads	1.24	1.52	0.20	98	121.52
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	1.69	1.52	0.20	39	65.91
<b>Total</b>	<b>2.93</b>				<b>187.43</b>

% DCIA =                       **42.32** %  
Non DCIA CN =               **39.00**  
Composite C =               **0.35**

**Post-Development Basin Characteristics**

Land Use	Area (ac)	EMC TN	EMC TP	CN	Product
Impervious areas; Streets & roads	7.54	1.520	0.200	98	738.92
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	1.45	1.520	0.200	39	56.62
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond)	1.54	1.520	0.200	39	59.90
Pond Surface Water	1.36			100	135.60
Residential Low Density <2 Dwelling Units	2.22	1.645	0.270	50	111.00
Nurseries and Vineyards	2.17	0.280	0.487	57	123.69
Other Open Lands <Rural>	2.30	1.150	0.055	30	69.00
<b>Total</b>	<b>18.57</b>	<b>1.23</b>			<b>1294.74</b>

% DCIA =                       **40.59** %  
Non DCIA CN =               **43.42**  
Composite C =               **0.33**



<b>PROJECT TITLE:</b> CR 557 Widening					
<b>BASIN NAME:</b> BASINS 1A & 1B	<b>MADE BY:</b> AAJ	<b>DATE:</b> 5/4/2022			
<b>POND NAME:</b> 1A	<b>CHECKED BY:</b> SVC	<b>DATE:</b> 5/4/2022			

**BMPTRAINS Input Data**

Meteorological Zone : **2**  
Annual Rainfall (P) = **50 in**

**Pre-Development Basin Characteristics**

Land Use	Area (ac)	EMC TN	EMC TP	CN	Product
Impervious areas; Streets & roads	5.11	1.520	0.200	98	500.78
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	6.93	1.520	0.200	39	270.27
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	0.20	1.520	0.200	80	16.00
Woods and Wetlands Combination	0.13	1.213	0.021	88	11.44
Woods and Wetlands Combination	0.34	1.213	0.021	97	32.98
Residential, Medium Density (Pond 1A Footprint)	0.92	2.070	0.327	57	52.44
Residential, Medium Density (Pond 1B Footprint)	1.36	2.070	0.327	57	77.67
Upland Hardwood Forest (Pond 2 Footprint)	2.81	1.042	0.346	36	101.16
Wet Prairies (Pond 2 Footprint)	0.03	1.095	0.015	98	2.94
Woods and Wetlands Combination (Pond 2 Footprint)	0.05	2.070	0.021	39	1.95
Residential Low Density < 2 Dwelling Units	2.10	1.645	0.270	50	105.00
Residential, Medium Density	0.03	2.070	0.327	57	1.71
Institutional	0.01	1.050	0.120	69	0.69
Tree Crops	7.85	2.240	0.183	44	345.40
Nurseries and Vineyards	2.17	2.800	0.487	57	123.69
Other Open Lands <Rural>	2.30	1.150	0.055	30	69.00
<b>Total</b>	<b>32.34</b>				<b>1713.12</b>

% DCIA = **15.80 %**  
Non DCIA CN = **44.52**  
Composite C = **0.14**

**Post-Development Basin 1A & 1B Characteristics**

Land Use	Area (ac)	EMC TN	EMC TP	CN	Product
Impervious areas; Streets & roads	5.62	1.520	0.200	98	550.77
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Roadway)	1.48	1.520	0.200	39	57.65
Open Space (lawns, parks, golf courses, cemeteries, etc.) Good condition (grass cover > 75%) (Pond 1A)	1.19	1.520	0.200	39	46.41
Pond Surface Water @ DHW	1.09	0.000	0.000	100	109.00
Residential, Medium Density	0.02	2.070	0.327	57	1.14
Residential Low Density < 2 Dwelling Units	2.03	1.645	0.270	50	101.50
Institutional	0.01	1.050	0.120	69	0.69
Tree Crops	7.85	2.240	0.183	44	345.40
<b>Total</b>	<b>19.29</b>				<b>1212.56</b>

% DCIA = **29.14 %**  
Non DCIA CN = **48.42**  
Composite C = **0.25**

## APPENDIX G: Cross Drain Analysis

Cross Drain Analysis  
 CR 557 Widening - Existing Peace Creek Model (Basins 1-4)  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2020A_CD03	B	PC100y1d	23.17	2.12	0.106	200.00	131.43	200.00	131.43
RB2020A_CD03	B	PC500y5d	63.58	13.54	0.392	97.55	132.62	97.54	132.61
RB2020A_CD03	B	PC50y1d	23.75	0.74	0.066	200.00	131.01	200.00	131.01
RB2020B_CD03	B	PC100y1d	23.33	1.85	0.087	200.00	131.43	200.00	131.43
RB2020B_CD03	B	PC500y5d	64.35	13.04	0.339	97.55	132.62	97.54	132.61
RB2020B_CD03	B	PC50y1d	23.78	0.63	0.053	200.00	131.01	200.00	131.01
RB2050B_CD02	B	PC100y1d	13.20	10.44	0.026	13.20	131.75	200.00	131.43
RB2050B_CD02	B	PC500y5d	61.38	17.56	0.158	97.55	132.61	97.54	132.61
RB2050B_CD02	B	PC50y1d	13.21	8.87	0.020	13.21	131.60	200.00	131.01
RB2050C_CD02	B	PC100y1d	13.20	10.62	0.027	13.20	131.75	200.00	131.43
RB2050C_CD02	B	PC500y5d	61.42	18.02	0.177	97.55	132.61	97.54	132.61
RB2050C_CD02	B	PC50y1d	13.21	9.01	0.020	13.21	131.60	200.00	131.01
RB2055A_CD01	B	PC100y1d	12.19	2.31	0.078	12.19	138.57	167.03	132.25
RB2055A_CD01	B	PC500y5d	60.09	2.65	0.007	60.09	138.59	158.01	132.72
RB2055A_CD01	B	PC50y1d	12.25	1.81	0.083	12.25	138.55	14.16	131.50

Cross Drain Analysis  
 CR 557 Widening - Existing Polk City Model (Basins 5-8)  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81161D_CD08	BASE	100YR24HR	56.80	16.88	8.705	56.80	132.59	0.00	131.24
RHH81161D_CD08	BASE	500YR5DAY	120.18	21.86	8.705	120.18	133.51	0.00	131.24
RHH81161D_CD08	BASE	50YR24HR	26.17	16.10	8.705	26.17	132.47	0.00	131.24
RHH81161E_CD08	BASE	100YR24HR	56.80	15.51	9.513	56.80	132.59	0.00	131.00
RHH81161E_CD08	BASE	500YR5DAY	120.18	20.26	9.513	120.18	133.51	110.70	131.12
RHH81161E_CD08	BASE	50YR24HR	26.17	14.90	9.513	26.17	132.47	0.00	131.00
RHH81161F_CD08	BASE	100YR24HR	56.80	15.88	9.739	56.80	132.59	0.00	131.00
RHH81161F_CD08	BASE	500YR5DAY	120.18	20.48	9.739	120.18	133.51	110.80	131.08
RHH81161F_CD08	BASE	50YR24HR	26.17	15.25	9.739	26.17	132.47	0.00	131.00
RHH81171B_CD10	BASE	100YR24HR	13.10	16.41	0.142	13.12	133.38	22.17	133.25
RHH81171B_CD10	BASE	500YR5DAY	61.43	17.42	0.122	65.56	133.97	66.67	133.95
RHH81171B_CD10	BASE	50YR24HR	13.09	14.37	0.120	13.10	133.27	22.33	133.15
RHH81172C_CD05	BASE	100YR24HR	12.54	15.19	0.045	12.55	134.04	0.91	133.41
RHH81172C_CD05	BASE	500YR5DAY	60.32	12.58	0.019	60.33	133.75	1.26	133.41
RHH81172C_CD05	BASE	50YR24HR	12.51	13.95	0.038	12.52	133.90	0.95	133.41
RHH8117B_CD06	BASE	100YR24HR	56.84	30.19	13.537	56.84	132.59	0.00	131.00
RHH8117B_CD06	BASE	500YR5DAY	120.18	37.90	13.537	120.18	133.51	0.00	131.00
RHH8117B_CD06	BASE	50YR24HR	26.14	29.01	13.537	26.14	132.47	0.00	131.00
RHH8117C_CD07	BASE	100YR24HR	56.84	9.53	4.273	56.84	132.59	0.00	131.00
RHH8117C_CD07	BASE	500YR5DAY	120.18	11.96	4.273	120.18	133.51	0.00	131.00
RHH8117C_CD07	BASE	50YR24HR	26.14	9.16	4.273	26.14	132.47	0.00	131.00
RHH8117D_CD07	BASE	100YR24HR	56.84	9.53	4.273	56.84	132.59	0.00	131.00
RHH8117D_CD07	BASE	500YR5DAY	120.18	11.96	4.273	120.18	133.51	0.00	131.00
RHH8117D_CD07	BASE	50YR24HR	26.14	9.16	4.273	26.14	132.47	0.00	131.00
RHH8117E_CD06	BASE	100YR24HR	56.84	30.26	13.569	56.84	132.59	0.00	131.00
RHH8117E_CD06	BASE	500YR5DAY	120.18	37.99	13.569	120.18	133.51	0.00	131.00
RHH8117E_CD06	BASE	50YR24HR	26.14	29.08	13.569	26.14	132.47	0.00	131.00
RHH8117F_CD06	BASE	100YR24HR	56.84	30.12	13.503	56.84	132.59	0.00	131.00
RHH8117F_CD06	BASE	500YR5DAY	120.18	37.80	13.503	120.18	133.51	0.00	131.00
RHH8117F_CD06	BASE	50YR24HR	26.14	28.94	13.503	26.14	132.47	0.00	131.00
RHH8117G_CD06	BASE	100YR24HR	56.84	30.12	13.503	56.84	132.59	0.00	131.00
RHH8117G_CD06	BASE	500YR5DAY	120.18	37.80	13.503	120.18	133.51	0.00	131.00
RHH8117G_CD06	BASE	50YR24HR	26.14	28.94	13.503	26.14	132.47	0.00	131.00
RHH8181B_CD09	BASE	100YR24HR	12.85	5.81	2.367	15.36	131.94	17.41	131.99
RHH8181B_CD09	BASE	500YR5DAY	58.35	5.13	2.367	72.11	132.07	120.19	133.51
RHH8181B_CD09	BASE	50YR24HR	13.08	6.00	2.367	15.08	131.89	17.29	131.90
RHH8181C_CD09	BASE	100YR24HR	12.84	5.98	2.495	15.36	131.94	17.41	131.99
RHH8181C_CD09	BASE	500YR5DAY	58.29	5.33	2.495	79.05	132.05	120.19	133.51

Cross Drain Analysis  
 CR 557 Widening - Existing Polk City Model (Basins 5-8)  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8181C_CD09	BASE	50YR24HR	13.07	6.18	2.495	15.08	131.89	17.29	131.90
RO14220B_CD04	BASE	100YR24HR	22.38	127.55	-0.199	22.64	133.23	22.38	131.15
RO14220B_CD04	BASE	500YR5DAY	66.82	156.28	27.708	66.82	133.94	66.82	131.34
RO14220B_CD04	BASE	50YR24HR	22.72	119.98	-0.199	22.85	133.11	22.72	131.10

Cross Drain Analysis  
 CR 557 Widening - Proposed Peace Creek Model (Basins 1-4)  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RB2020A_CD03	B	PC100y1d	18.99	10.09	0.131	200.00	131.42	200.00	131.42
RB2020A_CD03	B	PC500y5d	63.00	23.38	0.142	170.43	132.55	168.39	132.56
RB2020A_CD03	B	PC50y1d	19.52	7.51	0.106	200.00	131.01	200.00	131.01
RB2020B_CD03	B	PC100y1d	18.99	10.09	0.131	200.00	131.42	200.00	131.42
RB2020B_CD03	B	PC500y5d	63.00	23.38	0.142	170.43	132.55	168.39	132.56
RB2020B_CD03	B	PC50y1d	19.52	7.51	0.106	200.00	131.01	200.00	131.01
RB2050B_CD02	B	PC100y1d	14.21	15.14	0.103	200.00	131.42	200.00	131.42
RB2050B_CD02	B	PC500y5d	61.24	21.13	0.145	168.59	132.56	168.39	132.56
RB2050B_CD02	B	PC50y1d	14.25	13.00	0.103	200.00	131.01	200.00	131.01
RB2050C_CD02	B	PC100y1d	14.21	15.14	0.103	200.00	131.42	200.00	131.42
RB2050C_CD02	B	PC500y5d	61.24	21.13	0.145	168.59	132.56	168.39	132.56
RB2050C_CD02	B	PC50y1d	14.25	13.00	0.103	200.00	131.01	200.00	131.01
RB2055A_CD01	B	PC100y1d	0.00	0.00	0.000	0.00	136.00	167.03	132.25
RB2055A_CD01	B	PC500y5d	0.00	0.00	0.000	0.00	136.00	158.02	132.72
RB2055A_CD01	B	PC50y1d	0.00	0.00	0.000	0.00	136.00	14.25	131.48

Cross Drain Analysis  
 CR 557 Widening - Proposed Polk City Model (Basins 5-8)  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH81161D_CD08	BASE	100YR24HR	66.43	15.07	9.120	66.43	132.64	0.00	131.00
RHH81161D_CD08	BASE	500YR5DAY	119.86	18.92	9.120	119.86	133.58	0.00	131.00
RHH81161D_CD08	BASE	50YR24HR	52.85	14.44	9.120	52.85	132.51	0.00	131.00
RHH81161E_CD08	BASE	100YR24HR	66.43	15.07	9.120	66.43	132.64	0.00	131.00
RHH81161E_CD08	BASE	500YR5DAY	119.86	18.92	9.120	119.86	133.58	0.00	131.00
RHH81161E_CD08	BASE	50YR24HR	52.85	14.44	9.120	52.85	132.51	0.00	131.00
RHH81161F_CD08	BASE	100YR24HR	66.43	15.07	9.120	66.43	132.64	0.00	131.00
RHH81161F_CD08	BASE	500YR5DAY	119.86	18.92	9.120	119.86	133.58	0.00	131.00
RHH81161F_CD08	BASE	50YR24HR	52.85	14.44	9.120	52.85	132.51	0.00	131.00
RHH81171B_CD10	BASE	100YR24HR	13.21	11.29	0.150	22.21	133.25	22.17	133.25
RHH81171B_CD10	BASE	500YR5DAY	61.76	13.76	0.135	66.67	133.96	66.67	133.95
RHH81171B_CD10	BASE	50YR24HR	13.21	9.74	0.121	22.38	133.15	22.33	133.15
RHH81172C_CD05	BASE	100YR24HR	12.53	7.04	0.026	12.53	133.15	1.03	133.40
RHH81172C_CD05	BASE	500YR5DAY	62.32	5.09	0.009	62.33	132.91	1.45	133.40
RHH81172C_CD05	BASE	50YR24HR	12.52	6.25	0.020	12.53	133.06	1.07	133.40
RHH8117B_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117B_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117B_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117C_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117C_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117C_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8117D_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117D_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117D_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8117E_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117E_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117E_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117F_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117F_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117F_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117G_CD06	BASE	100YR24HR	66.47	25.38	11.225	66.47	132.64	0.00	131.00
RHH8117G_CD06	BASE	500YR5DAY	119.87	31.87	11.225	119.87	133.58	0.00	131.00
RHH8117G_CD06	BASE	50YR24HR	52.89	24.33	11.225	52.89	132.50	0.00	131.00
RHH8117H_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117H_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117H_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00
RHH8117I_CD07	BASE	100YR24HR	66.47	7.52	3.325	66.47	132.64	0.00	131.00
RHH8117I_CD07	BASE	500YR5DAY	119.87	9.44	3.325	119.87	133.58	0.00	131.00
RHH8117I_CD07	BASE	50YR24HR	52.89	7.21	3.325	52.89	132.50	0.00	131.00

Cross Drain Analysis  
 CR 557 Widening - Proposed Polk City Model (Basins 5-8)  
 Link Maximum Comparison Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
RHH8181B_CD09	BASE	100YR24HR	12.48	5.32	2.576	15.27	131.94	18.00	132.02
RHH8181B_CD09	BASE	500YR5DAY	36.92	5.05	2.576	63.38	132.04	119.89	133.58
RHH8181B_CD09	BASE	50YR24HR	12.67	5.34	2.576	15.13	131.89	17.80	131.92
RHH8181C_CD09	BASE	100YR24HR	12.48	5.32	2.576	15.27	131.94	18.00	132.02
RHH8181C_CD09	BASE	500YR5DAY	36.92	5.05	2.576	63.38	132.04	119.89	133.58
RHH8181C_CD09	BASE	50YR24HR	12.67	5.34	2.576	15.13	131.89	17.80	131.92
RO14220B_CD04	BASE	100YR24HR	22.62	116.29	3.985	22.62	133.23	20.79	131.41
RO14220B_CD04	BASE	500YR5DAY	66.68	151.22	3.985	66.68	133.94	65.65	131.72
RO14220B_CD04	BASE	50YR24HR	22.83	110.96	3.985	22.83	133.12	20.70	131.36



## APPENDIX H: Ditch Design Calculations

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 50+70.00 to 53+50.00  
 Project: CR 557 (Buena Vista Dr) Widening

Nora Rios, EI  
Sean Carrigan, PE

Date: 1/16/2023  
 Date: 1/16/2023

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
53+50.00 150.37	52+00.00 140.63	RT	6.490	0.32 0.20	0.95 0.20	0.34	0.34	10.00	7.45	2.53	6	0.00	8	0.06	0.41	2.18	NO		0.71	
52+00.00 140.63	51+00.00 134.99	RT	5.640	0.07 0.05	0.95 0.20	0.08	0.42	11.15	7.19	3.02	6	0.00	8	0.042	0.39	2.81	NO		0.80	
51+00.00 134.99	50+70.00 132.70	RT	7.630	0.01 0.02	0.95 0.20	0.01	0.43	11.74	7.07	3.04	6	0.00	8	0.06	0.42	2.40	NO		0.83	

11.94975

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 51+43.00 to 53+50.00  
 Project: CR 557 (Buena Vista Dr) Widening

Nora Rios, EI  
Sean Carrigan, PE

Date: 1/16/23  
 Date: 1/16/23

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
53+50.00 151.02	52+00.00 140.81	RT	6.807	0.12 0.34	0.95 0.20	0.18	0.18	10.00	7.45	1.34	6	0.00	6	0.06	0.34	1.96	NO		0.88	
52+00.00 140.81	51+43.00 137.30	RT	6.158	0.03 0.07	0.95 0.20	0.04	0.22	11.27	7.16	1.58	6	0.00	6	0.042	0.32	2.56	NO		0.92	

11.64285

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 600+20.00 to 611+70.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/10/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
600+20.00 136.19	609+50.00 133.40	LT & RT	0.300	0.62 0.77	0.95 0.20	0.74	0.74	10.00	7.45	5.51	4	13	4	0.06	0.48	0.76	NO		1.000	
609+50.00 133.40	611+70.00 133.29	LT & RT	0.050	0.15 0.18	0.95 0.20	0.18	0.92	30.30	4.83	4.44	4	9	4	0.042	0.70	0.54	NO		1.500	

37.12796

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1189+00.00 to 1192+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1192+00.00 150.71	1191+00.00 147.47	LT	3.245	0.05 0.08	0.95 0.20	0.06	0.06	10.00	7.45	0.45	6	5	4	0.06	0.09	0.85	NO		0.50	
1191+00.00 147.47	1190+00.00 144.35	LT	3.121	0.04 0.08	0.95 0.20	0.06	0.12	11.97	7.02	0.84	6	5	4	0.06	0.14	1.09	NO		0.50	
1190+00.00 144.35	1189+00.00 142.16	LT	2.185	0.04 0.08	0.95 0.20	0.05	0.17	13.50	6.74	1.15	6	5	4	0.06	0.18	1.06	NO		0.50	

15.07158

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1224+00.00 to 1229+19.94  
 Project: CR 557 (Buena Vista Dr) Widening

Alicia Johns, EI  
Sean Carrigan, PE

Date: 1/20/2023  
 Date: 1/20/2023

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1224+00.00 156.90	1225+00.00 156.80	RT	0.100	0.00 0.37	0.95 0.20	0.07	0.07	20.00	5.80	0.41	4	3.00	4	0.06	0.31	0.30	NO		0.69	
1225+00.00 156.80	1226+00.00 156.70	RT	0.100	0.00 0.57	0.95 0.20	0.11	0.18	25.56	5.23	0.94	4	0.50	4	0.042	0.61	0.53	NO		1.07	
1226+00.00 156.70	1227+00.00 156.60	RT	0.100	0.00 0.66	0.95 0.20	0.13	0.31	28.72	4.95	1.54	4	2.50	4	0.06	0.67	0.45	NO		1.13	
1227+00.00 156.60	1228+00.00 156.50	RT	0.100	0.00 0.29	0.95 0.20	0.06	0.37	32.44	4.67	1.73	4	4.40	4	0.06	0.58	0.44	NO		0.89	
1228+00.00 156.50	1229+00.00 155.75	RT	0.750	0.00 0.33	0.95 0.20	0.07	0.44	36.21	4.42	1.95	6	2.48	6	0.06	0.42	0.91	NO		0.99	
1229+00.00 155.75	1229+19.94 155.60	RT	0.750	0.00 0.26	0.95 0.20	0.05	0.49	38.04	4.31	2.11	6	1.45	6	0.06	0.50	0.95	NO		1.23	

38.38765

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1230+86.36 to 1235+20.00  
 Project: CR 557 (Buena Vista Dr) Widening

Alicia Johns, EI Date: 1/20/2023  
Sean Carrigan, PE Date: 1/20/2023

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1230+86.36 152.64	1231+00.00 152.32	RT	2.323	0.00 0.07	0.95 0.20	0.01	0.50	38.39	4.29	2.15	4	5.65	4	0.06	0.24	1.32	NO		1.00	
1231+00.00 152.32	1232+00.00 150.00	RT	2.323	0.00 0.16	0.95 0.20	0.03	0.53	38.56	4.28	2.27	4	6.35	4	0.06	0.24	1.34	NO		0.91	
1232+00.00 150.00	1233+00.00 146.90	RT	3.100	0.00 0.18	0.95 0.20	0.04	0.57	39.81	4.21	2.40	4	2.65	4	0.06	0.34	1.73	NO		0.97	
1233+00.00 146.90	1234+00.00 143.80	RT	3.100	0.00 0.09	0.95 0.20	0.02	0.59	40.77	4.16	2.45	4	1.25	4	0.06	0.44	1.83	NO		1.28	
1234+00.00 143.80	1235+00.00 140.70	RT	3.100	0.00 0.14	0.95 0.20	0.03	0.62	41.68	4.11	2.55	6	2.75	6	0.06	0.33	1.64	NO		1.13	
1235+00.00 140.70	1235+20.00 140.08	RT	3.100	0.00 0.03	0.95 0.20	0.01	0.63	42.70	4.06	2.55	6	3.95	6	0.06	0.29	1.59	NO		0.81	

42.90878

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1306+00.00 to 1308+63.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 1/20/2023  
 Date: 1/20/2023

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1306+00.00 134.02	1307+00.00 133.42	RT	0.600	0.11 0.06	0.95 0.20	0.12	0.12	10.00	7.45	0.89	4	5	4	0.06	0.23	0.65	NO		1	
1307+00.00 133.42	1308+00.00 132.84	RT	0.584	0.11 0.06	0.95 0.20	0.12	0.24	12.56	6.91	1.66	4	5	4	0.06	0.33	0.79	NO		1	
1308+00.00 132.84	1308+63.00 132.64	RT	0.306	0.10 0.05	0.95 0.20	0.11	0.35	14.67	6.54	2.29	4	5	4	0.06	0.47	0.70	NO		1	

16.17131



Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1306+00.00 to 1309+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1306+00.00 134.02	1309+00.00 132.63	LT	0.465	0.35 0.20	0.95 0.20	0.37	0.37	10.00	7.45	2.75	4	5	4	0.06	0.47	0.86	NO		0.25	

15.80599

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1309+00.00 to 1311+15.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1311+15.00 132.95	1311+00.00 132.93	LT	0.151	0.06 0.02	0.95 0.20	0.06	0.40	12.24	6.67	2.67	4	3	4	0.042	0.63	0.78	NO		0.01	
1311+00.00 132.93	1310+00.00 132.78	LT	0.151	0.13 0.06	0.95 0.20	0.13	0.53	12.56	6.60	3.50	4	3.375	4	0.042	0.69	0.83	NO		0.23	
1310+00.00 132.78	1309+00.00 132.63	LT	0.151	0.13 0.06	0.95 0.20	0.13	0.66	14.58	6.23	4.11	4	4.375	4	0.042	0.68	0.85	NO		0.33	

16.55117

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1309+12.00 to 1310+55.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1310+55.00 133.31	1310+00.00 132.61	RT	1.268	0.11 0.08	0.95 0.20	0.12	0.12	10.00	7.45	0.89	4	4.55	4	0.06	0.20	0.86	NO		1.11	
1310+00.00 132.61	1309+12.00 132.56	RT	0.050	0.09 0.06	0.95 0.20	0.09	0.21	11.06	7.21	1.51	4	6.32	4	0.06	0.56	0.32	NO		0.63	

15.65015

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1311+15.00 to 1312+46.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1312+46.00 135.37	1312+00.00 135.00	RT	0.811	0.07 0.11	0.95 0.20	0.09	0.09	10.00	7.45	0.67	4	5.00	4	0.06	0.18	0.65	NO		1.28	
1312+00.00 135.00	1311+50.00 134.62	RT	0.768	0.09 0.04	0.95 0.20	0.09	0.18	11.17	7.19	1.29	4	5.00	4	0.06	0.27	0.81	NO		1.34	
1311+50.00 134.62	1311+15.00 133.73	RT	2.546	0.09 0.04	0.95 0.20	0.09	0.27	12.20	6.98	1.88	4	4.47	4	0.06	0.25	1.39	NO		1.31	

12.62231

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1311+65.00 to 1312+75.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1312+75.00 135.43	1312+00.00 133.81	LT	2.166	0.13 0.07	0.95 0.20	0.14	0.26	10.91	6.96	1.81	4	3	4	0.06	0.31	1.39	NO		0.53	
1312+00.00 133.81	1311+65.00 133.05	LT	2.166	0.08 0.04	0.95 0.20	0.08	0.34	11.81	6.76	2.30	4	3	4	0.06	0.35	1.49	NO		0.12	

12.19886

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1312+95.00 to 1314+75.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1312+95.00 135.90	1313+00.00 135.898	RT	0.050	0.04 0.05	0.95 0.20	0.04	0.04	10.00	7.45	0.30	4	4.90	4	0.06	0.25	0.20	NO		0.94	
1313+00.00 135.90	1313+55.00 135.87	RT	0.050	0.05 0.08	0.95 0.20	0.06	0.10	10.42	7.35	0.73	4	4.07	4	0.06	0.46	0.27	NO		1.03	
1313+55.00 135.87	1314+00.00 135.02	RT	1.889	0.04 0.04	0.95 0.20	0.05	0.15	13.78	6.69	1.00	4	4.17	4	0.06	0.20	1.05	NO		1.06	
1314+00.00 135.02	1314+75.00 134.92	RT	0.131	0.10 0.08	0.95 0.20	0.11	0.26	14.50	6.57	1.71	4	5.00	4	0.06	0.51	0.48	NO		1.00	

17.11541

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1313+22.00 to 1313+67.60  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1313+67.60 136.16	1313+22.00 135.73	LT	0.943	0.11 0.06	0.95 0.20	0.12	0.12	10.00	7.19	0.86	4	2.1	4	0.06	0.26	0.83	NO		0.52	

10.91117

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1314+10.00 to 1315+58.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1314+10.00 136.12	1315+00.00 136.07	LT	0.050	0.13 0.09	0.95 0.20	0.14	0.14	10.00	7.19	1.01	4	2.26	4	0.06	0.66	0.31	NO		0.36	
1315+00.00 136.07	1315+58.00 135.89	LT	0.312	0.10 0.07	0.95 0.20	0.10	0.24	14.83	6.19	1.49	4	2.26	4	0.06	0.51	0.67	NO		0.24	

16.26716



Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1315+20.00 to 1315+70.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1315+23.00 134.76	1315+70.00 134.51	RT	0.513	0.10 0.07	0.95 0.20	0.10	0.1	10.00	7.45	0.74	4	5.15	4	0.06	0.21	0.57	NO		0.96	

11.37144

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1316+10.00 to 1317+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1316+10.00 135.59	1317+00.00 134.875	LT	0.794	0.13 0.09	0.95 0.20	0.14	0.14	10.00	7.19	1.01	4	2.66	4	0.06	0.31	0.83	NO		0.70	

11.80076

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1316+45.00 to 1316+80.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1316+45.00 133.13	1316+80.00 133.01	RT	0.346	0.09 0.06	0.95 0.20	0.09	0.09	10.00	7.45	0.67	4	3	4	0.06	0.29	0.54	NO		0.69	

11.08684

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1317+25.00 to 1318+15.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1317+25.00 133.45	1318+00.00 132.95	RT	0.656	0.09 0.07	0.95 0.20	0.10	0.1	10.00	7.45	0.74	4	6.52	4	0.06	0.17	0.58	NO		0.62	
1318+00.00 132.95	1318+15.00 132.87	RT	0.547	0.04 0.03	0.95 0.20	0.05	0.15	12.16	6.99	1.05	4	6.02	4	0.06	0.24	0.65	NO		0.75	

12.55127

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1317+45.00 to 1317+90.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1317+45.00 134.18	1317+90.00 133.51	LT	1.487	0.05 0.04	0.95 0.20	0.05	0.05	10.00	7.19	0.36	4	4.00	4	0.06	0.12	0.68	NO		0.86	

11.09686

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1317+90.00 to 1319+11.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1319+11.00 133.57	1317+90.00 133.51	LT	0.050	0.09 0.06	0.95 0.20	0.10	0.10	10.00	7.19	0.72	4	5.00	4	0.06	0.41	0.26	NO		0.75	

17.70624

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1318+60.00 to 1320+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1318+63.00 132.649	1319+00.00 132.52	RT	0.351	0.06 0.04	0.95 0.20	0.07	0.07	10.00	7.45	0.52	4	5	4	0.06	0.20	0.46	NO		1	
1319+00.00 132.52	1320+00.00 132.352	RT	0.167	0.09 0.08	0.95 0.20	0.10	0.17	11.35	7.15	1.22	4	5.56	4	0.06	0.37	0.46	NO		0.86	

15.0001

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1319+63.00 to 1320+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1319+63.00 132.82	1320+00.00 132.35	LT	1.270	0.07 0.05	0.95 0.20	0.08	0.76	19.61	5.51	4.19	4	5	4	0.06	0.45	1.39	NO		0.85	

20.05374



Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1320+00.00 to 1321+21.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1321+20.00 132.41	1321+00.00 132.40	LT	0.050	0.06 0.03	0.95 0.20	0.06	0.41	19.09	5.58	2.29	4	6.88	4	0.06	0.67	0.36	NO		0.56	
1321+00.00 132.40	1320+00.00 132.35	LT	0.050	0.11 0.08	0.95 0.20	0.12	0.53	20.02	5.47	2.90	4	6.17	4	0.042	0.66	0.50	NO		0.75	

23.36151

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1320+00.00 to 1321+45.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1321+45.00 132.46	1321+00.00 132.42	RT	0.100	0.09 0.13	0.95 0.20	0.11	0.11	10.00	7.45	0.82	4	6.07	4	0.06	0.33	0.33	NO		0.73	
1321+00.00 132.42	1320+00.00 132.35	RT	0.067	0.09 0.08	0.95 0.20	0.10	0.21	12.25	6.97	1.46	4	6.02	4	0.06	0.51	0.35	NO		0.75	

17.02507

Polynomial Coefficients :	A =	13.6829
	B =	-2.93192
	C =	-0.00385
	D =	0.02241

Name: Ditch Calculations for 1321+72.00 to 1323+86.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1323+86.00 132.71	1323+00.00 132.62	LT	0.100	0.13 0.09	0.95 0.20	0.14	0.14	10.00	7.19	1.01	4	6.59	4	0.06	0.36	0.35	NO		0.36	
1323+00.00 132.62	1322+00.00 132.52	LT	0.100	0.11 0.10	0.95 0.20	0.12	0.26	14.06	6.32	1.64	4	6.01	4	0.06	0.49	0.42	NO		0.50	
1322+00.00 132.52	1321+72.00 132.49	LT	0.100	0.07 0.13	0.95 0.20	0.09	0.35	18.06	5.71	2.00	4	5.13	4	0.06	0.59	0.45	NO		0.72	

19.08503

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1321+90.00 to 1322+72.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1322+72.00 132.59	1322+00.00 132.52	RT	0.100	0.12 0.25	0.95 0.20	0.17	0.17	10.00	7.45	1.27	4	4.28	4	0.06	0.50	0.41	NO		1.18	
1322+00.00 132.52	1321+90.00 132.51	RT	0.100	0.06 0.06	0.95 0.20	0.07	0.24	12.95	6.84	1.64	4	5.43	4	0.06	0.52	0.43	NO		0.90	

13.34397

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1323+23.00 to 1323+84.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1323+84.00 132.70	1323+20.00 132.64	RT	0.100	0.17 0.20	0.95 0.20	0.20	0.20	10.00	7.45	1.49	4	3.74	4	0.06	0.57	0.43	NO		1.32	

12.48157

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1324+32.00 to 1325+10.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1324+32.00 133.06	1325+00.00 132.59	RT	0.691	0.16 0.07	0.95 0.20	0.17	0.17	10.00	7.45	1.27	4	4.48	4	0.06	0.29	0.79	NO		1.27	
1325+00.00 132.59	1325+10.00 132.52	RT	0.691	0.09 0.02	0.95 0.20	0.09	0.26	11.43	7.13	1.85	4	4.48	4	0.06	0.35	0.88	NO		1.02	

11.62278

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1324+37.50 to 1325+93.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1324+37.50 132.42	1325+00.00 132.30	LT	0.193	0.12 0.40	0.95 0.20	0.19	0.19	20.00	5.80	1.10	4	3.52	4	0.06	0.42	0.50	NO		0.80	
1325+00.00 132.30	1325+93.00 132.12	LT	0.193	0.20 0.36	0.95 0.20	0.26	0.45	22.08	5.57	2.51	4	3.52	4	0.042	0.54	0.82	NO		0.69	

23.96722

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1325+59.00 to 1326+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1325+59.00 132.639	1326+00.00 132.62	RT	0.050	0.18 0.12	0.95 0.20	0.19	0.19	10.00	7.45	1.41	4	5.487	4	0.06	0.57	0.32	NO		0.88	

12.15064



Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1326+45.00 to 1327+82.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1326+45.00 131.96	1327+00.00 131.931	LT	0.050	0.13 0.30	0.95 0.20	0.19	0.64	23.97	5.38	3.44	4	2.67	4	0.042	0.95	0.55	NO		1.09	
1327+00.00 131.93	1327+82.00 131.890	LT	0.050	0.15 0.32	0.95 0.20	0.20	0.84	25.62	5.22	4.39	4	2.64	4	0.042	1.07	0.59	NO		1.10	

27.87825

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1326+50.00 to 1328+80.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1326+50.00 132.594	1327+00.00 132.57	RT	0.050	0.08 0.14	0.95 0.20	0.10	0.10	10.00	7.45	0.74	4	7.44	4	0.06	0.34	0.24	NO		0.43	
1327+00.00 132.57	1328+00.00 132.52	RT	0.050	0.10 0.24	0.95 0.20	0.14	0.24	13.42	6.75	1.62	4	6.94	4	0.06	0.55	0.32	NO		0.62	
1328+00.00 132.52	1328+80.00 132.48	RT	0.050	0.16 0.19	0.95 0.20	0.19	0.43	18.64	5.97	2.57	4	5.55	4	0.042	0.65	0.49	NO		0.86	

21.36377

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1328+23.00 to 1328+72.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1328+33.00 131.79	1328+72.00 131.771	LT	0.050	0.20 0.42	0.95 0.20	0.27	0.27	20.00	5.80	1.57	4	2.456	4	0.042	0.67	0.45	NO		0.68	

21.43956

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1329+24.00 to 1333+92.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr  
 Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1333+92.00 134.74	1333+00.00 133.61	LT	1.226	0.15 0.33	0.95 0.20	0.20	0.93	19.66	5.85	5.44	4	3	4	0.06	0.63	1.55	NO		0.91	
1333+00.00 133.61	1332+00.00 133.51	LT	0.100	0.11 0.31	0.95 0.20	0.17	1.10	20.65	5.73	6.30	4	3	4	0.042	1.05	0.84	NO		1.28	
1332+00.00 133.51	1331+00.00 132.68	LT	0.832	0.11 0.17	0.95 0.20	0.14	1.24	22.64	5.51	6.83	4	3	4	0.042	0.65	1.85	NO		1.14	
1331+00.00 132.68	1330+00.00 132.33	LT	0.345	0.11 0.08	0.95 0.20	0.12	1.36	23.54	5.42	7.37	4	3	4	0.042	0.84	1.37	NO		0.88	
1330+00.00 132.33	1329+24.00 132.04	LT	0.382	0.32 3.17	0.95 0.20	0.93	2.29	24.75	5.30	12.14	4	3	4	0.042	1.04	1.63	NO		1.10	

25.52737

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1329+30.00 to 1329+68.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1329+68.00 132.537	1329+30.00 132.50	RT	0.100	0.09 0.06	0.95 0.20	0.10	1.20	22.40	5.54	6.64	4	5.1	4	0.042	0.92	0.83	NO		0.98	

23.16633

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1330+20.00 to 1330+64.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr  
 Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1330+64.00 132.63	1330+20.00 132.59	RT	0.100	0.10 0.07	0.95 0.20	0.11	1.10	21.50	5.63	6.20	4	4.86	4	0.042	0.90	0.81	NO		1.04	

22.40149

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1331+15.00 to 1332+47.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1332+47.00 132.82	1332+00.00 132.77	RT	0.100	0.09 0.04	0.95 0.20	0.10	0.86	18.69	5.97	5.13	4	5.06	4	0.042	0.80	0.77	NO		0.98	
1332+00.00 132.77	1331+15.00 132.68	RT	0.100	0.13 0.07	0.95 0.20	0.13	0.99	19.71	5.84	5.78	4	5.36	4	0.042	0.84	0.79	NO		0.91	

21.50101

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1333+00.00 to 1335+27.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1335+27.00 134.25	1335+00.00 133.28	RT	3.596	0.09 0.03	0.95 0.20	0.09	0.52	10.00	7.45	3.87	4	5.04	4	0.06	0.32	1.93	NO		0.625	
1335+00.00 133.28	1334+00.00 133.091	RT	0.185	0.11 0.06	0.95 0.20	0.12	0.64	10.23	7.39	4.73	4	3.04	4	0.042	0.79	0.97	NO		0.75	
1334+00.00 133.09	1333+00.00 132.91	RT	0.185	0.11 0.06	0.95 0.20	0.12	0.76	11.94	7.03	5.34	4	4.42	4	0.042	0.74	0.98	NO		0.77	

13.63929



Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1334+61.00 to 1339+50.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: \_\_\_\_\_  
 Design Event: 8 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1339+50.00 138.47	1339+00.00 138.42	LT	0.100	0.06 0.03	0.95 0.20	0.07	0.07	10.00	7.45	0.52	4	3	4	0.06	0.36	0.33	NO		0.25	
1339+00.00 138.42	1338+00.00 138.02	LT	0.400	0.13 0.06	0.95 0.20	0.14	0.21	12.56	6.91	1.45	4	3	4	0.06	0.43	0.72	NO		0.25	
1338+00.00 138.02	1337+00.00 137.22	LT	0.800	0.13 0.06	0.95 0.20	0.14	0.35	14.88	6.51	2.28	4	3	4	0.06	0.45	1.04	NO		0.75	
1337+00.00 137.22	1336+00.00 136.22	LT	1.000	0.14 0.06	0.95 0.20	0.14	0.49	16.49	6.26	3.07	4	3	4	0.06	0.50	1.23	NO		0.75	
1336+00.00 136.22	1335+00.00 135.26	LT	0.963	0.13 0.06	0.95 0.20	0.14	0.63	17.84	6.08	3.83	4	3	4	0.06	0.56	1.29	NO		0.75	
1335+00.00 135.26	1334+61.00 134.95	LT	0.790	0.09 0.05	0.95 0.20	0.10	0.73	19.13	5.91	4.31	4	3	4	0.06	0.63	1.24	NO		0.75	

19.65643

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1336+24.00 to 1337+81.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1337+81.00 136.65	1337+00.00 135.97	RT	0.838	0.10 0.08	0.95 0.20	0.11	0.27	13.07	6.81	1.84	4	1.958	4	0.06	0.47	1.04	NO		1.7605	
1337+00.00 135.97	1336+24.00 135.204	RT	1.007	0.15 0.07	0.95 0.20	0.16	0.43	14.37	6.59	2.83	4	3.36	4	0.06	0.46	1.20	NO		1.91	

15.43252

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1338+32.00 to 1338+59.32  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1338+59.32 137.05	1338+32.00 136.94	RT	0.417	0.08 0.05	0.95 0.20	0.09	0.16	12.37	6.95	1.11	4	3.754	4	0.06	0.33	0.65	NO		1.31	

13.07243

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1339+10.79 to 1339+50.00  
 Project: CR 557 (Buena Vista Dr) Widening

Designed By: Alicia Johns, EI  
 Checked By: Sean Carrigan, PE

Date: 8/1/2022  
 Date: 8/1/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1339+50.00 137.22	1339+10.79 137.19	RT	0.079	0.07 0.05	0.95 0.20	0.07	0.07	10.00	7.45	0.52	4	5	4	0.06	0.30	0.28	NO		0.75	

12.37142

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations 1345+20.00 to 1347+30.00  
 Project: CR 557 (Buena Vista Dr) Widening

Made by: Nora Rios, EI  
 Checked by: Sean Carrigan, PE

Date: 1/17/2023  
 Date: 1/17/2023

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1345+20.00 132.70	1347+30.00 132.43	RT.	0.129	0.00 12.67	0.95 0.20	2.53	2.53	32.00	4.70	11.90	3	4	3	0.042	1.31	1.13	NO		1.385	

35.08521

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations 1347+74.00 to 1351+77.00  
 Project: CR 557 (Buena Vista Dr) Widening

Made by: Nora Rios, EI  
 Checked by: Sean Carrigan, PE

Date: 1/17/2023  
 Date: 1/17/2023

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1347+74.00 132.40	1351+77.00 132.02	RT.	0.094	0.00 13.07	0.95 0.20	2.61	2.61	35.00	4.50	11.75	4	5	4	0.042	1.24	0.94	NO		2.138	

42.1078

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1379+22.23 to 1382+65.08  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/12/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1379+22.23 132.54	1380+00.00 132.51	RT.	0.050	0.06 0.09	0.95 0.20	0.07	0.07	10.00	7.45	0.52	4	11.145	4	0.06	0.22	0.19	NO		2.170	
1380+00.00 132.51	1381+00.00 132.46	RT.	0.050	0.07 0.12	0.95 0.20	0.09	0.16	16.75	6.23	1.00	4	12.29	4	0.06	0.31	0.24	NO		2.090	
1381+00.00 132.46	1382+00.00 132.41	RT.	0.050	0.07 0.12	0.95 0.20	0.09	0.25	23.74	5.40	1.35	4	13.085	4	0.06	0.36	0.26	NO		1.763	
1382+00.00 132.41	1382+65.08 132.37	RT.	0.050	0.05 0.08	0.95 0.20	0.06	0.31	30.10	4.85	1.50	4	12.69	4	0.06	0.39	0.27	NO		1.530	

34.04556

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1383+24.85 to 1384+10.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/12/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1383+24.85 132.17	1384+00.00 132.14	Right	0.050	0.05 0.09	0.95 0.20	0.07	0.38	34.05	4.56	1.73	4	5.965	4	0.06	0.61	0.33	NO		4.210	Total CA and ToC (34.05 mins) from ditch segment 1379+22.23 to 1382+65.08
1384+00.00 132.14	1384+10.00 132.13	Right	0.050	0.01 0.01	0.95 0.20	0.01	0.39	37.81	4.33	1.69	4	5.465	4	0.06	0.63	0.34	NO		4.385	

38.30793



Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1384+10.00 to 1394+13.42  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/12/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1394+13.42 135.95	1394+00.00 135.72	RT.	1.706	0.00 0.02	0.95 0.20	0.01	0.01	10.00	7.45	0.07	4	0	4	0.06	0.17	0.61	NO		0.30	
1394+00.00 135.72	1393+83.42 135.67	RT.	0.308	0.00 0.02	0.95 0.20	0.01	0.02	10.37	7.36	0.15	4	0	4	0.06	0.31	0.39	NO		0.40	
1393+83.42 135.67	1393+00.00 135.33	RT.	0.405	0.01 0.10	0.95 0.20	0.03	0.05	11.08	7.21	0.36	4	0	4	0.06	0.41	0.54	NO		0.57	
1393+00.00 135.33	1391+00.00 133.66	RT.	0.837	0.02 0.23	0.95 0.20	0.07	0.12	13.66	6.71	0.81	4	0	4	0.06	0.48	0.86	NO		1.28	
1391+00.00 133.66	1389+63.42 132.75	RT.	0.666	0.09 0.16	0.95 0.20	0.12	0.24	17.55	6.11	1.47	4	2.5	4	0.06	0.41	0.88	NO		1.96	
1389+63.42 132.75	1389+00.00 132.62	RT.	0.200	0.04 0.07	0.95 0.20	0.05	0.29	20.13	5.79	1.68	4	5	4	0.06	0.45	0.55	NO		2.00	
1389+00.00 132.62	1384+10.00 132.13	RT.	0.100	0.33 0.57	0.95 0.20	0.42	0.71	22.05	5.57	3.96	4	5	4	0.042	0.71	0.72	NO		2.00	

33.44195

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1384+10.00 to 1400+40.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 1/11/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1400+40.00 136.76	1395+32.00 136.25	MD.	0.100	0.48 0.33	0.95 0.20	0.52	0.52	10.00	7.45	3.87	4	3	4	0.042	0.83	0.74	NO		1.065	
1395+32.00 136.25	1394+82.00 135.12	MD.	2.266	0.03 0.05	0.95 0.20	0.04	0.56	21.51	5.63	3.15	4	4	4	0.06	0.36	1.60	NO		1.920	
1394+82.00 135.12	1394+55.42 135.06	MD.	0.200	0.02 0.02	0.95 0.20	0.02	0.58	22.03	5.58	3.23	5	5	4	0.06	0.63	0.66	NO		2.825	
1394+55.42 135.06	1394+13.42 135.02	MD.	0.100	0.03 0.04	0.95 0.20	0.03	0.61	22.71	5.50	3.36	5	5	4	0.042	0.64	0.67	NO		2.825	
1394+13.42 135.02	1393+83.42 134.99	MD.	0.100	0.02 0.03	0.95 0.20	0.02	0.63	23.75	5.40	3.40	5	5	4	0.042	0.64	0.67	NO		2.825	
1393+83.42 134.99	1390+83.42 134.39	MD.	0.200	0.17 0.28	0.95 0.20	0.21	0.84	24.50	5.33	4.47	5	5	4	0.042	0.62	0.93	NO		2.825	
1390+83.42 134.39	1389+00.00 134.03	MD.	0.200	0.00 0.17	0.95 0.20	0.03	0.87	29.88	4.86	4.23	5	5	4	0.06	0.72	0.71	NO		2.825	
1389+00.00 134.03	1384+10.00 133.54	MD.	0.100	0.00 0.45	0.95 0.20	0.09	0.96	34.20	4.55	4.37	5	5	4	0.042	0.73	0.72	NO		2.825	

45.55684

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1384+10.00 to 1408+90.57  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/10/2022

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1408+90.57 134.34	1406+90.00 133.94	LT	0.200	0.24 0.17	0.95 0.20	0.27	0.27	10.00	7.45	2.01	4	5	4	0.06	0.49	0.58	NO		2.000	
1406+90.00 133.94	1406+00.00 133.89	LT	0.051	0.11 0.08	0.95 0.20	0.12	0.39	15.78	6.37	2.48	4	5	4	0.042	0.66	0.49	NO		2.000	
1406+00.00 133.89	1402+00.00 133.49	LT	0.100	0.49 0.35	0.95 0.20	0.53	0.92	18.84	5.95	5.47	4	5	4	0.042	0.84	0.79	NO		2.000	
1402+00.00 133.49	1397+56.00 133.05	LT	0.100	0.70 0.39	0.95 0.20	0.74	1.96	27.32	5.07	9.94	4	5	4	0.042	1.13	0.92	NO		2.000	
1397+56.00 133.05	1397+00.00 133.02	LT	0.050	0.05 0.05	0.95 0.20	0.06	2.02	35.32	4.48	9.05	4	5.1	4	0.042	1.27	0.70	NO		1.985	
1397+00.00 133.02	1396+00.00 132.97	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.13	36.66	4.40	9.36	4	5.4	4	0.042	1.27	0.70	NO		1.945	
1396+00.00 132.97	1395+00.00 132.92	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.24	39.02	4.26	9.53	4	5.8	4	0.042	1.25	0.70	NO		1.895	
1395+00.00 132.92	1394+00.00 132.87	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.35	41.39	4.12	9.69	4	6.5	4	0.042	1.21	0.70	NO		1.813	
1394+00.00 132.87	1393+00.00 132.82	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.46	43.77	4.00	9.84	4	5.9	4	0.042	1.26	0.71	NO		1.890	
1393+00.00 132.82	1392+00.00 132.77	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.57	46.13	3.89	9.99	4	3.8	4	0.042	1.44	0.73	NO		2.153	
1392+00.00 132.77	1391+00.00 132.72	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.68	48.43	3.78	10.13	4	2.7	4	0.042	1.55	0.73	NO		2.290	
1391+00.00 132.72	1390+00.00 132.67	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.79	50.71	3.68	10.27	4	3.2	4	0.042	1.51	0.73	NO		2.225	
1390+00.00 132.67	1389+00.00 132.62	LT	0.050	0.09 0.09	0.95 0.20	0.11	2.90	52.98	3.59	10.41	4	4.4	4	0.042	1.41	0.73	NO		2.075	
1389+00.00 132.62	1384+10.00 132.13	LT	0.100	0.46 0.43	0.95 0.20	0.52	3.42	55.27	3.50	11.97	4	5	4	0.042	1.24	0.97	NO		2.000	

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: s for 1402+00.00 to 1406+00.00

Ken D. Timpson, PE

Date: 1/11/2022

Zone: 8

Max Vel. 4.00 fps

Project: CR 557 (Buena Vista Dr) Widening

Date:

Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1406+00.00 138.06	1402+00.00 137.66	MD.	0.100	0.27 0.26	0.95 0.20	0.30	0.30	10.00	7.45	2.23	4	3	4	0.042	0.63	0.63	NO		1.065	

20.55171

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1406+00.00 to 1414+76.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1406+00.00 138.07	1407+01.00 137.78	MD.	0.281	0.07 0.06	0.95 0.20	0.08	0.08	10.00	7.45	0.60	4	3	4	0.06	0.29	0.48	NO		0.644	
1407+01.00 137.78	1407+51.00 136.09	MD.	3.379	0.03 0.04	0.95 0.20	0.03	0.11	13.48	6.74	0.74	4	4	4	0.06	0.14	1.13	NO		1.511	
1407+51.00 136.09	1408+90.57 135.74	MD.	0.250	0.08 0.13	0.95 0.20	0.10	0.21	14.22	6.62	1.39	4	5	4	0.06	0.38	0.56	NO		2.341	
1408+90.57 135.74	1411+00.00 135.33	MD.	0.200	0.04 0.19	0.95 0.20	0.08	0.29	18.37	6.01	1.74	4	5	4	0.06	0.46	0.56	NO		2.375	
1411+00.00 135.33	1414+76.00 134.95	MD.	0.100	0.00 0.35	0.95 0.20	0.07	0.36	24.62	5.31	1.91	4	5	4	0.06	0.58	0.45	NO		2.375	

38.57756

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1406+62.57 to 1424+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1406+32.57 137.15	1406+62.57 136.87	RT.	0.933	0.00 0.03	0.95 0.20	0.01	0.01	10.00	7.45	0.07	4	5	4	0.06	0.05	0.32	NO		1.50	
1406+62.57 136.87	1409+02.57 135.03	RT.	0.767	0.03 0.21	0.95 0.20	0.07	0.08	11.58	7.10	0.57	4	5	4	0.06	0.17	0.61	NO		1.50	
1409+02.57 135.03	1409+62.57 134.67	RT.	0.600	0.01 0.05	0.95 0.20	0.02	0.10	18.09	6.04	0.60	4	5	4	0.06	0.18	0.56	NO		1.50	
1409+62.57 134.67	1410+82.57 133.95	RT.	0.600	0.08 0.10	0.95 0.20	0.10	0.20	19.87	5.82	1.16	4	5	4	0.06	0.27	0.71	NO		1.50	
1410+82.57 133.95	1411+00.00 133.92	RT.	0.200	0.01 0.02	0.95 0.20	0.01	0.21	22.67	5.51	1.16	4	5	4	0.06	0.36	0.49	NO		1.50	
1411+00.00 133.92	1415+26.00 133.49	RT.	0.100	0.28 0.37	0.95 0.20	0.34	0.55	23.27	5.45	3.00	4	5	4	0.042	0.61	0.66	NO		1.50	
1415+26.00 133.49	1420+50.00 132.97	RT.	0.100	0.35 0.46	0.95 0.20	0.42	0.97	34.03	4.56	4.43	4	5	4	0.042	0.75	0.74	NO		1.50	
1420+50.00 132.97	1421+22.00 132.90	RT.	0.100	0.08 0.06	0.95 0.20	0.09	1.06	45.86	3.90	4.13	4	5	4	0.042	0.72	0.72	NO		1.50	
1421+22.00 132.90	1424+00.00 132.62	RT.	0.100	0.19 0.24	0.95 0.20	0.22	1.28	47.52	3.82	4.89	4	5	4	0.042	0.79	0.76	NO		1.50	

53.61405

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1408+90.57 to 1424+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1408+90.57 134.34	1411+00.00 133.92	LT.	0.200	0.20 0.18	0.95 0.20	0.22	0.22	10.00	7.45	1.64	4	5	4	0.06	0.44	0.54	NO		2.00	
1411+00.00 133.92	1414+76.00 133.54	LT.	0.100	0.35 0.33	0.95 0.20	0.40	0.62	16.41	6.27	3.89	4	5	4	0.042	0.70	0.71	NO		2.00	
1414+76.00 133.54	1420+50.00 132.97	LT.	0.100	0.54 0.50	0.95 0.20	0.61	1.66	50.00	3.71	6.16	4	5	4	0.042	0.89	0.81	NO		2.00	ToC and Total CA included from Median ditches between 1406+00 an 1420+26
1420+50.00 132.97	1421+22.00 132.90	LT.	0.100	0.10 0.06	0.95 0.20	0.11	1.77	61.79	3.27	5.79	4	5	4	0.042	0.86	0.80	NO		2.00	
1421+22.00 132.90	1424+00.00 132.62	LT.	0.100	0.34 0.24	0.95 0.20	0.37	2.14	63.30	3.22	6.89	4	5	4	0.042	0.94	0.84	NO		2.00	

68.84266

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1414+76.00 to 1420+26.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1420+36.00 136.52	1415+26.00 136.27	MD.	0.050	0.00 0.33	0.95 0.20	0.07	0.07	10.00	7.45	0.52	4	6.29	4	0.06	0.28	0.21	NO		0.59	
1415+26.00 136.27	1414+76.00 134.95	MD.	2.640	0.00 0.04	0.95 0.20	0.01	0.08	48.83	3.76	0.30	4	4.29	4	0.06	0.08	0.71	NO		1.65	

49.99506



Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1421+36.00 to 1424+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1421+36.00 135.66	1424+00.00 135.40	MD.	0.100	0.00 0.17	0.95 0.20	0.03	0.03	10.00	7.45	0.22	4	3	4	0.06	0.23	0.25	NO		1.0	

27.3583

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1424+00.00 to 1424+35.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1424+49.00 132.64	1424+00.00 132.62	LT.	0.050	0.03 0.04	0.95 0.20	0.04	1.70	53.43	3.57	6.07	4	5	4	0.042	1.05	0.63	NO		1.50	Total CA and Initial ToC (53.43 mins) from ditch segment 1425+32 to 1428+85.

54.73039

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1424+00.00 to 1426+46.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1426+46.00 135.52	1424+00.00 135.40	MD.	0.050	0.00 0.16	0.95 0.20	0.03	0.03	10.00	7.45	0.22	4	3	4	0.06	0.27	0.20	NO		1.0	

30.90361

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1424+00.00 to 1440+60.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1440+60.00 133.45	1438+00.00 133.32	LT.	0.050	0.24 0.23	0.95 0.20	0.28	0.71	14.80	6.52	4.63	4	7.8	4	0.042	0.76	0.55	NO		2.00	ToC (14.80 mins) and Total Ca included from 1441+16 to 1443+00
1438+00.00 133.32	1427+00.00 132.77	LT.	0.050	1.04 0.96	0.95 0.20	1.18	1.89	22.62	5.51	10.42	4	5	4	0.042	1.37	0.73	NO		2.00	
1427+00.00 132.77	1426+46.00 132.74	LT.	0.050	0.05 0.05	0.95 0.20	0.06	2.16	47.84	3.81	8.22	4	5	4	0.042	1.22	0.68	NO		2.00	ToC (65.15 mins) and Total CA included from MD ditch 1426+46 to 1437+80
1426+46.00 132.74	1424+00.00 132.62	LT.	0.050	0.30 0.21	0.95 0.20	0.33	2.49	49.16	3.75	9.33	4	5	4	0.042	1.30	0.71	NO		2.00	

54.96554

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1425+32.00 to 1428+85.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1428+85.00 132.86	1425+25.00 132.68	RT.	0.050	0.24 0.31	0.95 0.20	0.29	1.67	44.12	3.98	6.65	4	5	4	0.042	1.10	0.64	NO		1.50	Total CA and Initial ToC (44.12 mins) from ditch segment 1429+33 to 1442+50.

53.43314

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1426+46.00 to 1427+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1426+46.00 135.52	1427+00.00 134.18	MD.	2.487	0.00 0.04	0.95 0.20	0.01	0.01	10.00	7.45	0.07	4	4	4	0.06	0.04	0.44	NO		1.7	

12.02341

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1427+00.00 to 1437+80.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1437+80.00 134.72	1427+00.00 134.18	MD.	0.050	0.00 0.99	0.95 0.20	0.20	0.2	10.00	7.45	1.49	4	5	4	0.06	0.61	0.33	NO		2.4	

65.14728

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1429+55.00 to 1440+50.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1442+50.00 133.55	1438+00.00 133.32	RT.	0.050	0.57 0.74	0.95 0.20	0.69	0.69	10.00	7.45	5.14	4	5	4	0.042	0.96	0.60	NO		1.00	
1438+00.00 133.32	1429+55.00 132.90	RT.	0.050	0.56 0.76	0.95 0.20	0.69	1.38	22.54	5.52	7.62	4	5	4	0.042	1.18	0.67	NO		1.50	

44.1239



Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1441+16.00 to 1442+39.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1443+00.00 135.41	1442+20.00 134.73	LT.	0.845	0.30 0.17	0.95 0.20	0.32	0.32	10.00	7.45	2.38	4	5	4	0.06	0.37	1.02	NO		0.69	
1442+20.00 134.73	1442+00.00 133.52	LT.	6.046	0.10 0.07	0.95 0.20	0.11	0.43	11.31	7.16	3.08	4	9.715	4	0.06	0.17	1.79	NO		0.74	
1442+20.00 134.73	1441+16.00 134.68	LT.	0.050	0.14 0.17	0.95 0.20	0.16	0.59	11.50	7.12	4.20	4	9.205	4	0.042	0.67	0.53	NO		0.92	

14.80156

Polynomial Coefficients :	A =	11.54908
	B =	-0.89694
	C =	-0.53
	D =	0.06319

Name: Ditch Calculations for 1446+80.00 to 1454+40.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1446+80.00 135.32	1448+57.00 135.23	LT.	0.050	0.69 0.52	0.95 0.20	0.76	0.76	10.00	7.45	5.66	4	1.2	4	0.042	1.35	0.64	NO		1.55	Includes area from S-800 (5.08 cfs)
1448+57.00 135.23	1452+00.00 134.32	LT.	0.267	0.09 0.23	0.95 0.20	0.13	0.89	14.63	6.55	5.83	4	2.7	4	0.042	0.82	1.18	NO		2.00	
1452+00.00 134.32	1454+40.00 134.08	LT.	0.100	0.30 0.19	0.95 0.20	0.33	1.22	19.48	5.87	7.16	4	5	4	0.042	0.96	0.85	NO		2.00	

24.21252

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1447+00.00 to 1451+35.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1447+00.00 135.22	1447+29.14 135.21	RT.	0.050	0.25 0.09	0.95 0.20	0.26	0.26	10.00	7.45	1.94	4	5	4	0.06	0.70	0.35	NO		0.93	
1447+29.14 135.21	1447+57.15 134.59	RT.	2.215	0.00 0.03	0.95 0.20	0.01	0.27	11.38	7.14	1.93	4	5	4	0.06	0.25	1.31	NO		1.13	
1447+57.15 134.59	1451+35.00 134.40	RT.	0.050	0.27 0.56	0.95 0.20	0.37	0.64	11.74	7.07	4.52	4	5	4	0.042	0.90	0.58	NO		1.38	

22.64634

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1452+00.00 to 1458+25.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1452+00.00 137.52	1453+00.00 137.00	MD.	0.520	0.00 0.06	0.95 0.20	0.01	0.01	10.00	7.45	0.07	4	3	4	0.06	0.08	0.31	NO		1.01	
1453+00.00 137.00	1458+25.00 136.47	MD.	0.100	0.00 0.35	0.95 0.20	0.07	0.07	15.36	6.43	0.45	4	3	4	0.06	0.33	0.31	NO		1.01	

43.57792

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1452+10.00 to 1479+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1452+10.00 134.31	1458+44.00 133.68	RT.	0.100	0.60 0.57	0.95 0.20	0.68	1.32	22.45	5.53	7.30	4	5	4	0.042	0.97	0.85	NO		1.50	ToC (22.45 mins) and Total CA included from ditch segment 1447+00 to 1451+35
1458+44.00 133.68	1460+09.00 133.51	RT.	0.100	0.19 0.15	0.95 0.20	0.21	1.53	34.88	4.51	6.90	4	5	4	0.042	0.94	0.84	NO		1.50	
1460+09.00 133.51	1464+00.00 133.12	RT.	0.100	0.26 0.35	0.95 0.20	0.32	1.85	38.17	4.31	7.96	4	5	4	0.042	1.01	0.87	NO		1.50	
1464+00.00 133.12	1468+34.00 132.90	RT.	0.050	0.29 0.39	0.95 0.20	0.35	2.20	45.66	3.91	8.60	4	5	4	0.042	1.25	0.69	NO		1.50	
1464+00.00 133.12	1473+56.82 132.64	RT.	0.050	0.90 0.86	0.95 0.20	1.03	3.23	56.13	3.47	11.20	4	5	4	0.042	1.42	0.74	NO		1.50	
1473+56.82 132.64	1474+54.25 132.59	RT.	0.050	0.10 0.09	0.95 0.20	0.11	3.34	77.63	2.82	9.41	4	5	4	0.042	1.30	0.71	NO		1.50	
1474+54.25 132.59	1479+00.00 132.37	RT.	0.050	0.50 0.40	0.95 0.20	0.56	3.90	79.93	2.76	10.77	4	5	4	0.042	1.39	0.73	NO		1.50	

90.06455

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1455+15.00 to 1458+45.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1455+15.00 134.01	1457+00.00 133.83	LT.	0.100	1.35 1.08	0.95 0.20	1.49	1.49	24.21	5.35	7.98	4	5	4	0.042	1.01	0.87	NO		2.00	ToC (24.21 mins) and Total CA included from Left ditch sta. 1446+80 to 1454+40
1457+00.00 133.83	1458+45.00 133.68	LT.	0.100	0.27 0.53	0.95 0.20	0.36	1.93	43.63	4.01	7.74	4	5	4	0.042	1.00	0.86	NO		2.00	ToC (43.63 mins) and Total CA included from Median ditch sta 1452+00 to 1458+25

46.42477

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1460+23.00 to 1467+84.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1460+23.00 136.27	1464+00.00 135.90	MD.	0.100	0.00 0.24	0.95 0.20	0.05	0.05	10.00	7.45	0.37	4	3	4	0.06	0.30	0.29	NO		1.01	
1464+00.00 135.90	1465+33.00 135.83	MD.	0.050	0.00 0.09	0.95 0.20	0.02	0.07	31.36	4.75	0.33	4	3	4	0.06	0.34	0.22	NO		1.01	
1465+33.00 135.83	1465+83.00 134.43	MD.	2.790	0.00 0.05	0.95 0.20	0.01	0.08	41.30	4.13	0.33	4	4	4	0.06	0.09	0.79	NO		1.69	
1465+83.00 134.43	1467+65.00 134.34	MD.	0.050	0.00 0.17	0.95 0.20	0.03	0.11	42.36	4.07	0.45	4	5	4	0.06	0.32	0.23	NO		2.38	

55.70446

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1460+47.00 to 1469+73.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1460+47.00 133.30	1464+00.00 133.13	LT.	0.050	0.53 0.29	0.95 0.20	0.56	2.16	46.42	3.87	8.36	4	5.4	4	0.042	1.20	0.68	NO		2.00	ToC (46.42 mins) and Total CA included from Left ditch sta. 1455+15 to 1458+45
1464+00.00 133.13	1465+33.00 133.06	LT.	0.050	0.20 0.11	0.95 0.20	0.21	2.37	55.05	3.51	8.31	4	5.5	4	0.042	1.19	0.68	NO		2.00	
1465+33.00 133.06	1465+83.00 133.04	LT.	0.050	0.05 0.04	0.95 0.20	0.05	2.42	58.31	3.39	8.20	4	5	4	0.042	1.22	0.68	NO		2.00	
1465+83.00 133.04	1469+73.00 132.840	LT.	0.050	0.37 0.34	0.95 0.20	0.42	3.03	59.53	3.35	10.14	4	5	4	0.042	1.35	0.72	NO		2.00	Total CA included from median ditch 1460+23 to 1473+35

68.54127



Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1467+84.00 to 1473+35.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1473+24.00 136.06	1472+94.00 135.93	MD.	0.421	0.01 0.02	0.95 0.20	0.01	0.01	10.00	7.45	0.07	4	3	4	0.06	0.08	0.28	NO		1.01	
1472+94.00 135.93	1468+15.00 135.69	MD.	0.050	0.00 0.31	0.95 0.20	0.06	0.07	11.79	7.06	0.49	4	3	4	0.06	0.42	0.25	NO		1.01	
1468+15.00 135.69	1467+65.00 134.34	MD.	2.690	0.00 0.05	0.95 0.20	0.01	0.08	43.51	4.01	0.32	4	4	4	0.06	0.09	0.77	NO		1.69	

44.58796

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1470+31.00 to 1473+55.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1470+31.00 132.81	1473+40.00 132.66	LT.	0.050	0.29 0.26	0.95 0.20	0.33	3.36	68.54	3.06	10.28	4	5	4	0.042	1.36	0.72	NO		2.00	ToC (68.54 mins) and Total CA included from Left ditch sta. 1460+47 to 1469+73

75.65216

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1474+25.00 to 1477+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8

Max Vel. 4.00 fps

Date: \_\_\_\_\_

Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1474+25.00 132.32	1477+00.00 132.18	LT.	0.050	0.36 0.31	0.95 0.20	0.41	0.41	10.00	7.45	3.05	4	5	4	0.042	0.74	0.52	NO		2.00	

18.83968

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1477+00.00 to 1479+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8

Max Vel. 4.00 fps

Date: \_\_\_\_\_

Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1477+00.00 132.18	1479+00.00 132.08	LT.	0.050	0.19 0.22	0.95 0.20	0.22	0.22	10.00	7.45	1.64	4	5	4	0.06	0.64	0.34	NO		2.00	

19.94608

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1479+00.00 to 1480+30.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1480+30.00 132.69	1480+00.00 132.66	RT.	0.100	0.03 0.03	0.95 0.20	0.03	0.10	14.48	6.57	0.66	4	5	4	0.06	0.32	0.32	NO		1.50	ToC (14.48 mins) and Total CA included from ditch segment 1481+00 to 1481+80
1480+00.00 132.66	1479+00.00 132.37	RT.	0.290	0.11 0.09	0.95 0.20	0.12	0.22	16.03	6.33	1.39	4	5	4	0.06	0.36	0.59	NO		1.50	

18.88101

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1479+00.00 to 1481+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE Date: 2/22/2022  
 Date: \_\_\_\_\_

Zone: 8 Max Vel. 4.00 fps  
 Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1481+00.00 132.76	1480+00.00 132.66	LT.	0.100	0.09 0.11	0.95 0.20	0.11	0.11	10.00	7.45	0.82	4	5	4	0.06	0.36	0.34	NO		2.00	
1480+00.00 132.66	1479+00.00 132.08	LT.	0.583	0.09 0.11	0.95 0.20	0.11	0.22	14.85	6.51	1.43	4	5	4	0.06	0.30	0.75	NO		2.00	

17.07523

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1481+00.00 to 1481+80.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8

Max Vel. 4.00 fps

Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1481+80.00 132.84	1481+00.00 132.76	RT.	0.100	0.05 0.09	0.95 0.20	0.07	0.07	10.00	7.45	0.52	4	5	4	0.06	0.28	0.30	NO		1.50	

14.47749

Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1481+00.00 to 1482+00.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8

Max Vel. 4.00 fps

Design Event: 10 Yr

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1482+00.00 132.86	1481+00.00 132.76	LT.	0.100	0.09 0.11	0.95 0.20	0.11	0.11	10.00	7.45	0.82	4	5	4	0.06	0.36	0.34	NO		2.00	

14.84669



Polynomial Coefficients :	A = 11.54908
	B = -0.89694
	C = -0.53
	D = 0.06319

Name: Ditch Calculations for 1482+00.00 to 1483+90.00  
 Project: CR 557 (Buena Vista Dr) Widening

Ken D. Timpson, PE

Date: 2/22/2022

Zone: 8  
 Design Event: 10 Yr

Max Vel. 4.00 fps

Begin Station	End Station	Side	Longitudinal Slope (%)	Increment			Total CA	T <sub>c</sub> (min)	i (in/hr)	Q (cfs)	Ditch Section			n	d <sub>n</sub> (ft)	Vel (fps)	Ditch Lining	Sidedrain Pipe DIA	Allowable d <sub>n</sub> (ft)	Remarks
				Area (ac)	C <sub>10</sub>	CA					F.S (1:_)	BW (ft)	BS (1:_)							
1482+00.00 132.86	1483+90.00 132.29	LT.	0.299	0.18 0.20	0.95 0.20	0.21	0.21	10.00	7.45	1.56	4	5	4	0.06	0.39	0.62	NO		2.00	

15.09314

## APPENDIX I: Storm Sewer Design and Spread Calculations

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 1 - Outfall

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: 1A OUTFALL  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME	STATION	OFFSET DISTANCE (ft)				SIDE	UPPER LOWER	COMPOSITE C VALUE										AREA	SUB-TOTAL (C'A)	CROWN							
			INCREMENTAL	CUMULATIVE	FLOWLINE ELEVATION				HYD. GRAD.																		
CL_CR557			S-96	Type C DBI	124.47	0.950	0.355	0.337	10.00	0.33	7.45	0.337	0.000	6.40	0.10	142.16	1.95	140.21	138.83	1.38	1	18	1.106%	6.37	10.73	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 131.00	
1189+00.00	-8.54	Lt.	EX-4			0.950	0.355	0.337										140.60	139.50	1.10			0.88%	6.07			
								0.000										139.10	138.00	1.10			0.15%				
CL_CR557			S-97	Type 8 MH	301.72			0.000	0.00	0.62	0.00	0.000	0.000	3.89	0.02	151.74	4.48	147.26	139.58	7.68	1	18	2.546%	8.06	17.75		
1192+00.00	-39.85	Lt.	S-96					0.000										147.90	140.60	7.30			2.42%	10.04			
								0.000										146.40	139.10	7.30			0.15%				
CL_CR557			S-98	Type 8 MH	78.80			0.000	0.00	0.35	0.00	0.000	0.000	3.89	0.19	155.87	8.18	147.69	147.26	0.43	1	18	0.545%	3.73	5.75		
1192+76.40	-59.00	Lt.	S-97					0.000										148.10	147.90	0.20			0.25%	3.25			
								0.000										146.60	146.40	0.20			0.15%				
CL_CR557			S-99	Type 8 MH	76.24			0.000	0.00	0.45	0.00	0.000	0.000	3.89	0.29	151.19	3.15	148.04	147.69	0.35	1	18	0.464%	2.84	7.16		
1192+76.40	-135.24	Lt.	S-98					0.000										148.40	148.10	0.30			0.39%	4.05			
								0.000										146.90	146.60	0.30			0.15%				
CL_CR557			EX-4	Type 6 CI	22.97	0.000	0.000	0.000	10.33	0.17	7.37	0.337	0.000	11.37	0.23	143.46	7.42	136.04	135.95	0.09	1	30	0.402%	2.32	78.88		
1187+77.12	12.30	Rt.	EX-3			0.950	0.355	0.337										136.67	135.95	0.72			3.13%	16.07			
						0.000	0.000	0.000										134.17	133.45	0.72			0.08%				
CL_CR557			OCS-1	Type C DBI	39.57	0.000	0.000	0.000	0.00	0.24	0.00	0.000	0.000	3.89	0.13	152.00	3.79	148.21	148.04	0.17	1	18	0.428%	2.70	5.74		
1193+15.97	-135.42	Lt.	S-99			0.000	0.000	0.000										148.50	148.40	0.10			0.25%	3.25			
						0.000	0.000	0.000										147.00	146.90	0.10			0.15%				

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 1B

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: BASIN 1B  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END				STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS														
ALIGNMENT NAME							INCREMENTAL												TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)							TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	CROWN			RISE	HYD. GRAD.	PHYSICAL	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER				COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)																									FLOWLINE ELEVATION							
				CL_CR557						S-102	Type 5 Cl	230.00	0.749	0.122	0.091	11.02	0.84	7.22	0.185	0.000	1.34	0.18	159.89	3.83	156.06	153.03	3.03	1	18	1.316%	4.58	12.36	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 151.17								
1196+70.00	-35.00	Lt.	S-104				0.605	0.306	0.185										156.90	154.20	2.70			1.17%	7.00																
CL_CR557				S-103	Type 5 Cl	72.50	0.509	0.184	0.094	10.00	1.29	7.45	0.094	0.000	0.70	0.03	159.89	3.79	155.40	152.70	2.70			0.15%																	
CL_CR557				S-102	Type 5 Cl	72.50	0.509	0.184	0.094	10.00	1.29	7.45	0.094	0.000	0.70	0.03	159.89	3.79	156.11	156.06	0.05	1	18	0.064%	0.93	5.99															
1196+70.00	35.00	Rt.	S-102				0.509	0.184	0.094										157.10	156.90	0.20			0.28%	3.39																
CL_CR557				S-104	Type 5 Cl	45.27	0.749	0.170	0.128	11.89	0.16	7.04	0.313	0.000	2.20	0.03	156.91	3.58	155.60	155.40	0.20			0.15%																	
CL_CR557				S-106	Type 5 Cl	45.27	0.656	0.477	0.313	11.89	0.16	7.04	0.313	0.000	2.20	0.03	156.91	3.58	153.33	152.76	0.57	1	18	1.264%	4.86	10.73															
1199+00.00	-35.00	Lt.	S-106				0.656	0.477	0.313										154.20	153.80	0.40			0.88%	6.07																
CL_CR557				S-105	Type 5 Cl	45.27	0.627	0.351	0.220	10.00	0.44	7.45	0.220	0.000	1.64	0.10	156.91	3.52	152.70	152.30	0.40			0.15%																	
CL_CR557				S-107	Type 5 Cl	45.27	0.627	0.351	0.220	10.00	0.44	7.45	0.220	0.000	1.64	0.10	156.91	3.52	153.39	153.29	0.09	1	18	0.209%	1.73	7.58															
1199+00.00	35.00	Rt.	S-107				0.627	0.351	0.220										154.20	154.00	0.20			0.44%	4.29																
CL_CR557				S-106	Type 6 Cl	55.75	0.757	0.253	0.191	12.04	0.26	7.01	0.891	0.000	6.25	0.33	156.80	5.13	152.70	152.50	0.20			0.15%																	
CL_CR557				S-107	Type 6 Cl	55.75	0.672	1.326	0.891	12.04	0.26	7.01	0.891	0.000	6.25	0.33	156.80	5.13	151.67	151.17	0.50	1	18	0.595%	3.53	8.37															
1199+45.27	-35.00	Lt.	OUT-106				0.672	1.326	0.891										150.80	150.50	0.30			0.54%	4.74																
CL_CR557				S-107	Type 6 Cl	72.50	0.680	0.246	0.167	10.36	0.31	7.36	0.387	0.000	2.85	0.27	156.80	3.50	149.30	149.00	0.30			0.15%																	
CL_CR557				S-106	Type 6 Cl	72.50	0.649	0.597	0.387	10.36	0.31	7.36	0.387	0.000	2.85	0.27	156.80	3.50	153.29	152.74	0.55	1	18	0.761%	3.95	5.99															
1199+45.27	35.00	Rt.	S-106				0.649	0.597	0.387										153.80	153.60	0.20			0.28%	3.39																
CL_CR557				S-106	Type 6 Cl	72.50	0.649	0.597	0.387	10.36	0.31	7.36	0.387	0.000	2.85	0.27	156.80	3.50	152.30	152.10	0.20			0.15%																	

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 1C

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: BASIN 1C  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)										CROWN								
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER																		UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	RISE	HYD. GRAD.	PHYSICAL
						FREQUENCY (yrs): 10.00 Year																				
																		MANNINGS n: 0.012			TAILWATER EL. (ft): 151.17					
CL_CR557			S-108	Type 5 Cl	54.35	0.749	0.379	0.284	31.23	0.21	4.76	6.068	0.000	28.89	0.86	158.06	5.96	152.10	151.17	0.93	1	36	1.716%	4.35	31.08	
1201+00.00	-35.00	Lt	OUT-108			0.415	14.620	6.068										151.60	151.50	0.10			0.18%	4.40		
CL_CR557			S-109	Type 5 Cl	72.50	0.607	0.434	0.264	10.00	0.34	7.45	0.264	0.000	1.96	0.14	158.06	4.13	148.60	148.50	0.10	1	18	0.06%	3.53	5.99	
1201+00.00	35.00	Rt	S-108			0.607	0.434	0.264										153.94	153.53	0.41			0.561%	3.39		
CL_CR557			S-110	Type 5 Cl	300.13	0.763	0.126	0.096	29.92	1.32	4.86	5.521	0.000	26.83	0.01	163.34	10.82	154.70	154.50	0.20	1	36	0.28%	3.80	18.70	
1204+00.00	-35.00	Lt	S-108			0.400	13.806	5.521										153.20	153.00	0.20			0.15%	2.65		
CL_CR557			S-111	Type 5 Cl	72.50	0.553	0.166	0.092	10.00	0.45	7.45	0.092	0.000	0.68	0.08	163.34	4.42	152.52	152.10	0.42	1	18	0.07%	3.39	5.99	
1204+00.00	35.00	Rt	S-110			0.553	0.166	0.092										151.80	151.60	0.20			0.28%	3.39		
CL_CR557			S-112	Type 5 Cl	400.04	0.779	0.363	0.283	28.16	1.77	5.00	5.333	0.000	26.67	0.10	159.93	6.76	148.80	148.60	0.20	1	36	0.06%	3.77	16.20	
1208+00.00	-35.00	Lt	S-110			0.395	13.515	5.333										158.92	158.60	0.32			0.441%	2.68		
CL_CR557			S-113	Type 5 Cl	72.50	0.447	0.823	0.368	10.00	0.31	7.45	0.368	0.000	2.74	0.17	159.93	3.93	160.00	159.80	0.20	1	18	0.28%	3.39	5.99	
1208+00.00	35.00	Rt	S-112			0.447	0.823	0.368										158.50	158.30	0.20			0.15%	2.65		
CL_CR557			S-114	Type C DBI	55.42	0.346	1.331	0.461	10.00	0.48	7.45	0.461	0.000	3.43	0.06	156.39	1.23	155.16	155.05	0.11	1	18	0.186%	1.94	4.85	
1209+10.00	43.00	Rt	S-116			0.346	1.331	0.461										156.00	155.53	0.47			0.648%	3.90		
CL_CR557			S-115	Type 6 Cl	165.26	0.873	0.265	0.232	27.34	0.82	5.07	4.682	0.000	23.73	0.18	158.36	4.83	155.10	155.00	0.10	1	36	0.06%	2.74	17.82	
1209+65.22	-35.00	Lt	S-112			0.380	12.328	4.682										153.60	153.50	0.10			0.15%	3.36		
CL_CR557			S-116	Type 6 Cl	72.50	0.434	0.881	0.382	10.48	0.23	7.34	0.843	0.000	6.19	0.38	158.36	3.31	153.50	153.30	0.20	1	18	1.088%	5.17	5.99	
1209+65.22	35.00	Rt	S-115			0.381	2.212	0.843										155.05	154.26	0.79			0.28%	3.39		
CL_CR557			S-117	Type 5 Cl	134.82	0.811	0.194	0.157	26.48	0.86	5.14	3.608	0.000	18.56	0.02	158.83	5.19	155.00	154.80	0.20	1	36	0.15%	2.63	19.73	
1211+00.00	-35.00	Lt	S-115			0.366	9.851	3.608										153.64	153.53	0.11			0.076%	2.79		
CL_CR557			S-118	Type 5 Cl	72.50	0.410	0.377	0.154	10.00	0.40	7.45	0.154	0.000	1.15	0.10	158.83	4.28	152.20	152.10	0.10	1	18	0.07%	3.02	5.99	
1211+00.00	35.00	Rt	S-117			0.410	0.377	0.154										154.55	154.20	0.35			0.486%	3.39		
CL_CR557			S-119	Type 5 Cl	300.12	0.749	0.189	0.142	24.45	2.01	5.33	3.296	0.000	17.57	0.03	158.83	4.98	155.50	155.30	0.20	1	36	0.15%	2.49	18.70	
1214+00.00	-35.00	Lt	S-117			0.355	9.280	3.296										153.85	153.64	0.21			0.059%	2.65		
CL_CR557			S-120	Type 5 Cl	72.50	0.297	0.666	0.198	10.00	0.37	7.45	0.198	0.000	1.47	0.12	158.83	4.20	152.40	152.20	0.20	1	18	0.07%	3.27	5.99	
1214+00.00	35.00	Rt	S-119			0.297	0.666	0.198										154.63	154.25	0.38			0.520%	3.39		
CL_CR557			S-121	Type 5 Cl	150.04	0.749	0.189	0.142	23.33	1.10	5.44	2.956	0.000	16.08	0.48	158.23	3.82	155.50	155.30	0.20	1	36	0.15%	2.27	18.70	
1215+50.00	-35.00	Lt	S-119			0.351	8.424	2.956										154.41	153.85	0.56			0.070%	2.65		
CL_CR557			S-122	Type 5 Cl	72.50	0.258	0.909	0.234	10.00	1.06	7.45	0.234	0.000	1.75	0.03	158.23	3.78	152.50	152.40	0.10	1	18	0.07%	1.14	5.99	
1215+50.00	35.00	Rt	S-121			0.258	0.909	0.234										149.50	149.40	0.10			0.06%	3.39		
CL_CR557			S-123	Type 5 Cl	125.02	0.749	0.158	0.118	22.61	0.72	5.51	2.580	0.000	14.22	0.06	157.73	3.13	154.45	154.41	0.04	1	30	0.057%	2.90	12.60	
1216+75.00	-35.00	Lt	S-121			0.352	7.325	2.580										154.90	154.70	0.20			0.28%	2.57		
CL_CR557			S-124	Type 5 Cl	72.50	0.239	0.919	0.220	10.00	1.31	7.45	0.220	0.000	1.64	0.01	157.73	3.10	153.40	153.20	0.20	1	18	0.15%	0.93	5.99	
1216+75.00	35.00	Rt	S-123			0.239	0.919	0.220										154.60	154.41	0.19			0.089%	2.56		
CL_CR557			S-125	Type 5 Cl	125.00	0.749	0.158	0.118	21.66	0.81	5.62	2.242	0.000	12.59	0.06	157.23	2.47	154.76	154.60	0.16	1	30	0.080%	2.56	12.60	
1218+00.00	-35.00	Lt	S-123			0.359	6.248	2.242										152.20	152.10	0.10			0.08%	2.57		
CL_CR557			S-126	Type 5 Cl	72.50	0.229	1.039	0.238	10.00	1.21	7.45	0.238	0.000	1.77	0.02	157.23	2.44	149.70	149.60	0.10	1	18	0.294%	1.00	5.99	
1218+00.00	35.00	Rt	S-125			0.229	1.039	0.238										154.79	154.76	0.03			0.08%	3.39		
CL_CR557			S-127	Type 5 Cl	50.00	0.246	0.946	0.232	10.00	0.85	7.45	0.232	0.000	1.73	0.01	156.83	0.45	153.90	153.70	0.20	1	18	0.15%	0.98	7.22	
1218+00.00	35.00	Rt	S-128			0.246	0.946	0.232										156.38	156.36	0.03			0.436%	0.98		
1218+00.00	35.00	Rt	S-128			0.246	0.946	0.232										154.10	153.90	0.20	1	18	0.40%	1.00	7.22	

**STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 1C

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: BASIN 1C  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC  
Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
STATION	OFFSET DISTANCE (ft)	SIDE				COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)										CROWN								
			INCREMENTAL	CUMULATIVE	UPPER END ELEVATION (ft)				FLOWLINE ELEVATION	LOWER END ELEVATION (ft)	FALL (ft)	PHYSICAL	MIN. PHYSICAL	HYD. GRAD.	PHYSICAL											
1219+00.00			S-128	Type 5 CI	50.00	0.330	0.623	0.206	10.85	0.46	7.25	0.438	0.000	3.18	0.01	156.63	0.27	152.60	152.40	0.20	1	18	0.15%	1.80	7.22	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 151.17
1219+50.00	35.00	RL	S-130			0.279	1.569	0.438										156.36	156.31	0.04			0.434%	1.80		
1220+00.00			S-129	Type 6 CI	200.00	0.759	0.434	0.329	20.15	1.50	5.79	1.886	0.000	10.91	0.67	156.43	0.88	152.40	152.20	0.20	1	30	0.15%	2.22	14.09	
1220+00.00	-35.00	LL	S-125			0.373	5.051	1.886										155.55	154.76	0.79			0.108%	2.87		
1220+00.00	35.00	RL	S-130	Type 6 CI	72.50	0.262	1.021	0.267	11.32	0.58	7.16	0.911	0.000	6.52	0.71	156.43	0.12	152.40	152.20	0.20	1	24	0.286%	2.08	12.91	
1220+00.00	35.00	RL	S-129			0.269	3.387	0.911										149.90	149.70	0.20			0.08%	4.11		
1220+50.00	35.00	RL	S-131	Type 5 CI	50.00	0.258	0.797	0.205	10.00	0.96	7.45	0.205	0.000	1.53	0.01	156.58	0.25	156.31	156.31	0.02	1	18	0.219%	0.87	5.10	
1220+50.00	35.00	RL	S-130			0.258	0.797	0.205										153.80	153.70	0.10			0.20%	2.89		
1221+50.00	-35.00	LL	S-129	Type 5 CI	150.00	0.808	0.181	0.146	18.99	1.15	5.93	0.645	0.000	3.83	0.12	156.88	1.04	152.30	152.20	0.10	1	18	0.268%	2.16	5.89	
1221+50.00	-35.00	LL	S-129			0.525	1.229	0.645										151.80	151.40	0.40			0.15%	3.33		
1221+50.00	35.00	RL	S-133	Type 5 CI	72.50	0.286	0.700	0.200	10.00	1.43	7.45	0.200	0.000	1.49	0.01	156.88	1.02	155.86	155.84	0.02	1	18	0.285%	0.84	5.99	
1221+50.00	35.00	RL	S-132			0.286	0.700	0.200										154.10	153.90	0.20			0.28%	3.39		
1223+00.00	-35.00	LL	S-132	Type 5 CI	150.00	0.868	0.135	0.117	16.62	2.37	6.24	0.299	0.000	1.87	0.00	157.33	1.45	152.60	152.40	0.20	1	18	0.412%	1.06	7.22	
1223+00.00	-35.00	LL	S-132			0.857	0.349	0.299										154.50	153.90	0.60			0.40%	4.08		
1223+00.00	-35.00	LL	S-132			0.873	0.124	0.109										153.00	152.40	0.60			0.15%	0.68		
1224+10.00	-35.00	LL	S-134	Type 5 CI	110.00	0.850	0.214	0.182	13.94	2.68	6.66	0.182	0.000	1.21	0.01	157.66	1.76	155.90	155.88	0.02	1	18	0.188%	0.68	4.87	
1224+10.00	-35.00	LL	S-134			0.850	0.214	0.182										154.70	154.50	0.20			0.18%	2.75		
1224+10.00	35.00	RL	S-135	Type 5 CI	72.50	0.818	0.089	0.073	10.00	3.93	7.45	0.073	0.000	0.54	0.00	157.66	1.75	153.20	153.00	0.20	1	18	0.287%	0.31	5.99	
1224+10.00	35.00	RL	S-135			0.818	0.089	0.073										155.91	155.90	0.00			0.28%	3.39		
1224+10.00	35.00	RL	S-135			0.818	0.089	0.073										154.90	154.70	0.20			0.28%	3.39		
1224+10.00	35.00	RL	S-135			0.818	0.089	0.073										153.40	153.20	0.20			0.15%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 2

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 2  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END		STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME	STATION				OFFSET DISTANCE (ft)	SIDE	UPPER LOWER										COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)							
		INCREMENTAL	CUMULATIVE	CROWN																						
ZONE: Zone 8																										
FREQUENCY (yrs): 10.00 Year																										
MANNINGS n:																										
TAILWATER EL. (ft): 133.51																										
CL_CR557			S-200	Type 5 CI	75.32	0.818	0.125	0.102	10.00	1.65	7.45	0.102	0.000	0.76	0.02	157.54	3.59	153.95	153.93	0.03	1	18	0.033%	0.76	5.88	
1226+30.00	35.00	Rt.	S-201	Type 5 CI	150.58	0.818	0.125	0.102	11.39	0.71	7.14	0.277	0.000	1.98	0.18	157.48	3.55	154.80	154.60	0.20	1	18	0.27%	3.33	5.09	
CL_CR557		S-201	0.873			0.201	0.175	153.30										153.10	0.20	0.15%			3.54			
1226+50.00	-35.00	Lt.	S-203	Type 5 CI	84.50	0.851	0.325	0.277	12.91	1.14	6.84	0.296	0.000	2.03	0.05	156.79	3.80	154.60	154.30	0.30	1	18	0.20%	2.88	5.55	
CL_CR557		S-202	0.832			0.204	0.169	153.30										153.10	0.20	0.15%			1.23			
1228+00.00	47.00	Rt.	S-203	Type 5 CI	300.00	0.822	0.361	0.296	13.98	0.90	6.66	0.743	0.000	4.94	0.44	157.03	4.11	152.99	152.92	0.07	1	18	0.080%	1.23	9.77	
CL_CR557		S-203	0.851			0.199	0.169	153.30										153.10	0.20	0.15%			3.14			
1228+00.00	-35.00	Lt.	S-205	Type 5 CI	120.00	0.839	0.885	0.743	10.00	3.18	7.45	0.127	0.000	0.95	0.01	156.23	3.23	151.80	151.60	0.20	1	18	0.73%	5.53	4.66	
CL_CR557		S-204	0.809			0.157	0.127	153.01										152.99	0.02	0.15%			0.63			
1229+20.00	47.00	Rt.	S-202	Type 5 CI	300.25	0.809	0.157	0.127	16.71	0.50	6.23	1.040	0.000	6.48	0.06	153.62	3.03	153.50	153.30	0.20	1	18	0.17%	2.64	19.64	
CL_CR557		S-205	0.784			0.380	0.298	152.00										151.80	0.20	0.15%			2.64			
1231+00.00	-35.00	Lt.	S-207	Type 5 CI	72.50	0.823	1.264	1.040	10.00	0.28	7.45	0.480	0.000	3.57	0.20	145.59	3.83	150.59	141.09	9.50	1	18	3.164%	10.01	5.99	
CL_CR557		S-206	0.846			0.567	0.480	150.90										142.00	8.90	2.96%			11.12			
1234+00.00	35.00	Rt.	S-207	Type 5 CI	113.53	0.846	0.567	0.480	26.35	0.47	5.15	9.811	0.000	50.58	0.59	145.59	11.37	149.40	140.50	8.90	1	48	0.15%	3.39	153.59	
CL_CR557		S-207	0.875			0.401	0.351	134.22										133.51	0.71	1.016%			4.02			
1234+00.00	-35.00	Lt.	OUT-207	Type 5 CI	84.50	0.826	16.664	9.811	10.00	1.15	7.45	0.292	0.000	2.17	0.02	137.42	2.88	128.00	126.90	1.10	1	18	0.97%	12.22	5.55	
CL_CR557		S-208	0.843			0.346	0.292	142.20										142.00	0.20	0.04%			3.14			
1237+00.00	47.00	Rt.	S-209	Type 5 CI	300.65	0.843	0.346	0.292	24.85	1.50	5.29	7.940	0.000	42.02	0.05	137.66	3.18	132.80	132.60	0.20	1	48	0.15%	3.34	40.24	
CL_CR557		S-209	0.822			0.386	0.318	134.48										134.22	0.26	0.063%			3.34			
1237+00.00	-35.00	Lt.	S-207	Type 5 CI	36.00	0.591	13.431	7.940	10.00	0.74	7.45	0.192	0.000	1.43	0.01	135.53	0.39	132.10	131.90	0.20	1	18	0.07%	3.20	6.01	
CL_CR557		S-210	0.925			0.207	0.192	135.14										135.12	0.02	0.311%			0.81			
1238+50.00	47.00	Rt.	S-212	Type 5 CI	150.80	0.925	0.207	0.192	24.01	0.80	5.37	7.331	0.000	39.39	0.01	135.77	1.18	132.80	132.70	0.10	1	48	0.28%	3.40	40.18	
CL_CR557		S-211	0.783			0.178	0.140	131.30										131.20	0.10	0.15%			3.13			
1238+50.00	-35.00	Lt.	S-209	Type 5 CI	84.69	0.577	12.699	7.331	10.74	1.33	7.28	0.459	0.000	3.34	0.02	135.44	0.32	134.59	134.48	0.11	1	24	0.064%	3.13	11.94	
CL_CR557		S-212	0.921			0.290	0.267	132.30										132.10	0.20	0.07%			3.20			
1238+86.00	47.00	Rt.	S-213	Type 6 CI	42.05	0.923	0.498	0.459	23.83	0.17	5.39	7.191	0.000	38.76	0.44	135.68	0.60	130.30	130.10	0.20	1	42	0.10%	3.80	53.30	
CL_CR557		S-213	0.845			0.238	0.201	135.08										134.59	0.49	0.259%			4.03			
1238+91.49	-35.00	Lt.	S-211	Type 5 CI	72.50	0.574	12.521	7.191	10.51	0.57	7.33	0.515	0.000	3.77	0.09	136.87	0.68	132.10	132.00	0.10	1	18	0.24%	5.54	5.99	
CL_CR557		S-214	0.820			0.058	0.047	128.60										128.50	0.10	0.05%			5.54			
1240+40.00	35.00	Rt.	S-215	Type 5 CI	148.27	0.340	1.515	0.515	23.34	0.49	5.44	6.531	0.000	35.52	0.57	136.87	0.85	136.19	136.02	0.17	1	36	0.294%	2.13	65.18	
CL_CR557		S-215	0.879			0.415	0.364	132.90										132.70	0.20	0.28%			3.39			
1240+40.00	-35.00	Lt.	S-213	Type 5 CI	72.50	0.554	11.785	6.531	10.00	0.61	7.45	0.473	0.000	3.52	0.06	141.88	1.80	131.40	131.20	0.20	1	18	0.15%	3.39	5.99	
CL_CR557		S-216	0.320			1.478	0.473	136.02										135.08	0.93	0.824%			5.03			
1243+50.00	35.00	Rt.	S-217	Type 5 CI	310.15	0.320	1.478	0.473	22.73	0.39	5.50	5.652	0.000	31.10	0.57	141.88	1.94	140.08	139.95	0.13	1	18	0.292%	1.99	38.59	
CL_CR557		S-217	0.853			0.395	0.337	139.10										138.90	0.20	0.28%			3.39			
1243+50.00	-35.00	Lt.	S-215	Type 5 CI	72.50	0.573	9.855	5.652	10.00	0.57	7.45	0.506	0.000	3.76	0.07	149.23	1.96	137.40	137.40	0.20	1	30	0.15%	13.13	5.99	
CL_CR557		S-218	0.373			1.357	0.506	139.95										131.92	8.03	2.590%			13.13			
1246+50.00	35.00	Rt.	S-219	Type 5 CI	300.00	0.373	1.357	0.506	22.28	0.38	5.55	4.842	0.000	26.87	0.72	149.23	2.12	139.90	133.20	6.70	1	18	2.16%	13.34	38.59	
CL_CR557		S-219	0.761			0.379	0.288	147.27										147.11	0.15	0.281%			2.13			
1246+50.00	-35.00	Lt.	S-217	Type 5 CI	300.00	0.607	7.982	4.842	10.00	0.38	5.55	4.842	0.000	26.87	0.72	149.23	2.12	147.11	138.33	8.78	1	24	2.928%	13.26	38.59	
CL_CR557		S-217	0.607			7.982	4.842	145.00										144.80	0.20	0.15%			3.39			

**STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 2

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 2  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS												
ALIGNMENT NAME						COMPOSITE C VALUE	AREA	SUB-TOTAL C°A										UPPER END ELEVATION (ft)	FLOWLINE ELEVATION	FALL (ft)							RISE	HYD. GRAD.	PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	ZONE: Zone 8						
STATION	OFFSET DISTANCE (ft)	SIDE																															CUMULATIVE	CROWN	FLOWLINE ELEVATION	PHYSICAL	MIN. PHYSICAL	FREQUENCY (yrs): 10.00 Year
1247+50.00		LL	S-221	Type 5 CI	72.50	0.530	0.855	0.453	10.00	0.63	7.45	0.453	0.000	3.38	0.06	156.73	2.28	144.50	137.10	7.40	1	18	0.10%	1.91														
1249+50.00	35.00	RL	S-221	Type 5 CI	72.50	0.530	0.855	0.453	10.00	0.63	7.45	0.453	0.000	3.38	0.06	156.73	2.28	154.45	154.33	0.12	1	18	0.293%	1.91	5.99													
			S-221	Type 5 CI	72.50	0.530	0.855	0.453	10.00	0.63	7.45	0.453	0.000	3.38	0.06	156.73	2.28	154.00	153.80	0.20	1	18	0.28%	3.39														
			S-221	Type 5 CI	72.50	0.530	0.855	0.453	10.00	0.63	7.45	0.453	0.000	3.38	0.06	156.73	2.28	152.50	152.30	0.20	1	18	0.15%	1.91														
			S-221	Type 5 CI	72.50	0.791	0.242	0.191	21.84	0.39	5.60	4.048	0.000	22.65	0.54	156.73	2.40	154.33	145.60	8.73	1	24	2.911%	12.84	38.85													
1249+50.00	-35.00	LL	S-219	Type 5 CI	300.00	0.648	6.247	4.048	21.84	0.39	5.60	4.048	0.000	22.65	0.54	156.73	2.40	154.00	146.50	7.50	1	24	2.50%	12.37														
			S-222	Type 5 CI	300.00	0.648	6.247	4.048	21.84	0.39	5.60	4.048	0.000	22.65	0.54	156.73	2.40	152.00	144.50	7.50	1	24	0.10%	1.86	6.80													
			S-222	Type 5 CI	300.00	0.651	0.464	0.302	13.44	0.76	6.75	0.486	0.000	3.28	0.08	159.61	2.15	157.45	157.30	0.15	1	18	0.371%	1.86														
1251+50.00	47.00	RL	S-223	Type 5 CI	84.50	0.614	0.792	0.486	13.44	0.76	6.75	0.486	0.000	3.28	0.08	159.61	2.15	156.90	156.60	0.30	1	18	0.36%	3.85	6.80													
			S-223	Type 5 CI	84.50	0.614	0.792	0.486	13.44	0.76	6.75	0.486	0.000	3.28	0.08	159.61	2.15	155.40	155.10	0.30	1	18	0.15%	1.86														
			S-223	Type 5 CI	84.50	0.853	0.257	0.220	21.45	0.32	5.64	3.403	0.000	19.19	0.57	159.85	2.54	157.30	153.15	4.16	1	24	2.078%	10.28	30.59													
1251+50.00	-35.00	LL	S-221	Type 5 CI	200.00	0.661	5.150	3.403	21.45	0.32	5.64	3.403	0.000	19.19	0.57	159.85	2.54	157.10	154.00	3.10	1	24	1.55%	9.74														
			S-224	Type 5 CI	200.00	0.661	5.150	3.403	21.45	0.32	5.64	3.403	0.000	19.19	0.57	159.85	2.54	155.10	152.00	3.10	1	24	0.10%	1.86														
			S-224	Type 8 MH	135.00			0.000	10.00	2.91	7.45	0.184	0.000	1.37	0.01	160.85	3.36	157.49	157.45	0.03	1	18	0.024%	0.77	7.61													
1252+85.00	48.25	RL	S-222	Type 8 MH	135.00			0.000	10.00	2.91	7.45	0.184	0.000	1.37	0.01	160.85	3.36	157.50	156.90	0.60	1	18	0.44%	4.30	7.61													
			S-222	Type 8 MH	135.00			0.000	10.00	2.91	7.45	0.184	0.000	1.37	0.01	160.85	3.36	156.00	155.40	0.60	1	18	0.15%	0.77														
			S-225	Type C DBI	25.75	0.561	0.328	0.184	10.00	0.55	7.45	0.184	0.000	1.37	0.01	162.32	4.82	157.50	157.49	0.01	1	18	0.049%	0.78	10.06													
1252+85.00	74.00	RL	S-224	Type C DBI	25.75	0.561	0.328	0.184	10.00	0.55	7.45	0.184	0.000	1.37	0.01	162.32	4.82	157.70	157.50	0.20	1	18	0.78%	5.69	10.06													
			S-226	Type C DBI	25.75	0.561	0.328	0.184	10.00	0.55	7.45	0.184	0.000	1.37	0.01	162.32	4.82	156.20	156.00	0.20	1	18	0.15%	2.39														
			S-226	Type 5 CI	72.50	0.851	0.230	0.196	20.33	0.50	5.77	1.305	0.000	7.52	0.10	161.54	2.26	159.28	159.10	0.17	1	24	0.148%	2.91	9.13													
1253+60.00	35.00	RL	S-227	Type 5 CI	72.50	0.549	2.376	1.305	20.33	0.50	5.77	1.305	0.000	7.52	0.10	161.54	2.26	158.80	158.70	0.10	1	24	0.14%	2.91														
			S-227	Type 5 CI	72.50	0.549	2.376	1.305	20.33	0.50	5.77	1.305	0.000	7.52	0.10	161.54	2.26	156.80	156.70	0.10	1	24	0.10%	2.91														
			S-227	Type 5 CI	72.50	0.872	0.321	0.280	20.84	0.47	5.71	2.698	0.000	15.39	0.96	161.54	2.44	159.10	156.35	2.76	1	24	1.312%	7.46	21.45													
1253+60.00	-35.00	LL	S-223	Type 5 CI	210.00	0.658	4.101	2.698	20.84	0.47	5.71	2.698	0.000	15.39	0.96	161.54	2.44	158.70	157.10	1.60	1	24	0.76%	6.83														
			S-228	Type 5 CI	210.00	0.658	4.101	2.698	20.84	0.47	5.71	2.698	0.000	15.39	0.96	161.54	2.44	156.70	155.10	1.60	1	24	0.10%	6.83														
			S-228	Type C DBI	40.28	0.517	2.146	1.109	20.00	0.33	5.80	1.109	0.000	6.44	0.07	161.04	1.67	159.37	159.28	0.09	1	24	0.265%	2.05	12.24													
1254+00.00	43.00	RL	S-226	Type C DBI	40.28	0.517	2.146	1.109	20.00	0.33	5.80	1.109	0.000	6.44	0.07	161.04	1.67	158.90	158.80	0.10	1	24	0.25%	3.90														
			S-226	Type C DBI	40.28	0.517	2.146	1.109	20.00	0.33	5.80	1.109	0.000	6.44	0.07	161.04	1.67	156.90	156.80	0.10	1	24	0.10%	3.90														
			S-229	Type 5 CI	72.50	0.778	0.228	0.177	10.00	1.62	7.45	0.177	0.000	1.32	0.01	163.78	2.81	160.97	160.95	0.02	1	18	0.026%	0.75	5.99													
1256+00.00	35.00	RL	S-230	Type 5 CI	72.50	0.778	0.228	0.177	10.00	1.62	7.45	0.177	0.000	1.32	0.01	163.78	2.81	161.00	160.80	0.20	1	18	0.28%	3.39														
			S-230	Type 5 CI	72.50	0.778	0.228	0.177	10.00	1.62	7.45	0.177	0.000	1.32	0.01	163.78	2.81	159.50	159.30	0.20	1	18	0.15%	3.39														
			S-230	Type 5 CI	240.00	0.813	0.279	0.227	13.01	0.60	6.83	1.113	0.000	7.60	0.55	163.78	2.83	160.95	158.02	2.93	1	18	1.222%	6.70	10.92													
1256+00.00	-35.00	LL	S-227	Type 5 CI	240.00	0.792	1.405	1.113	13.01	0.60	6.83	1.113	0.000	7.60	0.55	163.78	2.83	160.80	158.60	2.20	1	18	0.92%	6.18														
			S-231	Type 5 CI	72.50	0.778	0.126	0.098	10.00	2.53	7.45	0.098	0.000	0.73	0.01	165.98	3.26	159.30	157.10	2.20	1	18	0.15%	6.18														
			S-231	Type 5 CI	72.50	0.778	0.126	0.098	10.00	2.53	7.45	0.098	0.000	0.73	0.01	165.98	3.26	162.72	162.71	0.01	1	18	0.010%	0.48														
1258+20.00	35.00	RL	S-232	Type 5 CI	72.50	0.778	0.126	0.098	10.00	2.53	7.45	0.098	0.000	0.73	0.01	165.98	3.26	163.20	163.00	0.20	1	18	0.28%	3.39	5.99													
			S-232	Type 5 CI	72.50	0.778	0.126	0.098	10.00	2.53	7.45	0.098	0.000	0.73	0.01	165.98	3.26	161.70	161.50	0.20	1	18	0.15%	3.39														
			S-232	Type 5 CI	220.00	0.803	0.152	0.122	12.30	0.59	6.96	0.709	0.000	4.93	0.32	165.98	3.27	162.71	159.99	2.72	1	18	1.237%	6.24	11.41													
1258+20.00	-35.00	LL	S-230	Type 5 CI	220.00	0.790	0.898	0.709	12.30	0.59	6.96	0.709	0.000	4.93	0.32	165.98	3.27	163.00	160.80	2.20	1	18	1.00%	6.46														
			S-230	Type 5 CI	220.00	0.790	0.898	0.709	12.30	0.59	6.96	0.709	0.000	4.93	0.32	165.98	3.27	161.50	159.30	2.20	1	18	0.15%	6.46														
			S-233	Type 5 CI	46.00	0.771	0.062	0.048	10.56	0.68	7.32	0.219	0.000	1.60	0.03	167.90	3.83	164.07	164.03	0.04	1	18	0.091%	1.12	5.32													
1259+40.00	11.00	RL	S-234	Type 5 CI	46.00	0.772	0.284	0.219	10.56	0.68	7.32	0.219	0.000	1.60	0.03	167.90	3.83	164.50	164.40	0.10	1	18	0.22%	3.01														
			S-234	Type 5 CI	46.00	0.772	0.284																															



**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin3 - CD-1B

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: CD-1B  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END		STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME					UPPER LOWER	COMPOSITE C VALUE	AREA										SUB-TOTAL (C'A)	CROWN	FLOWLINE ELEVATION							
STATION	OFFSET DISTANCE (ft)	SIDE	PHYSICAL	MIN. PHYSICAL				PHYSICAL VELOCITY (fps)	PHYSICAL VELOCITY (fps)	Zone	FREQUENCY (yrs)	MANNINGS n	TAILWATER EL. (ft)													
CL_CR557		CD-1A	Type D DBI	125.02	0.000	0.000	0.000	0.00	0.04	0.00	0.000	0.000	100.00	49.76	141.57	-134.94	276.51	134.65	141.86	1	18	66.735%	56.59	26.02		
1274+65.00	-56.69	LL	CD-1B		0.000	0.000	0.000										140.80	132.20	8.60			5.20%				
																	135.30	128.80	6.50			0.15%				

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin3 - CD-2B

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: CD-2B  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C* <i>A</i> )	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT				NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS	
ALIGNMENT NAME	STATION	OFFSET DISTANCE (ft)				COMPOSITE C VALUE	AREA	SUB-TOTAL (C* <i>A</i> )										FLOWLINE ELEVATION		UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)						FALL (ft)	RISE
			UPPER	LOWER	HYD. GRAD.				PHYSICAL	FREQUENCY (yrs): 10.00 Year	MANNINGS n: 0.012																	
CL	CR557																										TAILWATER EL. (ft): 134.65	
			CD-2A	EWSCN36RCPD-o	145.34	0.000	0.000	0.000	0.00	0.34	0.00	0.000	0.000	100.00	0.78	129.30	-6.77	136.07	134.65	1.42	2	36	0.414%	7.07	32.92			
1292+80.00	-80.84	Lt.	CD-2B			0.000	0.000	0.000										132.30	132.00	0.30			0.21%	4.66				
																		129.30	129.00	0.30			0.06%					

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin3A

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 3A  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END				STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	NOTES AND REMARKS																																																																																																																																																																																			
ALIGNMENT NAME							COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)										CROWN																																																																																																																																																																																										
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER	Type 5 Cl	154.66	0.807				0.527	0.426	10.00	0.29	7.45	0.426	0.000	3.17	0.17	161.20	3.22	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	1	18	3.941%	8.74	ZONE: Zone 8																																																																																																																																																																																	
							157.98	151.89	6.09												158.50	153.00	5.50						157.00	151.50	5.50	HYD. GRAD.	156.38	152.78	3.60	4.389%	8.85	156.90	153.90	3.00	3.66%	12.35	155.40	152.40	3.00	0.15%	2.19%	2.12	17.88	2.46%	10.12	153.90	153.00	0.90	0.15%	4.715%	10.93	153.60	148.65	4.95	3.33%	11.79	20.83	0.15%	2.463%	4.92	149.50	148.60	0.90	2.25%	9.69	148.00	147.10	0.90	0.15%	1.011%	5.08	149.50	148.51	0.98	0.97%	6.34	11.21	0.15%	2.903%	10.32	148.51	141.11	7.41	2.39%	9.99	17.65	0.15%	2.299%	1.28	143.71	143.67	0.04	2.06%	9.26	16.37	0.15%	3.600%	10.45	143.67	136.66	7.01	2.05%	11.21	35.22	0.10%	2.114%	0.85	139.80	135.80	4.00	1.96%	9.03	15.96	0.15%	1.413%	5.02	139.61	139.59	0.02	1.40%	9.25	29.05	1.406%	0.71	137.28	137.27	0.02	1.30%	8.93	28.06	0.10%	1.406%	0.71	137.28	137.27	0.02	0.976%	3.26	137.27	135.80	1.47	0.97%	8.94	43.88	0.08%	0.177%	0.30	137.29	137.28	0.00	0.18%	3.33	10.45	0.10%	0.270%	0.16	137.29	137.29	0.00	0.25%	3.23	5.71	0.15%	0.999%	0.40	134.80	134.70	0.10	0.96%	6.33	11.18	0.15%	0.96%	6.33	133.30	133.20	0.10	0.25%	4.45	21.83	0.08%	0.118%	2.80	135.43	135.43	0.01	0.11%	3.46	24.49	0.06%	0.11%	3.46	132.60	132.40	0.20	0.146%	2.54	26.91	0.06%
1266+38.00				LT	S-303	Type 5 Cl	154.66	0.807	0.527	0.426	10.00	0.29	7.45	0.426	0.000	3.17	0.17	161.20	3.22	157.98	151.89	6.09	1	18	3.941%	8.74	21.52	ZONE: Zone 8																																																																																																																																																																																	
1267+00.00				LT	S-302			Type 5 Cl	81.95	0.811										0.522	0.423	10.00			0.15	7.45			0.423	0.000	3.15	0.16	159.71	3.33	156.38	152.78	3.60	1	18	4.389%	8.85	21.83	FREQUENCY (yrs): 10.00 Year																																																																																																																																																																		
1267+82.00				LT	S-303					Type 5 Cl										36.65	0.919														0.091	0.084	10.20			0.29	7.40			0.507	0.000	3.75	0.08	156.86	3.18	155.40	152.40	3.00	1	18	3.66%	12.35	17.88	MANNINGS n:																																																																																																																																																			
1267+95.00				LT	S-304	Type 5 Cl	105.00	0.827	0.613		0.507	10.48	0.16	7.34	1.088	0.000	7.98	0.88	155.71		2.11	153.68	153.60	0.08	1	18	2.46%	10.12	20.83	TAILWATER EL. (ft): 133.88																																																																																																																																																																															
1269+00.00				LT	S-305			Type 5 Cl	40.00	0.841	0.184									0.155		10.68	0.14	7.29			1.193	0.000			8.70	0.00	152.39	2.66	153.90	153.00	0.90	1	18	4.715%	10.93	17.12																																																																																																																																																																			
1269+40.00				LT	S-306	Type 5 Cl	72.50			0.821	1.325	1.088	10.82	0.24	7.26	1.237	0.000	8.98	0.53	151.31	1.82				153.60	149.50			3.50	1					18	3.33%	11.79			11.21																																																																																																																																																																					
1269+40.00				RT	S-308			Type 5 Cl	255.06	0.876	0.051	0.044										11.05	0.41	7.21	1.391	0.000	10.03	0.81	150.69		2.18	151.50	148.00	3.50		1	18	0.15%	9.69			17.65																																																																																																																																																																			
1272+00.00				RT	S-308	Type 5 Cl	34.00			0.917	0.168	0.154	10.00	0.44	7.45	0.304	0.000	2.27	0.03	145.21	1.50									149.50		148.51	0.98	1	18			1.011%	5.08	16.37																																																																																																																																																																					
1272+00.00				RT	S-310			Type 5 Cl	194.77	0.824	1.502	1.237										11.62	0.31	7.09	1.902	0.000	13.49	2.48	144.53	0.86	148.60	147.90	0.70			1	18	0.97%	6.34			35.22																																																																																																																																																																			
1272+00.00				RT	S-309	Type 5 Cl	46.00			0.833	1.669	1.391	11.62	0.31	7.09	1.902	0.000	13.49	2.48	144.53	0.86										147.10	146.40	0.70	1	18			0.15%	9.99	15.96																																																																																																																																																																					
1274+00.00				LT	S-310			Type 5 Cl	243.36	0.871	0.350	0.304										12.16	0.81	6.99	2.259	0.000	15.78	1.31	140.53	0.94	148.51	141.11	7.41			1	24	2.903%	10.32			29.05																																																																																																																																																																			
1274+00.00				RT	S-312	Type 5 Cl	46.00			0.824	1.502	1.237	20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42										147.90	141.80	6.10	1	24			2.39%	9.99	28.06																																																																																																																																																																					
1276+50.00				LT	S-312			Type 5 Cl	247.42	0.871	0.350	0.304										21.40	1.26	5.64	2.839	0.000	16.03	1.15	137.78	0.51	146.40	140.30	6.10			1	30	0.15%	9.99			43.88																																																																																																																																																																			
1276+50.00				RT	S-316	Type 5 Cl	110.66			0.832	0.249	0.207	14.20	6.09	6.62	0.144	0.000	0.95	0.00	138.04	0.75										143.71	143.67	0.04	1	24			2.299%	1.28	10.45																																																																																																																																																																					
1277+60.00				LT	S-311			Type 5 Cl	40.00	0.839	2.268	1.902										10.00	4.18	7.45	0.038	0.000	0.28	0.00	137.75	0.47	141.80	141.80	6.10			1	18	3.600%	10.45			5.71																																																																																																																																																																			
1278+00.00				LT	S-313	Type 5 Cl	125.02			0.771	0.260	0.201	22.66	0.61	5.51	3.054	0.000	16.83	0.01	136.53	0.73										141.00	140.30	0.70	1	18			2.05%	11.21	11.18																																																																																																																																																																					
1279+00.00				LT	S-317			Type 5 Cl	125.02	0.771	0.260	0.201										23.75	1.04	5.40	3.671	0.000	19.82	0.32	136.22	0.79	139.80	135.80	4.00			1	18	0.10%	9.25			29.05																																																																																																																																																																			
1279+00.00				RT	S-318	Type 5 Cl	125.02			0.771	0.260	0.201	23.75	1.04	5.40	3.671	0.000	19.82	0.32	136.22	0.79										139.61	139.59	0.02	1	18			1.413%	5.02	21.83																																																																																																																																																																					
1280+25.00				LT	S-319			Type 6 Cl	72.50	0.828	2.728	2.259										23.75	1.04	5.40	3.671	0.000	19.82	0.32	136.22	0.79	137.80	134.40	3.40			1	36	1.40%	9.25			24.49																																																																																																																																																																			
1280+25.00				RT	S-317	Type 6 Cl	175.02			0.750	0.322	0.241	23.75	1.04	5.40	3.671	0.000	19.82	0.32	136.22	0.79										137.28	137.27	0.02	1	30			1.406%	0.71	28.06																																																																																																																																																																					
1280+25.00				LT	S-318			Type 6 Cl	120.11	0.750	0.514	0.385										21.40	1.26	5.64	2.839	0.000	16.03	1.15	137.78	0.51	135.80	132.40	3.40			1	24	0.10%	9.25			29.05																																																																																																																																																																			
1280+25.00				RT	S-316	Type 5 Cl	120.11			0.769	0.254	0.196	21.40	1.26	5.64	2.839	0.000	16.03	1.15	137.78	0.51										135.00	134.40	0.60	1	24			1.30%	8.93	28.06																																																																																																																																																																					
1282+00.00				LT	S-321			Type 5 Cl	120.11	0.750	0.514	0.385										20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42	133.00	132.40	0.60			1	24	0.10%	9.25			29.05																																																																																																																																																																			
1282+00.00				RT	S-312	Type 5 Cl	46.00			0.750	0.514	0.385	20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42										132.40	132.40	0.00	1	24			1.406%	0.71	28.06																																																																																																																																																																					
1282+00.00				LT	S-316			Type 5 Cl	120.11	0.750	0.514	0.385										20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42	132.40	132.40	0.00			1	24	1.406%	0.71			28.06																																																																																																																																																																			
1282+00.00				RT	S-318	Type 5 Cl	120.11			0.750	0.514	0.385	20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42										132.40	132.40	0.00	1	24			1.406%	0.71	28.06																																																																																																																																																																					
1282+00.00				LT	S-321			Type 5 Cl	120.11	0.750	0.514	0.385										20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42	132.40	132.40	0.00			1	24	1.406%	0.71			28.06																																																																																																																																																																			
1282+00.00				RT	S-316	Type 5 Cl	120.11			0.750	0.514	0.385	20.31	1.08	5.77	0.385	0.000	2.22	0.01	138.70	1.42										132.40	132.40	0.00	1	24			1.40																																																																																																																																																																							

STORM SEWER TABULATION FORM

Financial Project ID: 18-73  
Description: Basin3A

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 3A  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC  
Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)		ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS						
ALIGNMENT NAME	STATION	OFFSET DISTANCE (ft)				SIDE	UPPER LOWER	COMPOSITE C VALUE										AREA	SUB-TOTAL C'A	CROWN			RISE	HYD. GRAD.				PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	ZONE: Zone 8		
																				UPPER END ELEVATION (ft)												LOWER END ELEVATION (ft)	FALL (ft)
CL CR557	1282+00.00	-35.00	RL	S-321	72.50	0.771	0.124	0.096	10.00	3.00	7.45	0.096	0.000	0.71	0.00	136.63	1.65	129.40	129.20	0.20	1	18	0.06%	0.40	5.99								
CL CR557	1283+20.00	-35.00	LT	S-321	84.52	0.757	0.259	0.196	48.86	0.45	3.76	7.923	0.000	29.80	0.71	136.99	2.33	134.66	133.88	0.78	1	42	0.372%	3.10	65.11								
CL CR557	1283+20.00	35.00	RL	S-322	72.50	0.772	0.181	0.140	10.00	2.05	7.45	0.140	0.000	1.04	0.01	137.17	2.50	134.66	133.50	0.20	1	18	0.28%	3.39	5.99								
CL CR557	1284+95.00	11.00	RL	S-325	30.00	0.794	0.034	0.027	10.00	3.41	7.45	0.027	0.000	0.20	0.00	138.22	3.24	134.98	134.98	0.00	1	18	0.002%	0.15	6.59								
CL CR557	1285+25.00	-35.00	LT	S-324	205.13	0.748	0.094	0.070	47.17	1.70	3.84	3.707	0.000	14.23	0.23	137.61	2.63	134.97	134.66	0.31	1	36	0.092%	2.01	22.62								
CL CR557	1285+25.00	11.00	RL	S-324	49.50	0.782	0.112	0.087	13.29	2.46	6.78	0.087	0.000	0.59	0.00	138.40	3.42	134.98	134.97	0.01	1	18	0.447%	0.34	7.25								
CL CR557	1287+50.00	-35.00	LT	S-326	221.04	0.776	0.178	0.138	45.32	1.87	3.92	3.549	0.000	13.93	0.04	137.38	2.29	134.30	134.10	0.20	1	36	0.088%	1.97	21.79								
CL CR557	1287+50.00	-1.00	LT	S-327	34.00	0.888	0.166	0.147	10.00	0.91	7.45	0.147	0.000	1.10	0.01	138.06	2.96	127.60	127.40	0.20	1	18	0.09%	3.08	8.75								
CL CR557	1288+85.00	-1.00	LT	S-329	37.47	0.919	0.151	0.139	10.00	1.07	7.45	0.139	0.000	1.03	0.01	137.66	2.34	135.09	135.09	0.01	1	18	0.603%	0.59	8.34								
CL CR557	1289+00.00	-35.00	LT	S-326	147.18	0.847	0.431	0.365	43.99	1.33	3.99	3.264	0.000	13.02	0.17	136.93	1.62	133.60	133.40	0.20	1	36	0.53%	4.72	18.89								
CL CR557	1290+00.00	-35.00	LT	S-329	98.15	0.769	0.3589	2.760	42.95	1.04	4.04	2.760	0.000	11.16	0.13	137.23	1.77	127.70	127.70	0.10	1	36	0.07%	2.67	23.13								
CL CR557	1290+10.00	11.00	RL	S-330	47.16	0.816	0.184	0.150	10.00	1.24	7.45	0.150	0.000	1.12	0.01	138.18	2.71	135.47	135.46	0.01	1	18	0.096%	1.58	7.43								
CL CR557	1291+50.00	-35.00	LT	S-330	147.18	0.873	0.066	0.058	41.24	1.72	4.13	2.437	0.000	10.07	0.00	137.68	2.19	135.31	135.09	0.22	1	36	0.465%	0.63	18.89								
CL CR557	1292+50.00	11.00	RL	S-334	65.23	0.815	0.049	0.040	10.00	6.51	7.45	0.040	0.000	0.29	0.00	138.60	2.89	135.47	135.46	0.01	1	18	0.06%	2.67	4.47								
CL CR557	1293+15.00	11.00	RL	S-336	33.00	0.795	0.115	0.092	16.53	1.70	6.26	0.092	0.000	0.57	0.00	138.28	2.57	135.71	135.71	0.00	1	18	0.345%	0.32	6.28								
CL CR557	1293+50.00	-35.00	LT	S-332	197.22	0.803	0.192	0.155	39.64	1.61	4.22	2.379	0.000	10.04	0.11	137.38	1.68	135.71	135.49	0.21	1	30	0.15%	2.53	14.19								
CL CR557	1293+48.00	11.00	RL	S-335	46.05	0.772	0.034	0.026	18.22	1.91	6.03	0.118	0.000	0.71	0.00	138.11	2.40	135.71	135.70	0.01	1	18	0.10%	2.89	15.04								
CL CR557	1294+75.00	-35.00	LT	S-335	125.02	0.790	0.149	0.118	38.49	1.13	4.29	2.107	0.000	9.03	0.07	137.01	1.18	135.47	135.46	0.01	1	30	0.08%	1.42	12.60								
CL CR557	1294+75.00	35.00	RL	S-337	72.50	0.749	0.341	0.255	37.75	0.74	4.33	1.851	0.000	8.02	0.05	137.01	1.10	135.47	135.46	0.01	1	30	0.42%	4.20	16.55								
CL CR557	1296+20.00	-11.00	LT	S-340	46.00	0.753	2.799	2.107	12.00	1.54	7.02	0.222	0.000	1.56	0.01	138.17	2.13	135.47	135.46	0.01	1	24	0.161%	0.17	11.46								
CL CR557	1296+20.00	35.00	RL	S-340	145.00	0.770	0.235	0.181	36.12	1.64	4.43	1.635	0.000	7.24	0.09	137.45	1.41	135.47	135.46	0.01	1	30	0.30%	3.55	16.55								

**STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin3A

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 3A  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC  
Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
STATION	OFFSET DISTANCE (ft)	SIDE				COMPOSITE C VALUE	AREA	SUB-TOTAL C°A										CROWN								
			UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)				RISE	HYD. GRAD.	PHYSICAL	MIN. PHYSICAL														
ALIGNMENT NAME			UPPER LOWER																							
1297+20.00			S-339															130.70	130.50	0.20						
CL CR557			S-341	Type 5 CI	30.00	0.749	0.064	0.048	11.36	0.64	7.15	0.194	0.000	1.39	0.00	138.32	2.27	136.05	136.04	0.01	1	18	0.08%	0.78	9.32	
1296+50.00	-11.00	LL	S-339			0.758	0.256	0.194										135.60	135.40	0.20			0.67%	5.27		
CL CR557			S-342	Type 5 CI	50.13	0.761	0.192	0.146										134.10	133.90	0.20			0.15%			
1297+00.00	-11.00	LL	S-341			0.761	0.192	0.146	10.00	1.36	7.45	0.146	0.000	1.09	0.01	138.57	2.51	136.06	136.05	0.01	1	18	0.427%	0.62	7.21	
CL CR557			S-343	Type 5 CI	46.00	0.750	0.192	0.144										135.80	135.60	0.20			0.40%	4.08		
1298+50.00	-11.00	LL	S-344			0.750	0.192	0.144	10.00	1.26	7.45	0.144	0.000	1.07	0.01	139.06	2.92	134.30	134.10	0.20			0.15%		15.96	
CL CR557			S-344	Type 5 CI	226.54	0.770	0.153	0.118										136.14	136.13	0.01	1	18	0.021%	0.61		
1298+50.00	35.00	RL	S-340			0.747	1.648	1.231	32.88	3.24	4.64	1.231	0.000	5.72	0.06	138.14	2.01	136.30	135.40	0.90	1	30	1.96%	9.03	13.24	
CL CR557			S-345	Type 5 CI	46.00	0.749	0.256	0.192										134.80	133.90	0.90			0.15%			
1302+00.00	-11.00	LL	S-346			0.749	0.256	0.192	10.00	0.95	7.45	0.192	0.000	1.43	0.01	138.92	2.69	136.13	136.03	0.10	1	18	0.082%	1.16		
CL CR557			S-346	Type 5 CI	342.88	0.770	0.204	0.157										133.40	133.20	0.20			0.09%	2.70		
1302+00.00	35.00	RL	S-344			0.744	1.303	0.969	27.18	5.69	5.08	0.969	0.000	4.93	0.03	138.00	1.79	130.90	130.70	0.20	1	30	0.08%		13.24	
CL CR557			S-347	Type 5 CI	147.11	0.770	0.153	0.118										136.23	136.21	0.02			2.123%	0.81		
1303+50.00	35.00	RL	S-346			0.736	0.843	0.620	23.58	3.58	5.41	0.620	0.000	3.36	0.01	137.55	1.32	136.20	135.30	0.90	1	18	1.96%	9.03	15.96	
CL CR557			S-348	Type 5 CI	46.00	0.750	0.192	0.144										134.70	133.80	0.90			0.15%			
1303+00.00	-11.00	LL	S-347			0.741	0.305	0.226	17.07	0.97	6.18	0.226	0.000	1.40	0.01	138.45	2.20	136.21	136.13	0.08	1	30	0.098%	1.00	13.18	
CL CR557			S-347	Type 5 CI	147.11	0.770	0.153	0.118										133.70	133.40	0.30			0.09%	2.68		
1303+50.00	35.00	RL	S-346			0.736	0.843	0.620	23.58	3.58	5.41	0.620	0.000	3.36	0.01	137.55	1.32	131.20	130.90	0.30	1	30	0.08%		16.43	
CL CR557			S-347	Type 5 CI	46.00	0.750	0.192	0.144										136.23	136.23	0.02			0.135%	0.68		
1304+05.00	-11.00	LL	S-348			0.742	0.071	0.053	14.07	2.98	6.64	0.082	0.000	0.54	0.00	138.17	1.92	133.90	133.70	0.20	1	18	0.14%	3.35	16.43	
CL CR557			S-348	Type 5 CI	55.17	0.725	0.113	0.082										131.40	131.20	0.20			0.08%			
1304+35.00	-11.00	LL	S-349			0.697	0.042	0.029	10.00	4.07	7.45	0.029	0.000	0.22	0.00	138.02	1.76	136.25	136.23	0.02	1	18	0.704%	0.79	9.21	
CL CR557			S-349	Type 5 CI	30.00	0.741	0.305	0.226										135.10	134.80	0.30			0.65%	5.21		
1304+50.00	-11.00	LL	S-348			0.742	0.071	0.053	14.07	2.98	6.64	0.082	0.000	0.54	0.00	138.17	1.92	133.60	133.30	0.30	1	18	0.15%		4.86	
CL CR557			S-349	Type 5 CI	30.00	0.697	0.042	0.029										136.25	136.25	0.00			0.203%	0.31		
1304+35.00	-11.00	LL	S-349			0.697	0.042	0.029	10.00	4.07	7.45	0.029	0.000	0.22	0.00	138.02	1.76	135.20	135.10	0.10	1	18	0.18%	2.75	6.59	
CL CR557			S-350	Type 5 CI	72.50	0.697	0.160	0.112										133.70	133.60	0.10			0.15%			
1305+50.00	-35.00	LL	S-352			0.697	0.160	0.112	10.00	4.56	7.45	0.112	0.000	0.83	0.00	136.95	0.71	136.25	136.25	0.00	1	18	0.376%	0.12		
CL CR557			S-351	Type 5 CI	72.50	0.697	0.160	0.112										135.30	135.20	0.10			0.33%	3.73		
1305+50.00	-35.00	LL	S-352			0.697	0.160	0.112	10.00	4.56	7.45	0.112	0.000	0.83	0.00	136.95	0.71	133.80	133.70	0.10	1	24	0.15%		9.13	
CL CR557			S-352	Type 5 CI	199.38	0.697	0.160	0.112										136.24	136.24	0.00			0.135%	0.26		
1305+50.00	35.00	RL	S-347			0.719	0.384	0.276	14.57	9.00	6.56	0.276	0.000	1.81	0.00	136.95	0.71	134.20	134.10	0.10	1	30	0.10%	2.91	14.11	
CL CR557			S-352	Type 5 CI	199.38	0.735	0.224	0.165										132.20	132.10	0.10			0.10%	0.37		
1305+50.00	35.00	RL	S-347			0.719	0.384	0.276	14.57	9.00	6.56	0.276	0.000	1.81	0.00	136.95	0.71	134.10	133.90	0.20	1	30	0.10%	2.87	14.11	
CL CR557			S-347	Type 5 CI	199.38	0.719	0.384	0.276										131.60	131.40	0.20			0.08%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 4 -Offsite 4

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Offsite 4  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS				
ALIGNMENT NAME						COMPOSITE C VALUE	AREA	SUB-TOTAL (C°A)										CROWN	FLOWLINE ELEVATION									MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	FREQUENCY (yrs): 10.00 Year	
STATION	OFFSET DISTANCE (ft)	SIDE																	UPPER END	UPPER END ELEVATION (ft)											LOWER END ELEVATION (ft)
CL_CR557			O-400	Type 8 MH	68.00			0.000	117.01	0.81	2.08	1.133	0.000	2.36	0.00	135.66	4.88	130.77	130.75	0.02	1	18		0.031%	1.41	6.19	ZONE: Zone 8 MANNINGS n: TAILWATER EL. (ft): 130.74				
1306+40.00	39.50	Rt.	CD-03C					0.000										131.10	130.90	0.20				0.29%	3.50						
CL_CR557			O-401	Type 8 MH	288.01			0.000	60.02	2.00	3.33	1.272	0.000	4.23	0.00	135.66	4.48	131.17	130.77	0.40	1	18		0.176%	2.40	4.75					
1308+60.00	-44.00	Lt.	CD-03B					0.000										130.90	130.40	0.50				0.17%	2.69						
CL_CR557			O-402	Type C DBI	300.07	0.375	0.201	0.075	117.01	3.14	2.08	1.133	0.000	2.36	0.01	133.55	2.59	130.96	130.77	0.19	1	18		0.063%	1.59	4.66					
1309+40.00	48.00	Rt.	O-400			0.373	3.035	1.133										131.60	131.10	0.50				0.17%	2.64						
CL_CR557			O-403	Type C DBI	180.00	0.428	0.243	0.104	116.13	1.43	2.09	1.058	0.000	2.22	0.00	132.55	1.39	131.16	130.96	0.20	1	18		0.111%	2.10	4.66					
1311+20.00	48.00	Rt.	O-402			0.373	2.834	1.058										131.90	131.60	0.30				0.17%	2.64						
CL_CR557			O-404	Type C DBI	300.28	0.373	0.124	0.046	60.02	2.09	3.33	1.272	0.000	4.23	0.01	134.53	2.94	131.59	131.17	0.42	1	18		0.160%	2.40	4.66					
1311+60.00	-59.00	Lt.	O-401			0.290	4.394	1.272										131.40	130.90	0.50				0.17%	2.63						
CL_CR557			O-405	Type C DBI	180.00	0.246	0.199	0.049	115.16	1.35	2.11	0.954	0.000	2.01	0.00	134.57	3.17	131.40	131.16	0.24	1	18		0.133%	2.22	4.66					
1313+00.00	48.00	Rt.	O-403			0.368	2.591	0.954										132.20	131.90	0.30				0.17%	2.64						
CL_CR557			O-406	Type C DBI	190.00	0.307	0.173	0.053	58.65	1.35	3.38	1.226	0.000	4.14	0.00	136.20	4.36	131.84	131.59	0.25	1	18		0.153%	2.34	4.53					
1313+50.00	-59.00	Lt.	O-404			0.287	4.271	1.226										131.70	131.40	0.30				0.16%	2.57						
CL_CR557			O-407	Type C DBI	55.00	0.417	0.517	0.216	58.24	0.41	3.39	1.173	0.000	3.98	0.00	136.20	4.29	131.91	131.84	0.07	1	18		0.192%	2.25	4.87					
1314+05.00	-59.00	Lt.	O-406			0.286	4.098	1.173										131.80	131.70	0.10				0.18%	2.75						
CL_CR557			O-408	Type C DBI	250.00	0.299	0.047	0.014	113.73	1.76	2.13	0.905	0.000	1.93	0.00	135.81	4.02	131.79	131.40	0.38	1	18		0.153%	2.37	4.56					
1315+50.00	48.00	Rt.	O-405			0.378	2.392	0.905										132.60	132.20	0.40				0.16%	2.58						
CL_CR557			O-409	Type C DBI	195.00	0.470	0.309	0.145	56.48	1.74	3.45	0.957	0.000	3.31	0.00	136.25	4.17	132.08	131.91	0.17	1	18		0.098%	1.87	3.65					
1316+00.00	-59.00	Lt.	O-407			0.267	3.581	0.957										132.00	131.80	0.20				0.10%	2.07						
CL_CR557			O-410	Type C DBI	110.00	0.344	0.110	0.038	113.10	0.76	2.14	0.891	0.000	1.91	0.00	135.82	3.86	131.96	131.79	0.18	1	18		0.161%	2.42	4.87					
1316+60.00	48.00	Rt.	O-408			0.380	2.345	0.891										132.80	132.60	0.20				0.18%	2.75						
CL_CR557			O-411	Type C DBI	90.00	0.249	0.104	0.026	112.55	0.62	2.15	0.853	0.000	1.83	0.00	134.02	1.91	132.11	131.96	0.15	1	18		0.169%	2.43	5.38					
1317+50.00	48.00	Rt.	O-410			0.382	2.235	0.853										133.00	132.80	0.20				0.22%	3.04						
CL_CR557			O-412	Type C DBI	300.00	0.834	0.032	0.027	53.56	3.04	3.57	0.812	0.000	2.90	0.00	135.57	3.33	132.24	132.08	0.16	1	18		0.055%	1.64	4.66					
1319+00.00	-59.00	Lt.	O-409			0.248	3.272	0.812										132.60	132.10	0.50				0.17%	2.64						
CL_CR557			O-413	Type C DBI	250.00	0.248	0.555	0.138	110.99	1.58	2.17	0.827	0.000	1.80	0.01	133.29	0.73	132.56	132.11	0.45	1	18		0.179%	2.63	4.56					
1320+00.00	48.00	Rt.	O-411			0.388	2.131	0.827										133.40	133.00	0.40				0.16%	2.58						
CL_CR557			O-414	Type C DBI	272.00	0.264	0.254	0.067	51.46	2.28	3.65	0.785	0.000	2.87	0.00	133.39	0.90	132.49	132.24	0.25	1	18		0.092%	1.98	4.89					
1321+72.00	-59.00	Lt.	O-412			0.242	3.240	0.785										133.10	132.60	0.50				0.18%	2.77						
CL_CR557			O-415	Type C DBI	200.00	0.414	0.344	0.142	109.53	1.66	2.19	0.690	0.000	1.51	0.01	133.50	0.68	132.82	132.56	0.26	1	18		0.129%	2.01	4.42					
1322+00.00	48.00	Rt.	O-413			0.438	1.576	0.690										133.70	133.40	0.30				0.15%	2.50						
CL_CR557			O-416	Type C DBI	170.00	0.471	0.233	0.110	108.02	1.61	2.22	0.548	0.000	1.21	0.01	134.61	1.58	133.03	132.82	0.21	1	18		0.124%	1.76	4.79					
1323+70.00	48.00	Rt.	O-415			0.444	1.232	0.548										134.00	133.70	0.30				0.18%	2.71						
CL_CR557			O-417	Type C DBI	266.00	0.287	0.765	0.220	49.67	1.82	3.73	0.718	0.000	2.68	0.02	133.46	0.59	132.87	132.49	0.37	1	18		0.140%	2.44	4.42					
1324+38.00	-59.00	Lt.	O-414			0.240	2.986	0.718										133.50	133.10	0.40				0.15%	2.50						
CL_CR557			O-418	Type C DBI	80.00	0.761	0.199	0.151	107.14	0.77	2.23	0.438	0.000	0.98	0.01	134.21	1.07	133.14	133.03	0.11	1	18		0.141%	1.74	5.71					
1324+50.00	48.00	Rt.	O-416			0.438	0.999	0.438										134.20	134.00	0.20				0.25%	3.23						
CL_CR557			O-419	Type C DBI	150.00	0.555	0.190	0.105	104.72	1.69	2.27	0.287	0.000	0.65	0.01	133.79	0.41	133.38	133.14	0.23	1	18		0.155%	1.48	5.10					
1326+00.00	48.00	Rt.	O-418			0.358	0.800	0.287										134.50	134.20	0.30				0.20%	2.80						

**STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 4 -Offsite 4

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Offsite 4  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC  
Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
STATION	OFFSET DISTANCE (ft.)	SIDE				COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)										CROWN								
			FLOWLINE ELEVATION						RISE	HYD. GRAD.	PHYSICAL															
ALIGNMENT NAME			UPPER LOWER			UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)				MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	MANNINGS n:		TAILWATER EL. (ft):										
1326+00.00			O-416			0.245	0.533	0.131	47.93	2.07	3.80	0.498	0.000	1.89	0.01	133.01	-0.08	133.00	132.70	0.30	1	18	0.15%			
CL CR557			O-420	Type C DBI	222.00	0.224	2.221	0.498										133.09	132.87	0.22			0.101%	1.79	4.84	
1326+60.00	-59.00	LL	O-417			0.297	0.588	0.175										133.90	133.50	0.40			0.18%	2.74		
CL CR557			O-421	Type C DBI	140.00	0.297	0.610	0.181	101.29	1.92	2.33	0.181	0.000	0.42	0.01	133.30	-0.30	132.40	132.00	0.40	1	18	0.15%	1.21	5.28	
1327+40.00	48.00	RL	O-419			0.305	0.191	0.058										133.60	133.38	0.23			0.163%	2.99		
CL CR557			O-422	Type C DBI	210.00	0.218	1.688	0.367	46.27	1.95	3.88	0.367	0.000	1.43	0.01	133.85	0.49	134.80	134.50	0.30	1	18	0.15%	1.79	4.98	
1328+70.00	-59.00	LL	O-420			0.309	0.022	0.007										133.36	133.09	0.27			0.130%	2.82		
CL CR557			O-423	Type C DBI	190.00	0.309	0.022	0.007	10.00	15.74	7.45	0.007	0.000	0.05	0.01	134.03	0.08	134.30	133.90	0.40	1	18	0.15%	0.20	5.85	
1329+30.00	48.00	RL	O-421			0.207	1.497	0.309										135.30	134.80	0.50			0.26%	3.31		
CL CR557			O-424	Type C DBI	130.00	0.207	1.497	0.309	45.20	1.08	3.93	0.309	0.000	1.22	0.07	132.85	-0.76	133.80	133.30	0.50	1	18	0.15%	2.00	4.48	
1330+00.00	-59.00	LL	O-422			0.000	0.000	0.000										133.61	133.36	0.25			0.189%	2.53		
CL CR557			CD-03A	HWSCN36RCP	38.84	0.000	0.000	0.000	0.00	9.97	0.00	0.000	0.000	0.60	0.00	129.00	-1.77	133.00	132.80	0.20	2	36	0.15%	0.06	36.76	
1305+72.00	-80.17	LL	CD-03B			0.000	0.000	0.000										130.77	130.77	0.00			0.001%	5.20		
CL CR557			CD-03B	Type 8 MH	81.50			0.000	64.11	2.84	3.19	1.272	0.000	4.66	0.01	137.45	6.68	129.00	128.90	0.10	2	36	0.06%	0.48	25.38	
1305+72.00	-42.00	LL	CD-03C					0.000										130.77	130.75	0.01			0.016%	3.59		
CL CR557			CD-03C	Type 8 MH	26.23			0.000	118.68	0.81	2.06	2.406	0.000	5.55	0.01	137.31	6.56	131.90	131.80	0.10	2	36	0.06%	0.54	44.74	
1305+72.00	39.50	RL	CD-03D					0.000										128.90	128.80	0.10			0.06%	6.33		
CL CR557			CD-03D					0.000										130.75	130.74	0.01			0.049%			
CL CR557			CD-03D					0.000										131.80	131.70	0.10			0.38%			
CL CR557			CD-03D					0.000										128.80	128.70	0.10			0.06%			

Remarks: Computations performed using GEOPAK Drainage.

### FLORIDA DEPARTMENT OF TRANSPORTATION STORM SEWER TABULATION FORM

Financial Project ID: 18-73  
Description: Basin 4

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 4  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

STATION	ALIGNMENT NAME		STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT				NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS								
	OFFSET DISTANCE (ft)	SIDE				UPPER LOWER	COMPOSITE C VALUE	AREA										SUB-TOTAL (C°A)	CROWN										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	HYD. GRAD.	PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)
																			FLOWLINE ELEVATION																	
																			UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)															
CL_CR557			S-400	Type 5 CI	72.50	0.850	0.232	0.197	10.00	1.45	7.45	0.197	0.000	1.47	0.01	136.38	0.91	135.47	135.45	0.02	1	18		0.289%	0.83	5.99										
1307+40.00	35.00	Rt.	S-401			0.850	0.232	0.197										133.50	133.30	0.20				0.28%	3.39											
CL_CR557			S-401	Type 5 CI	110.00	0.722	0.252	0.182	11.45	1.20	7.13	0.379	0.000	2.70	0.05	136.38	0.93	135.45	135.34	0.11	1	18		0.188%	1.53	4.87										
1307+40.00	-35.00	Lt.	S-402			0.784	0.484	0.379										133.30	133.10	0.20				0.18%	2.75											
CL_CR557			S-403	Type 6 CI	72.50	0.809	0.424	0.343	10.00	1.49	7.45	0.343	0.000	2.56	0.01	135.75	0.49	135.26	135.24	0.02	1	24		0.154%	0.81	9.13										
1309+50.00	35.00	Rt.	S-404			0.809	0.424	0.343										133.00	132.90	0.10				0.14%	2.91											
CL_CR557			S-404	Type 6 CI	160.00	0.809	0.380	0.307	13.53	1.70	6.73	1.143	0.000	7.70	0.55	135.75	0.51	135.24	134.65	0.60	1	30		0.121%	1.57	15.75										
1309+50.00	-35.00	Lt.	S-405			0.795	1.438	1.143										132.90	132.70	0.20				0.13%	3.21											
CL_CR557			S-405	Type 5 CI	240.02	0.844	0.133	0.112	15.23	2.31	6.45	1.319	0.000	8.51	0.02	136.23	1.58	134.65	134.54	0.11	1	30		0.087%	1.73	12.86										
1311+10.00	-35.00	Lt.	S-407			0.797	1.656	1.319										132.70	132.50	0.20				0.08%	2.62											
CL_CR557			S-406	Type 5 CI	73.22	0.749	0.086	0.064	10.00	4.50	7.45	0.064	0.000	0.48	0.00	136.26	1.61	134.65	134.65	0.00	1	18		0.280%	0.27	5.96										
1311+20.00	35.00	Rt.	S-405			0.749	0.086	0.064										132.50	132.30	0.20				0.27%	3.37											
CL_CR557			S-407	Type 5 CI	100.04	0.812	0.219	0.178	17.56	1.29	6.11	1.498	0.000	9.16	0.00	136.05	1.51	134.54	134.52	0.02	1	36		0.316%	1.30	39.68										
1313+50.00	-35.00	Lt.	S-409			0.798	1.876	1.498										132.50	132.20	0.30				0.30%	5.61											
CL_CR557			S-408	Type 6 CI	72.50	0.744	0.507	0.378	10.00	0.76	7.45	0.378	0.000	2.81	0.04	135.75	1.15	134.60	134.52	0.08	1	18		0.288%	1.59	5.99										
1314+50.00	35.00	Rt.	S-409			0.744	0.507	0.378										132.40	132.20	0.20				0.28%	3.39											
CL_CR557			S-409	Type 6 CI	200.04	0.716	0.420	0.301	18.85	1.82	5.95	2.176	0.000	12.94	0.06	135.75	1.23	134.52	134.39	0.13	1	36		0.107%	1.83	22.91										
1314+50.00	-35.00	Lt.	S-411			0.776	2.803	2.176										132.20	132.00	0.20				0.10%	3.24											
CL_CR557			S-410	Type 5 CI	72.50	0.730	0.172	0.126	10.00	2.28	7.45	0.126	0.000	0.94	0.00	136.35	1.95	134.40	134.39	0.01	1	18		0.290%	0.53	5.99										
1316+50.00	35.00	Rt.	S-411			0.730	0.172	0.126										133.00	132.80	0.20				0.28%	3.39											
CL_CR557			S-411	Type 5 CI	150.27	0.716	0.210	0.150	20.67	1.26	5.73	2.452	0.000	14.04	0.03	136.35	1.96	134.39	134.31	0.09	1	36		0.067%	1.99	18.69										
1316+50.00	-35.00	Lt.	S-413			0.770	3.185	2.452										132.00	131.90	0.10				0.07%	2.64											
CL_CR557			S-412	Type 5 CI	72.50	0.738	0.115	0.085	10.00	3.39	7.45	0.085	0.000	0.63	0.00	136.80	2.49	134.31	134.31	0.01	1	18		0.291%	0.36	5.99										
1318+00.00	35.00	Rt.	S-413			0.738	0.115	0.085										133.50	133.30	0.20				0.28%	3.39											
CL_CR557			S-413	Type 5 CI	79.18	0.695	0.140	0.097	37.99	0.60	4.32	6.356	0.000	27.43	0.22	136.80	2.49	134.31	134.06	0.25	1	48		1.372%	2.18	175.35										
1318+00.00	-35.00	Lt.	OUT-413			0.723	8.795	6.356										128.60	127.60	1.00				1.26%	13.95											
CL_CR557			S-414	Type 5 CI	76.00	0.714	0.172	0.123	10.00	2.45	7.45	0.123	0.000	0.92	0.00	136.65	2.30	134.35	134.34	0.01	1	18		0.278%	0.52	5.85										
1320+50.00	35.00	Rt.	S-415			0.714	0.172	0.123										133.30	133.10	0.20				0.26%	3.31											
CL_CR557			S-415	Type 5 CI	250.65	0.716	0.210	0.150	34.85	3.13	4.51	3.722	0.000	16.78	0.01	136.65	2.31	134.34	134.31	0.03	1	48		0.039%	1.34	31.17										
1320+50.00	-35.00	Lt.	S-413			0.695	5.355	3.722										132.40	132.30	0.10				0.04%	2.48											
CL_CR557			S-416	Type 5 CI	72.50	0.730	0.172	0.126	10.00	2.28	7.45	0.126	0.000	0.94	0.00	136.20	1.34	134.86	134.85	0.01	1	18		0.307%	0.53	5.99										
1322+00.00	35.00	Rt.	S-417			0.730	0.172	0.126										132.90	132.70	0.20				0.28%	3.39											
CL_CR557			S-417	Type 5 CI	150.80	0.716	0.210	0.150	32.87	1.97	4.64	3.448	0.000	16.01	0.49	136.20	1.35	134.85	134.34	0.51	1	48		0.066%	1.27	40.18										
1322+00.00	-35.00	Lt.	S-415			0.693	4.973	3.448										132.50	132.40	0.10				0.07%	3.20											
CL_CR557			S-418	Type 6 CI	72.50	0.730	0.344	0.251	10.00	1.14	7.45	0.251	0.000	1.87	0.02	135.75	0.80	134.95	134.91	0.04	1	18		0.305%	1.06	5.99										
1323+50.00	35.00	Rt.	S-419			0.730	0.344	0.251										132.40	132.20	0.20				0.28%	3.39											
CL_CR557			S-419	Type 6 CI	150.56	0.705	0.420	0.296	31.27	1.60	4.76	3.172	0.000	15.09	0.03	135.75	0.84	134.91	134.85	0.06	1	42		0.064%	1.57	28.17										
1323+50.00	-35.00	Lt.	S-417			0.691	4.591	3.172										132.10	132.00	0.10				0.07%	2.93											
CL_CR557			S-420	Type 5 CI	150.31	0.711	0.280	0.199	29.39	1.87	4.90	2.625	0.000	12.86	0.01	136.20	1.26	134.94	134.91	0.03	1	42		0.069%	1.34	28.19										
1325+00.00	-35.00	Lt.	S-419			0.688	3.826	2.625										132.20	132.10	0.10				0.07%	2.93											



**STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 4

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Basin 4  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC  
Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END		STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C/A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS							
ALIGNMENT NAME					COMPOSITE C VALUE	AREA	SUB-TOTAL C/A										UPPER END ELEVATION (ft)	FLOWLINE ELEVATION (ft)	LOWER END ELEVATION (ft)							FALL (ft)	RISE	HYD. GRAD.	PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	ZONE: Zone 8
STATION	OFFSET DISTANCE (ft.)																															
1325+00.00					0.737	0.230	0.169	10.00	1.69	7.45	0.169	0.000	1.26	0.01	136.20	1.24	128.70	128.60	0.10	1	18	0.05%										
CL CR557		S-421	Type 5 CI	72.50	0.737	0.230	0.169										134.96	134.94	0.02			0.289%	0.71	5.99								
1325+00.00	35.00	Rt.	S-420		0.737	0.230	0.169										132.90	132.70	0.20			0.28%	3.39									
CL CR557		S-422	Type 5 CI	350.31	0.716	0.210	0.150	24.69	4.69	5.31	2.257	0.000	11.98	0.49	136.35	0.87	131.40	131.20	0.20	1	42	0.15%	1.24	31.98								
1328+50.00	-35.00	Lt.	S-420		0.680	3.317	2.257										135.48	134.94	0.54			0.097%	3.32									
CL CR557		S-423	Type 5 CI	72.50	0.714	0.172	0.123	10.00	2.33	7.45	0.123	0.000	0.92	0.00	136.35	0.87	132.50	132.20	0.30	1	18	0.09%	0.52	5.99								
1328+50.00	35.00	Rt.	S-422		0.714	0.172	0.123										129.00	128.70	0.30			0.05%	3.39									
CL CR557		S-424	Type 6 CI	200.17	0.703	0.560	0.394	22.53	2.15	5.52	1.983	0.000	10.95	0.05	135.75	0.18	135.48	135.48	0.09	1	36	0.294%	1.55	22.90								
1330+50.00	-35.00	Lt.	S-422		0.676	2.935	1.983										133.00	132.00	0.20			0.10%	3.24									
CL CR557		S-425	Type 6 CI	72.50	0.732	0.448	0.328	10.00	1.56	7.45	0.328	0.000	2.44	0.01	135.75	0.16	129.20	129.00	0.20	1	24	0.06%	0.78	12.91								
1330+50.00	35.00	Rt.	S-424		0.732	0.448	0.328										135.59	135.57	0.02			0.296%	4.11									
CL CR557		S-426	Type 5 CI	73.23	0.725	0.241	0.175	10.00	1.66	7.45	0.175	0.000	1.30	0.01	136.32	0.20	131.90	131.70	0.20	1	18	0.28%	0.74	5.96								
1332+40.00	35.00	Rt.	S-427		0.725	0.241	0.175										129.90	129.70	0.20			0.10%	3.37									
CL CR557		S-427	Type 5 CI	200.04	0.697	0.292	0.204	19.35	3.17	5.88	1.262	0.000	7.42	0.51	136.35	0.25	136.12	136.10	0.02	1	36	0.300%	1.05	39.68								
1332+50.00	-35.00	Lt.	S-424		0.655	1.927	1.262										132.80	132.20	0.60			0.30%	5.61									
CL CR557		S-428	Type 5 CI	200.02	0.605	0.328	0.199	16.40	2.95	6.28	0.883	0.000	5.54	0.51	136.95	0.31	129.80	129.20	0.60	1	30	0.06%	1.13	35.92								
1334+50.00	-35.00	Lt.	S-427		0.634	1.393	0.883										136.64	136.10	0.54			0.669%	7.32									
CL CR557		S-429	Type 5 CI	72.50	0.713	0.072	0.051	10.00	5.59	7.45	0.051	0.000	0.38	0.00	136.95	0.31	134.10	132.80	1.30	1	18	0.08%	0.22	5.99								
1334+50.00	35.00	Rt.	S-428		0.713	0.072	0.051										131.60	130.30	1.30			0.294%	3.39									
CL CR557		S-430	Type 5 CI	170.00	0.621	0.316	0.196	14.27	2.13	6.61	0.634	0.000	4.19	0.53	137.46	0.24	136.64	136.64	0.00	1	24	0.15%	1.33	13.33								
1336+20.00	-35.00	Lt.	S-428		0.638	0.993	0.634										137.22	136.64	0.58			0.29%	4.24									
CL CR557		S-431	Type 5 CI	75.34	0.735	0.149	0.109	10.00	2.73	7.45	0.109	0.000	0.81	0.00	137.52	0.29	134.70	134.20	0.50	1	18	0.10%	0.46	5.88								
1336+40.00	35.00	Rt.	S-430		0.735	0.149	0.109										132.70	132.20	0.50			0.276%	3.33									
CL CR557		S-432	Type 5 CI	72.68	0.677	0.193	0.130	10.00	2.20	7.45	0.130	0.000	0.97	0.00	137.93	0.59	137.34	137.33	0.01	1	18	0.281%	0.55	5.99								
1337+75.00	35.00	Rt.	S-433		0.677	0.193	0.130										135.20	135.00	0.20			0.28%	3.39									
CL CR557		S-433	Type 5 CI	160.00	0.589	0.336	0.198	12.21	2.06	6.98	0.328	0.000	2.29	0.04	137.94	0.61	133.70	133.50	0.20	1	18	0.15%	1.30	5.71								
1337+80.00	-35.00	Lt.	S-430		0.621	0.528	0.328										137.33	137.22	0.10			0.252%	3.23									
CL CR557		S-402	Type 5 CI	100.00	0.758	0.149	0.113	12.66	0.87	6.89	0.493	0.000	3.39	0.00	136.05	0.71	135.00	134.60	0.40	1	18	0.15%	1.92	5.10								
1308+50.00	-35.00	Lt.	S-404		0.778	0.633	0.493										133.50	133.10	0.40			0.20%	2.89									
																	131.60	131.40	0.20			0.15%										

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 5

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: BASIN 5  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC  
Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME	STATION	OFFSET DISTANCE (ft)				SIDE	UPPER LOWER	COMPOSITE C VALUE										AREA	SUB-TOTAL (C°A)	CROWN							
			FLOWLINE ELEVATION						PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	FREQUENCY (yrs): 10.00 Year														
MANNINGS n:																											
TAILWATER EL. (ft): 132.94																											
CL_CR557			S-500	Type 5 Cl	72.50	0.559	0.289	0.162	10.00	1.77	7.45	0.162	0.000	1.20	0.01	138.45	2.79	135.66	135.65	0.02	1	18	0.021%	0.68	5.99		
1339+50.00	-35.00	Lt	S-501			0.559	0.289	0.162										135.70	135.50	0.20			0.28%	3.39			
CL_CR557			S-501	Type 5 Cl	150.00	0.730	0.172	0.126	11.77	2.18	7.06	0.287	0.000	2.03	0.03	138.45	2.80	134.20	134.00	0.20	1	18	0.199%	1.15	5.10		
1339+50.00	35.00	Rt	S-503			0.623	0.461	0.287										135.65	135.57	0.08			0.20%	2.89			
CL_CR557			S-502	Type 5 Cl	72.50	0.617	0.166	0.103	10.00	2.13	7.45	0.103	0.000	0.76	0.01	138.90	3.32	134.00	133.70	0.30	1	18	0.15%	0.57	5.99		
1341+00.00	-35.00	Lt	S-503			0.617	0.166	0.103										135.58	135.57	0.01			0.015%	0.57			
CL_CR557			S-503	Type 5 Cl	345.00	0.733	0.115	0.084	13.95	5.14	6.66	0.474	0.000	3.16	0.53	138.90	3.33	136.20	136.00	0.20	1	24	0.28%	0.68	8.37		
1341+00.00	35.00	Rt	S-505			0.638	0.743	0.474										135.57	134.98	0.59			0.12%	2.66			
CL_CR557			S-504	Type 5 Cl	72.50	0.695	0.343	0.239	10.00	1.02	7.45	0.239	0.000	1.78	0.03	138.22	3.19	134.00	133.80	0.20	1	18	0.063%	1.19	5.99		
1344+45.00	-35.00	Lt	S-505			0.695	0.343	0.239										135.03	134.98	0.05			0.28%	3.39			
CL_CR557			S-505	Type 5 Cl	155.00	0.843	0.281	0.237	18.56	1.42	5.98	0.950	0.000	5.68	0.07	138.22	3.24	134.98	134.85	0.13	1	24	0.086%	1.82	12.48		
1344+45.00	35.00	Rt	S-507			0.695	1.367	0.950										135.30	134.90	0.40			0.26%	3.97			
CL_CR557			S-506	Type 5 Cl	72.50	0.798	0.217	0.173	10.00	1.66	7.45	0.173	0.000	1.29	0.01	137.60	2.73	133.30	133.20	0.20	1	18	0.024%	0.73	5.99		
1346+00.00	-35.00	Lt	S-507			0.798	0.217	0.173										134.87	134.85	0.02			0.28%	3.39			
CL_CR557			S-507	Type 5 Cl	200.00	0.729	0.058	0.042	19.89	1.55	5.82	1.165	0.000	6.78	0.04	137.60	2.75	134.90	134.10	0.80	1	24	0.092%	2.16	15.54		
1346+00.00	35.00	Rt	S-509			0.710	1.642	1.165										134.85	134.67	0.18			0.40%	4.95			
CL_CR557			S-508	Type 5 Cl	72.50	0.810	0.280	0.227	10.00	1.26	7.45	0.227	0.000	1.69	0.01	136.80	2.10	132.60	132.40	0.20	1	18	0.289%	0.96	5.99		
1348+00.00	-35.00	Lt	S-509			0.810	0.280	0.227										134.10	133.90	0.20			0.28%	3.39			
CL_CR557			S-509	Type 5 Cl	200.00	0.726	0.230	0.167	21.44	1.19	5.64	1.559	0.000	8.79	0.08	136.80	2.13	132.60	132.40	0.20	1	24	0.15%	2.80	15.54		
1348+00.00	35.00	Rt	S-511			0.726	0.230	0.167										134.67	134.33	0.34			0.410%	2.80			
CL_CR557			S-510	Type 6 Cl	72.50	0.701	0.491	0.344	10.00	0.83	7.45	0.344	0.000	2.56	0.03	136.00	1.60	131.80	131.60	0.20	1	18	0.282%	1.45	5.99		
1350+00.00	-35.00	Lt	S-511			0.701	0.491	0.344										133.30	133.10	0.20			0.28%	3.39			
CL_CR557			S-511	Type 6 Cl	150.00	0.714	0.402	0.287	22.63	0.65	5.51	2.190	0.000	12.07	0.18	136.00	1.67	131.80	131.60	0.20	1	24	0.15%	3.84	8.97		
1350+00.00	35.00	Rt	S-513			0.719	3.044	2.190										134.33	133.78	0.54			0.210%	3.84			
CL_CR557			S-512	Type 5 Cl	72.50	0.696	0.209	0.146	10.00	1.97	7.45	0.146	0.000	1.09	0.01	136.45	2.65	133.80	133.78	0.01	1	18	0.285%	0.61	5.99		
1351+50.00	-35.00	Lt	S-513			0.696	0.209	0.146										133.70	133.50	0.20			0.28%	3.39			
CL_CR557			S-513	Type 5 Cl	150.26	0.727	0.172	0.125	23.28	0.88	5.45	2.461	0.000	13.40	0.48	136.45	2.67	132.20	132.00	0.20	1	30	0.15%	2.85	16.26		
1351+50.00	35.00	Rt	S-515			0.727	0.172	0.125										133.78	133.19	0.60			0.397%	2.85			
CL_CR557			S-514	Type 5 Cl	72.50	0.696	0.210	0.146	10.00	1.79	7.45	0.146	0.000	1.09	0.01	136.90	3.70	133.60	133.40	0.20	1	18	0.13%	0.67	5.99		
1353+00.00	-35.00	Lt	S-515			0.696	0.210	0.146										131.10	130.90	0.20			0.13%	3.31			
CL_CR557			S-515	Type 5 Cl	112.38	0.714	0.172	0.123	30.62	0.70	4.81	7.039	0.000	33.83	0.19	136.90	3.71	132.10	131.90	0.20	1	48	0.08%	3.39	93.09		
1353+00.00	35.00	Rt	OUT-515			0.716	9.829	7.039										133.19	132.94	0.25			0.378%	2.69			
CL_CR557			S-516	Type 5 Cl	72.50	0.696	0.210	0.146	10.00	1.90	7.45	0.146	0.000	1.09	0.01	137.35	3.65	127.00	126.60	0.40	1	18	0.28%	0.64	5.99		
1354+50.00	-35.00	Lt	S-517			0.696	0.210	0.146										133.60	133.40	0.20			0.36%	7.41			
CL_CR557			S-517	Type 5 Cl	150.65	0.714	0.172	0.123	29.13	1.49	4.92	4.309	0.000	21.21	0.48	137.35	3.66	123.00	122.60	0.40	1	48	0.04%	1.69	40.20		
1354+50.00	35.00	Rt	S-515			0.716	6.021	4.309										127.00	126.60	0.40			0.04%	3.20			
CL_CR557			S-518	Type 5 Cl	72.50	0.691	0.280	0.193	10.00	1.48	7.45	0.193	0.000	1.44	0.01	137.21	3.35	133.86	133.84	0.02	1	18	0.202%	0.81	5.99		
1358+00.00	-35.00	Lt	S-519			0.691	0.280	0.193										133.90	133.70	0.20			0.031%	0.81			
CL_CR557			S-519	Type 5 Cl	350.55	0.714	0.230	0.164	26.39	2.70	5.15	4.040	0.000	20.81	0.02	137.21	3.37	132.40	132.20	0.20	1	42	0.15%	3.39	26.10		
1358+00.00	35.00	Rt	S-517			0.716	5.839	4.040										133.84	133.69	0.15			0.051%	2.16			

**STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 5

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: BASIN 5  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END		STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS											
ALIGNMENT NAME					UPPER LOWER	SIDE	COMPOSITE C VALUE										AREA	SUB-TOTAL (C°A)	CROWN							PHYSICAL	HYD. GRAD.	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	ZONE: Zone 8						
STATION	OFFSET DISTANCE (ft.)																		FLOWLINE ELEVATION												RISE	PHYSICAL	VELOCITY	FREQUENCY (yrs): 10.00 Year		
																			UPPER END ELEVATION (ft)																LOWER END ELEVATION (ft)	FALL (ft)
1366+00.00			LL	S-521																																
	CL CR557			S-520																																
1360+00.00	-35.00		LL	S-521	0.695	0.280	0.195	10.00	1.47	7.45	0.195	0.000	1.45	0.01	136.61	2.67	124.30	124.10	0.20	1	18	0.05%	0.82	5.99												
	CL CR557			S-521	0.695	0.280	0.195										133.94	133.92	0.02			0.293%	3.39													
	CL CR557			S-519	0.714	0.229	0.164										133.30	133.10	0.20			0.28%	2.03													
1360+00.00	35.00	RL	S-519	Type 5 CI	200.31	5.130	3.683	24.73	1.64	5.30	3.683	0.000	19.53	0.02	136.61	2.69	131.80	131.60	0.20	1	42	0.15%	2.54	24.42												
	CL CR557			S-522	0.718	0.541	0.389										133.92	133.84	0.08			0.045%	1.64													
	CL CR557			S-522	0.719	0.541	0.389	10.00	0.74	7.45	0.389	0.000	2.89	0.04	136.02	1.43	130.10	130.00	0.10	1	18	0.05%	3.39	5.99												
1362+00.00	-35.00	LL	S-523	Type 6 CI	72.50	0.541	0.389										126.60	126.50	0.10			0.289%	1.89													
	CL CR557			S-523	0.805	0.419	0.337										134.59	134.51	0.09			0.28%	2.54													
	CL CR557			S-521	0.720	4.620	3.325	22.94	1.76	5.48	3.325	0.000	18.22	0.53	136.02	1.51	132.70	132.50	0.20	1	42	0.05%	3.39	24.42												
1362+00.00	35.00	RL	S-521	Type 6 CI	200.31	4.620	3.325										131.20	131.00	0.20			0.15%	1.89													
	CL CR557			S-524	0.886	0.219	0.194										134.51	133.92	0.58			0.050%	2.54													
	CL CR557			S-524	0.720	0.219	0.194	10.00	1.72	7.45	0.194	0.000	1.44	0.01	136.68	1.95	130.20	130.10	0.10	1	18	0.247%	3.14	5.55												
1365+00.00	-47.00	LL	S-525	Type 5 CI	84.50	0.886	0.219	0.194	10.00	1.72	7.45	0.194	0.000	1.44	0.01	136.68	1.95	126.70	126.60	0.10			0.15%	1.89												
	CL CR557			S-525	0.749	0.144	0.108										134.73	134.71	0.02			0.24%	5.92													
	CL CR557			S-523A	0.703	3.486	2.452	20.47	1.25	5.75	2.452	0.000	14.10	0.08	136.92	2.21	133.60	133.40	0.20	1	36	0.33%	1.99	41.87												
	CL CR557			S-526	0.806	0.252	0.203										130.40	129.90	0.50			0.06%	0.85													
1366+00.00	-47.00	LL	S-527	Type 5 CI	84.50	0.806	0.252	0.203	10.00	1.65	7.45	0.203	0.000	1.51	0.01	137.09	2.22	134.87	134.84	0.03	1	18	0.249%	3.14	5.55											
	CL CR557			S-527	0.733	0.182	0.133										140.00	133.80	0.20			0.15%	1.79													
	CL CR557			S-525	0.688	3.123	2.150	19.22	1.25	5.90	2.150	0.000	12.68	0.09	137.33	2.48	132.50	132.30	0.20	1	36	0.301%	5.60	39.56												
	CL CR557			S-528	0.695	0.282	0.196										134.84	134.71	0.14			0.30%	3.39													
1368+00.00	-35.00	LL	S-529	Type 5 CI	72.50	0.695	0.282	0.196	10.00	1.47	7.45	0.196	0.000	1.46	0.01	137.82	2.30	133.80	133.40	0.40	1	18	0.296%	0.82	5.99											
	CL CR557			S-529	0.695	0.282	0.196										135.52	135.50	0.02			0.28%	1.57													
	CL CR557			S-529	0.582	0.229	0.133										135.10	134.90	0.20			0.30%	5.66													
1368+00.00	35.00	RL	S-527	Type 5 CI	163.99	2.690	1.814	17.48	1.74	6.12	1.814	0.000	11.11	0.62	137.82	2.32	133.60	133.40	0.20	1	36	0.06%	0.34	40.01												
	CL CR557			S-530	0.695	0.117	0.082										131.30	130.80	0.50			0.006%	3.39													
1370+00.00	-35.00	LL	S-531	Type 5 CI	72.50	0.695	0.117	0.082	10.00	3.52	7.45	0.082	0.000	0.61	0.00	138.42	2.80	135.70	135.50	0.20	1	18	0.28%	0.82	5.99											
	CL CR557			S-531	0.695	0.117	0.082										134.20	134.00	0.20			0.15%	1.89													
	BL NB557_RB1			S-531	0.582	0.095	0.055										135.62	135.50	0.12			0.108%	2.88													
2070+00.00	24.00	RL	S-529	Type 5 CI	198.75	0.681	2.179	1.485	15.75	1.72	6.37	1.485	0.000	9.46	0.03	138.42	2.80	134.10	133.90	0.20	1	30	0.10%	1.87	14.13											
	BL NB557_RB1			S-532	0.685	1.967	1.348										131.60	131.40	0.20			0.08%	2.89													
2073+00.00	29.00	RL	S-531	Type 5 CI	296.38	0.685	1.967	1.348	13.11	2.64	6.81	1.348	0.000	9.18	0.01	137.80	2.05	135.75	135.62	0.13	1	30	0.101%	1.87	14.18											
	CL CR557			S-533	0.686	0.723	0.495										134.40	134.10	0.30			0.08%	2.09													
	CL CR557			S-534	0.686	0.723	0.495	10.00	0.76	7.45	0.495	0.000	3.69	0.07	137.40	0.53	131.90	131.60	0.30	1	18	0.215%	2.96	5.24												
1374+73.00	-40.00	LL	S-534	Type 6 CI	94.85	0.686	0.723	0.495									136.87	136.70	0.17			0.15%	2.61													
	BL NB557_RB1			S-534	0.625	0.372	0.232										134.40	134.20	0.20			0.157%	3.29													
2075+00.00	29.00	RL	S-532	Type 6 CI	205.49	0.684	1.696	1.160	11.78	1.31	7.06	1.160	0.000	8.19	0.72	136.96	0.26	132.90	132.70	0.20	1	24	0.10%	1.74	9.39											
	BL NB557_RB1			S-535	0.709	0.318	0.226										136.70	136.70	0.06			0.364%	3.64													
	BL NB557_RB1			S-534	0.718	0.602	0.432	11.48	0.30	7.12	0.432	0.000	3.08	0.04	137.11	0.35	134.20	133.90	0.30	1	18	0.32%	1.74	6.43												
	BL NB557_RB1			S-536	0.729	0.283	0.207										133.80	133.70	0.10			0.15%	0.87													
3075+45.00	-26.08	LL	S-535	Type 5 CI	77.00	0.729	0.283	0.207	10.00	1.47	7.45	0.207	0.000	1.54	0.01	137.44	0.65	132.30	132.20	0.10	1	18	0.280%	3.29	5.82											
	CL CR557			S-535	0.846	0.174	0.147										136.79	136.77	0.03			0.26%	2.06													
	CL CR557			S-523A	0.846	0.174	0.147	21.72	1.21	5.61	2.599	0.000	14.58	0.00	136.47	1.90	134.00	133.80	0.20	1	36	0.15%	2.64	18.70												
1363+50.00	35.00	RL	S-523	Type 5 CI	150.17	0.710	3.660	2.599									132.50	132.30	0.20			0.073%	2.64													
	CL CR557			S-523	0.710	3.660	2.599										134.57	134.51	0.06			0.07%	2.64													
	CL CR557			S-523	0.710	3.660	2.599										129.80	129.70	0.10			0.06%	2.64													

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 6 - Pond 6

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Pond 6  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)										CROWN									
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER	TYPE OF STRUCTURE	LENGTH (ft)				COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)	TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)
BL_SB557_RBT1			S-600	Type 5 CI	106.25	0.656	0.082	0.054	41.53	0.97	4.12	2.178	0.000	8.97	0.02	138.48	4.71	133.76	133.70	0.07	1	30		0.097%	1.83	13.67	ZONE: Zone 8
3078+00.00	-32.00	Lt.	S-601	Type 5 CI	252.87	0.526	4.142	2.178	42.51	1.94	4.07	2.627	0.000	10.68	0.16	136.35	2.65	132.00	131.90	0.10	1	30		0.09%	2.78	12.53	FREQUENCY (yrs): 10.00 Year
BL_SB557_RB1			S-601	Type 5 CI	252.87	0.658	0.264	0.174	42.51	1.94	4.07	2.627	0.000	10.68	0.16	136.35	2.65	129.50	129.40	0.10	1	30		0.08%	2.18	12.53	MANNINGS n:
3079+35.45	-24.00	Lt.	S-603	Type 5 CI	82.04	0.550	4.780	2.627	10.00	1.18	7.45	0.275	0.000	2.05	0.02	136.37	2.63	133.70	133.39	0.30	1	18		0.081%	2.55	5.63	TAILWATER EL. (ft): 132.71
BL_NB557_RB1			S-602	Type 5 CI	82.04	0.735	0.374	0.275	10.00	1.18	7.45	0.275	0.000	2.05	0.02	136.37	2.63	131.90	131.70	0.20	1	18		0.260%	1.16	5.63	TAILWATER EL. (ft): 132.71
2079+17.96	24.03	Rt.	S-601	Type 5 CI	82.04	0.735	0.374	0.275	10.00	1.18	7.45	0.275	0.000	2.05	0.02	136.37	2.63	133.30	133.10	0.20	1	18		0.24%	3.19	5.63	TAILWATER EL. (ft): 132.71
BL_SB557_RB1			S-603	Type 6 CI	259.10	0.563	1.088	0.613	44.45	1.65	3.97	3.240	0.000	12.85	0.01	135.37	1.98	131.80	131.60	0.20	1	30		0.15%	2.62	12.38	TAILWATER EL. (ft): 132.71
3081+81.58	-29.00	Lt.	S-604	Type 6 CI	259.10	0.552	5.868	3.240	44.45	1.65	3.97	3.240	0.000	12.85	0.01	135.37	1.98	133.39	133.17	0.23	1	30		0.072%	2.62	12.38	TAILWATER EL. (ft): 132.71
CL_CR557			S-604	Type E DBI	70.50	0.612	5.360	3.281	63.66	0.40	3.21	6.521	0.000	20.92	0.18	132.13	-1.04	131.60	131.50	0.10	1	36		0.150%	2.96	27.29	TAILWATER EL. (ft): 132.71
1384+10.00	-70.50	Lt.	S-605	Type E DBI	70.50	0.581	11.229	6.521	63.66	0.40	3.21	6.521	0.000	20.92	0.18	132.13	-1.04	128.30	128.20	0.10	1	36		0.14%	3.86	27.29	TAILWATER EL. (ft): 132.71
CL_CR557			S-605	Type C DBI	70.50	0.468	2.136	0.999	64.06	0.35	3.20	7.519	0.000	24.03	0.00	133.54	0.61	125.30	125.20	0.10	1	36		0.06%	3.40	27.29	TAILWATER EL. (ft): 132.71
1384+10.00	0.00	Lt.	S-606	Type C DBI	70.50	0.563	13.364	7.519	64.06	0.35	3.20	7.519	0.000	24.03	0.00	133.54	0.61	132.93	132.85	0.08	1	36		0.155%	3.40	27.29	TAILWATER EL. (ft): 132.71
CL_CR557			S-606	Type E DBI	91.30	0.441	2.796	1.232	64.42	0.39	3.18	8.751	0.000	27.86	0.00	132.13	-0.72	128.20	128.10	0.10	1	36		0.129%	3.94	23.98	TAILWATER EL. (ft): 132.71
1384+10.00	70.50	Rt.	OUT-606	Type E DBI	91.30	0.542	16.160	8.751	64.42	0.39	3.18	8.751	0.000	27.86	0.00	132.13	-0.72	125.60	125.50	0.10	1	36		0.11%	3.39	23.98	TAILWATER EL. (ft): 132.71
CL_CR557A_NEW			S-608	Type C DBI	32.59	0.534	1.802	0.962	37.13	0.41	4.37	0.962	0.000	4.20	0.03	133.29	-1.51	134.80	134.76	0.04	1	24		0.06%	3.39	13.61	TAILWATER EL. (ft): 132.71
611+70.00	38.50	Rt.	S-610	Type C DBI	32.59	0.534	1.802	0.962	37.13	0.41	4.37	0.962	0.000	4.20	0.03	133.29	-1.51	132.10	132.00	0.10	1	24		0.357%	1.34	13.61	TAILWATER EL. (ft): 132.71
CL_CR557A_NEW			S-609	Type C DBI	33.13	0.429	1.479	0.635	37.13	0.63	4.37	0.635	0.000	2.77	0.01	133.29	-1.47	130.10	130.00	0.10	1	24		0.31%	4.33	13.61	TAILWATER EL. (ft): 132.71
611+70.00	-38.50	Lt.	S-611	Type C DBI	33.13	0.429	1.479	0.635	37.13	0.63	4.37	0.635	0.000	2.77	0.01	133.29	-1.47	134.76	134.74	0.02	1	24		0.10%	6.08	19.09	TAILWATER EL. (ft): 132.71
CL_CR557A_NEW			S-610	Type 5 CI	26.50	0.582	0.304	0.177	37.54	0.28	4.34	1.138	0.000	4.94	0.01	137.22	2.46	132.10	131.90	0.20	1	24		0.459%	1.57	15.10	TAILWATER EL. (ft): 132.71
611+90.00	12.00	Rt.	S-611	Type 5 CI	26.50	0.540	2.106	1.138	37.54	0.28	4.34	1.138	0.000	4.94	0.01	137.22	2.46	130.10	129.90	0.20	1	24		0.38%	4.81	15.10	TAILWATER EL. (ft): 132.71
CL_CR557A_NEW			S-611	Type 5 CI	210.34	0.848	0.084	0.071	37.82	2.16	4.33	1.844	0.000	7.98	0.66	137.22	2.48	134.76	134.74	0.02	1	30		0.107%	1.62	13.74	TAILWATER EL. (ft): 132.71
611+90.00	-12.00	Lt.	S-613	Type 5 CI	210.34	0.503	3.668	1.844	37.82	2.16	4.33	1.844	0.000	7.98	0.66	137.22	2.48	132.40	132.20	0.20	1	30		0.10%	2.80	13.74	TAILWATER EL. (ft): 132.71
CL_CR557A_NEW			S-612	Type 5 CI	38.78	0.690	0.221	0.153	10.00	0.87	7.45	0.153	0.000	1.14	0.01	137.61	3.58	129.90	129.70	0.20	1	18		0.08%	0.74	5.79	TAILWATER EL. (ft): 132.71
614+00.00	23.75	Rt.	S-613	Type 5 CI	38.78	0.690	0.221	0.153	10.00	0.87	7.45	0.153	0.000	1.14	0.01	137.61	3.58	134.03	134.02	0.01	1	18		0.034%	0.74	5.79	TAILWATER EL. (ft): 132.71
CL_CR557A_NEW			S-613	Type 5 CI	168.30	0.749	0.170	0.127	39.98	1.54	4.20	2.124	0.000	8.92	0.18	137.85	3.83	132.10	132.00	0.10	1	30		0.26%	3.28	5.79	TAILWATER EL. (ft): 132.71
614+00.00	-12.53	Lt.	S-600	Type 5 CI	168.30	0.523	4.059	2.124	39.98	1.54	4.20	2.124	0.000	8.92	0.18	137.85	3.83	134.02	133.76	0.25	1	30		0.113%	1.82	15.36	TAILWATER EL. (ft): 132.71
																		129.70	129.50	0.20				0.08%	3.13	15.36	TAILWATER EL. (ft): 132.71

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 6 - S-607

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: S-607  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE											CROWN								
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER	COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	FREQUENCY (yrs): 10.00 Year	MANNINGS n:	TAILWATER EL. (ft): 134.33											
																HYD. GRAD.	PHYSICAL VELOCITY (fps)	ZONE: Zone 8								
CL_CR557			S-607	Type C DBI	69.20	0.586	0.557	0.327	20.55	0.63	5.74	0.327	0.000	1.88	0.10	137.66	3.20	134.46	134.33	0.13	1	18	1.84	6.29		
1402+00.00	8.23	Rl	OUT-607	0.586	0.557	0.327	135.20	134.99	0.21	3.56	0.30%	1.84	6.29													
							133.70	133.49	0.21	0.15%																

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 6 - SD6-1

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD6-1  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS			
ALIGNMENT NAME						COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)										UPPER END ELEVATION (ft)	CROWN FLOWLINE ELEVATION	LOWER END ELEVATION (ft)						FALL (ft)	RISE	HYD. GRAD.	PHYSICAL
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER	TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)				INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)				FALL (ft)	NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)				
CL_CR557			SD6-1A	HWMESC18RCP4S	49.71	0.472	0.848	0.400	34.05	0.23	4.56	0.400	0.000	1.83	0.15	132.37	-0.70	133.07	132.66	0.41	1	18	0.825%	3.65	7.24	ZONE: Zone 8			
1382+70.11			SD6-1B			0.472	0.848	0.400										133.87	133.67	0.20						0.40%	4.10	MANNINGS n: TAILWATER EL. (ft): 132.85	
																		132.37	132.17	0.20						0.15%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 7 - Pond 7

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Pond 7  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS		
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	COMPOSITE C VALUE										AREA	SUB-TOTAL (C'A)	UPPER END ELEVATION (ft)								LOWER END ELEVATION (ft)	FALL (ft)
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER	TYPE OF STRUCTURE	LENGTH (ft)	COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)	TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	CROWN			NUMBER OF BARRELS	PIPE SIZE (in)	SPAN	HYD. GRAD.	PHYSICAL	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
																		UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)									
CL_CR557			S-701	Type E DBI	76.99	0.601	7.046	4.238	68.84	0.49	3.05	4.238	0.000	12.93	0.11	132.62	-0.53	133.15	132.97	0.17	1	30		0.133%	2.63	16.06			
1424+00.00	-70.50	Ll	S-702			0.601	7.046	4.238										131.40	131.30	0.10				0.13%					
CL_CR557			S-702			0.204	0.337	0.069										128.90	128.80	0.10				0.08%					
1424+00.00	6.49	Rt	S-703	Type C DBI	64.01	0.204	0.337	0.069	69.33	0.40	3.04	4.307	0.000	13.08	0.00	135.40	2.42	132.97	132.92	0.06	1	30		0.165%	2.66	17.61			
CL_CR557			S-703			0.583	7.383	4.307										131.30	131.20	0.10				0.16%					
CL_CR557			S-703			0.526	6.228	3.275										128.80	128.70	0.10				0.08%					
1424+00.00	70.50	Rt	OUT-703	Type E DBI	92.58	0.526	6.228	3.275	69.74	0.48	3.03	7.582	0.000	22.94	0.00	132.62	-0.30	132.92	132.82	0.10	1	36		0.336%	3.24	41.24			
CL_CR557			S-703			0.557	13.611	7.582										125.80	125.50	0.30				0.32%					
CL_CR557			S-703			0.557	13.611	7.582										122.80	122.50	0.30				0.06%					

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 7 - S-700

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: S-700  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	COMPOSITE C-VALUE										AREA	SUB-TOTAL (C°A)	CROWN						
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER															UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)						
CL_CR557			S-700	MESC18RCP4S-o	51.45	0.314	1.374	0.432	50.00	0.12	3.71	0.432	0.000	1.60	0.05	134.95	-0.80	135.75	133.83	1.92	1	18	3.736%	6.95	18.86	
1414+76.00	-9.52	Lt.	OUT-700			0.314	1.374	0.432										136.45	135.04	1.41			2.73%	10.67		
																		134.95	133.54	1.41			0.15%			

Remarks: Computations performed using GEOPAK Drainage.



**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 7 - S-704

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: S-704  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME	STATION	OFFSET DISTANCE (ft.)				COMPOSITE C-VALUE	AREA	SUB-TOTAL (C-A)										CROWN								
			UPPER LOWER	PHYSICAL	MIN. PHYSICAL				PHYSICAL VELOCITY (fps)																	
CL_CR557			S-704	MESC18RCP4S-o	51.44	0.200	1.060	0.212	65.15	0.16	3.16	0.212	0.000	0.67	0.02	134.18	-0.58	134.75	132.96	1.80	1	18	3.493%	5.29	18.86	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: TAILWATER EL. (ft): 134.18
1427+00.00	-9.53	Lt.	OUT-704			0.200	1.060	0.212										135.68	134.27	1.41			2.73%	10.67		
																		134.18	132.77	1.41			0.15%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 7 - SD7-1

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD7-1  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS		
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	COMPOSITE C-VALUE										AREA	SUB-TOTAL (C-A)	CROWN							UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER																									
CL_CR557			SD7-1B	MESC24RCP4S-o	68.94	0.527	3.361	1.773	53.25	0.31	3.58	1.773	0.000	6.34	0.17	132.69	-1.35	134.04	133.70	0.34	1	24	0.495%	3.75	6.62	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: TAILWATER EL. (ft): 133.70		
1425+24.97	70.50	Rt.	SD7-1A			0.527	3.361	1.773										134.69	134.64	0.05			0.07%	2.11				
																		132.69	132.64	0.05			0.10%					

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 7 - SD7-2

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD7-2  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C°A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	COMPOSITE C-VALUE										AREA	SUB-TOTAL (C°A)	CROWN						
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER														UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)							
CL_CR557			SD7-2B	MESC24RCP4S-o	55.94	0.525	2.689	1.411	44.12	0.32	3.98	1.411	0.000	5.62	0.12	132.90	-1.34	134.24	134.04	0.20	1	24	0.351%	2.91	6.57	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: TAILWATER EL. (ft): 134.04
1429+47.97	70.50	Rt.	SD7-2A			0.525	2.689	1.411									134.90	134.86	0.04			0.07%	2.09			
																	132.90	132.86	0.04			0.10%				

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 7 - SD7-3

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD7-3  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS	
ALIGNMENT NAME	STATION	OFFSET INSTANCE (ft.)				SIDE	UPPER LOWER	INCREMENTAL										SUB-TOTAL (C-A)	CROWN								FLOWLINE ELEVATION
			COMPOSITE C-VALUE	AREA	UPPER			LOWER	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	PHYSICAL VELOCITY (fps)															
CL_CR557				SD7-3B	MESC19ECP4S-o	45.28	0.601	0.945	0.568	15.07	0.36	6.48	0.568	0.000	3.68	0.07	133.48	-0.95	134.43	134.33	0.10	1	19" x 30"	0.219%	2.07	5.81	
1441+10.64		-70.50	Lt.	SD7-3A			0.601	0.945	0.568										135.06	135.03	0.03			0.06%	1.87		
																			133.48	133.45	0.03			0.11%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 8 - Pond 8

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: Pond 8  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END		STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS	
ALIGNMENT NAME					UPPER LOWER	TYPE OF STRUCTURE	COMPOSITE C VALUE										AREA	SUB-TOTAL (C'A)	CROWN							UPPER END ELEVATION (ft)
STATION	OFFSET DISTANCE (ft)	SIDE	COMPOSITE C VALUE	AREA				SUB-TOTAL (C'A)	TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)			HGL CLEARANCE (ft)	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	
CL_CR557			S-804	Type D DBI	360.05	0.546	7.145	3.902	75.65	3.79	2.87	3.902	0.000	11.18	0.04	132.66	-1.32	133.97	133.85	0.13	1	36	0.150%	1.58	27.00	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1473+00.00	-69.50	Lt.	S-805			0.546	7.145	3.902										129.80	129.30	0.50			0.14%	3.82		
CL_CR557			S-805	Type D DBI	200.86	0.687	0.703	0.483	79.44	1.95	2.77	4.385	0.000	12.16	0.00	132.18	-1.67	133.85	133.79	0.06	1	36	0.094%	1.72	22.86	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1477+00.00	-63.79	Lt.	S-807			0.559	7.848	4.385										129.30	129.10	0.20			0.10%	3.23		
CL_CR557			S-806	Type E DBI	121.29	0.550	6.578	3.616	90.06	2.12	2.54	3.616	0.000	9.18	0.01	132.37	-1.44	133.81	133.79	0.02	1	42	0.167%	0.95	44.38	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1479+00.00	60.26	Rt.	S-807			0.550	6.578	3.616										126.70	126.50	0.20			0.16%	4.61		
CL_CR557			S-807	Type E DBI	98.73	0.556	0.819	0.456	92.18	0.71	2.50	8.993	0.000	22.44	0.17	132.08	-1.71	133.79	133.58	0.21	1	42	0.429%	2.33	69.56	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1479+00.00	-61.03	Lt.	OUT-807			0.558	16.124	8.993										126.50	126.10	0.40			0.41%	7.23		
CL_CR557			S-808	Type D DBI	202.10	0.551	0.204	0.112	20.69	3.45	5.72	0.536	0.000	3.07	0.00	132.76	-1.06	133.82	133.79	0.03	1	24	0.143%	0.98	9.47	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1481+00.00	-59.50	Lt.	S-807			0.609	0.880	0.536										126.40	126.10	0.30			0.15%	3.01		
CL_CR557			S-809	Type D DBI	292.98	0.566	0.454	0.257	15.09	5.59	6.47	0.424	0.000	2.74	0.01	132.29	-1.58	133.87	133.82	0.05	1	24	0.132%	0.87	9.08	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1483+90.00	-59.50	Lt.	S-808			0.627	0.676	0.424										126.80	126.40	0.40			0.14%	2.89		
CL_CR557			S-810	Type S GI	107.94	0.752	0.222	0.167	10.00	2.56	7.45	0.167	0.000	1.24	0.01	135.51	1.61	133.90	133.87	0.02	1	18	0.198%	0.70	4.91	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1484+00.00	43.12	Rt.	S-809			0.752	0.222	0.167										126.50	126.30	0.20			0.19%	2.78		
CL_CR557			S-810	Type S GI	107.94	0.752	0.222	0.167	10.00	2.56	7.45	0.167	0.000	1.24	0.01	135.51	1.61	125.00	124.80	0.20	1	18	0.15%	2.78	4.91	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 133.58
1484+00.00	43.12	Rt.	S-809			0.752	0.222	0.167										125.00	124.80	0.20			0.15%	2.78		

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 8 - S-805

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: S-805  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE											CROWN									
STATION	OFFSET DISTANCE (ft)	SIDE	UPPER LOWER	COMPOSITE C VALUE	AREA	SUB-TOTAL (C'A)	TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C'A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS		
																										PHYSICAL	
CL_CR557			S-802	Type C DBI	54.47	0.203	0.414	0.084	40.14	3.09	4.19	0.084	0.000	0.35	0.00	136.47	1.80	134.67	134.67	0.00	1	18		0.006%	0.29	6.91	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: 0.012 TAILWATER EL. (ft): 134.67
1458+25.00	-6.50	LL	OUT-802			0.203	0.414	0.084								135.40	135.20	0.20						0.37%	3.91		
																133.90	133.70	0.20						0.15%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 8 - S-806

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: S-806  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	COMPOSITE C-VALUE										AREA	SUB-TOTAL (C-A)	CROWN						
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER																							
CL_CR557			S-803	MESC18RCP4S-o	51.44	0.205	0.940	0.193	56.84	0.16	3.44	0.193	0.000	0.66	0.02	134.34	-0.57	134.91	133.12	1.79	1	18	3.478%	5.27	18.81	
1467+65.00	-9.53	Lt.	OUT-803			0.205	0.940	0.193										135.83	134.44	1.40			2.72%	10.64		
																		134.33	132.94	1.40			0.15%			

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 8 - SD-1

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD8-1  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	CROWN										FLOWLINE ELEVATION								
STATION	OFFSET (ft.)	INSTANCE (ft.)	SIDE	UPPER LOWER	COMPOSITE C-VALUE	AREA	SUB-TOTAL (C-A)											UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)		RISE	HYD. GRAD.	PHYSICAL VELOCITY (fps)		
CL_CR557				SD8-1A													135.45	135.28	0.17							
1451+42.03	70.50		Rt.	SD8-1B	MESS24RCP4S-o	61.69	0.531	1.305	0.693	22.45	0.41	5.53	0.693	0.000	3.83	0.11	138.86	3.41								
							0.531	1.305	0.693								136.40	136.31	0.09		1	24	0.275%	2.54		
																	134.40	134.31	0.09				0.15%	2.99		
																							0.10%		9.39	

Remarks: Computations performed using GEOPAK Drainage.



**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 8 - SD-2

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD8-2  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
ALIGNMENT NAME						INCREMENTAL	CUMULATIVE	COMPOSITE C-VALUE										AREA	SUB-TOTAL (C-A)	CROWN						
STATION	OFFSET (ft.)	INSTANCE (ft.)	SIDE	UPPER LOWER														UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)						
CL_CR557				SD8-2A														135.11	134.65	0.46						
1458+52.03	-71.02		Lt.	SD8-2B	MESS24RCP4S-o	188.26	0.576	3.230	1.861	46.64	0.98	3.86	1.861	0.000	7.19	0.20	133.70	135.70	135.30	0.40			0.246%	3.19		
							0.576	3.230	1.861									133.70	133.30	0.40			0.21%	3.61		
																							0.10%		11.33	

Remarks: Computations performed using GEOPAK Drainage.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
STORM SEWER TABULATION FORM**

Financial Project ID: 18-73  
Description: Basin 8 - SD-6

County: Polk  
Organization: Dewberry Engineers, Inc.

Network: SD8-6  
State Road: CR 557

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Prepared by: AA  
Checked by: SVC

Date: 01/23/2023  
Date: 01/23/2023

STATION	OFFSET INSTANCE (ft.)	SIDE	UPPER LOWER	STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C-A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in)	RISE	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS				
							COMPOSITE C-VALUE	AREA	SUB-TOTAL (C-A)										CROWN										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	HYD. GRAD.
																			FLOWLINE ELEVATION													
CL_CR557			SD8-6A		MESS30RCP4S-o	39.94	0.000	0.000	0.000	0.00	0.18	0.00	0.000	0.000	10.14	0.20	132.84	-1.61	134.44	134.17	0.27	1	30	0.682%	3.72	ZONE: Zone 8 FREQUENCY (yrs): 10.00 Year MANNINGS n: TAILWATER EL. (ft): 134.17						
1469+82.03	-70.50	Lt.	SD8-6B				0.000	0.000	0.000										135.34	135.31	0.03			0.07%	2.45							
																			132.84	132.81	0.03			0.08%								

Remarks: Computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 1A

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
(nil)	1193+00.00	35.00	LT	Type 5 CI	0.35	0.77	4.00	2.25	0.00	2.25	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nil)	1193+00.00	35.00	RT	Type 5 CI	0.59	0.52	4.00	2.57	0.00	2.57	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 1B

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
(nl)	1199+45.27	35.00	LT	Type 6 CI	0.25	0.76	4.00	1.59	0.00	1.59	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1199+00.00	35.00	LT	Type 5 CI	0.17	0.75	4.00	1.06	0.00	1.06	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1199+45.27	35.00	RT	Type 6 CI	0.25	0.68	4.00	1.39	0.00	1.39	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1196+70.00	35.00	LT	Type 5 CI	0.12	0.75	4.00	0.76	0.00	0.76	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1199+00.00	35.00	RT	Type 5 CI	0.35	0.63	4.00	1.83	0.00	1.83	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1196+70.00	35.00	RT	Type 5 CI	0.18	0.51	4.00	0.78	0.00	0.78	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 1C

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
(nl)	1201+00.00	35.00	LT	Type 5 CI	0.38	0.75	4.00	2.36	0.00	2.36	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1201+00.00	35.00	RT	Type 5 CI	0.43	0.61	4.00	2.19	0.00	2.19	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1204+00.00	35.00	LT	Type 5 CI	0.13	0.76	4.00	0.80	0.00	0.80	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1204+00.00	35.00	RT	Type 5 CI	0.17	0.55	4.00	0.76	0.00	0.76	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1208+00.00	35.00	LT	Type 5 CI	0.36	0.78	4.00	2.35	0.00	2.35	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1208+00.00	35.00	RT	Type 5 CI	0.82	0.45	4.00	3.06	0.00	3.06	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1209+65.22	35.00	LT	Type 6 CI	0.27	0.87	4.00	1.92	0.00	1.92	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1209+65.22	35.00	RT	Type 6 CI	0.88	0.43	4.00	3.18	0.00	3.18	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1211+00.00	35.00	LT	Type 5 CI	0.19	0.81	4.00	1.22	0.00	1.22	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1209+10.00	43.00	RT	Type C DBI	1.33	0.35	4.00	3.83	0.00	3.83	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1211+00.00	35.00	RT	Type 5 CI	0.38	0.41	4.00	1.20	0.00	1.20	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1214+00.00	35.00	LT	Type 5 CI	0.19	0.75	4.00	1.10	0.00	1.10	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1214+00.00	35.00	RT	Type 5 CI	0.67	0.30	4.00	1.54	0.00	1.54	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1215+50.00	35.00	LT	Type 5 CI	0.19	0.75	4.00	1.10	0.00	1.10	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1215+50.00	35.00	RT	Type 5 CI	0.91	0.26	4.00	1.82	0.00	1.82	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1216+75.00	35.00	LT	Type 5 CI	0.16	0.75	4.00	0.92	0.00	0.92	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1216+75.00	35.00	RT	Type 5 CI	0.92	0.24	4.00	1.71	0.00	1.71	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1218+00.00	35.00	LT	Type 5 CI	0.16	0.75	4.00	0.92	0.00	0.92	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1218+00.00	35.00	RT	Type 5 CI	1.04	0.23	4.00	1.85	0.00	1.85	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1220+00.00	35.00	LT	Type 6 CI	0.43	0.76	4.00	2.56	0.00	2.56	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1220+00.00	35.00	RT	Type 6 CI	1.02	0.26	4.00	2.08	0.00	2.08	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1221+50.00	35.00	LT	Type 5 CI	0.18	0.81	4.00	1.22	0.00	1.22	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1219+50.00	35.00	RT	Type 5 CI	0.62	0.33	4.00	1.60	0.00	1.60	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1220+50.00	35.00	RT	Type 5 CI	0.80	0.26	4.00	1.60	0.00	1.60	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1221+50.00	35.00	RT	Type 5 CI	0.70	0.29	4.00	1.66	0.00	1.66	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1223+00.00	35.00	LT	Type 5 CI	0.14	0.87	4.00	0.97	0.00	0.97	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1219+00.00	35.00	RT	Type 5 CI	0.95	0.25	4.00	1.81	0.00	1.81	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1224+10.00	35.00	LT	Type 5 CI	0.12	0.87	4.00	0.90	0.00	0.90	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	
(nl)	1224+10.00	35.00	RT	Type 5 CI	0.09	0.82	4.00	0.61	0.00	0.61	0.043	0.0000	0.016	4.78	7.50	N/A	0.23	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 2

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-207	1234+00.00	35.00	LT	Type 5 CI	0.40	0.87	4.00	2.61	0.00	2.61	0.040	2.7095	0.016	5.61	7.50	N/A	1.40	0.00	
S-205	1231+00.00	35.00	LT	Type 5 CI	0.38	0.78	4.00	2.22	0.00	2.22	0.041	2.3079	0.016	5.35	7.50	N/A	1.19	0.00	
S-206	1234+00.00	35.00	RT	Type 5 CI	0.57	0.85	4.00	3.57	0.00	3.57	0.037	2.7095	0.016	6.61	7.50	N/A	1.92	0.00	
S-209	1237+00.00	35.00	LT	Type 5 CI	0.39	0.82	4.00	2.37	0.00	2.37	0.039	2.0631	0.016	5.73	7.50	N/A	1.27	0.00	
S-203	1228+00.00	35.00	LT	Type 5 CI	0.20	0.85	4.00	1.26	0.00	1.26	0.036	0.3000	0.016	6.81	7.50	N/A	0.68	0.00	
S-208	1237+00.00	47.00	RT	Type 5 CI	0.35	0.84	4.00	2.17	0.00	2.17	0.040	2.0631	0.016	5.46	7.50	N/A	1.17	0.00	
S-211	1238+50.00	35.00	LT	Type 5 CI	0.18	0.78	4.00	1.04	0.00	1.04	0.040	0.4470	0.016	5.55	7.50	N/A	0.56	0.00	
S-201	1226+50.00	35.00	LT	Type 5 CI	0.20	0.87	4.00	1.30	0.00	1.30	0.036	0.3000	0.016	6.92	7.50	N/A	0.70	0.00	
S-202	1228+00.00	47.00	RT	Type 5 CI	0.20	0.83	4.00	1.26	0.00	1.26	0.036	0.3000	0.016	6.81	7.50	N/A	0.68	0.00	
S-213	1238+91.49	35.00	LT	Type 6 CI	0.24	0.85	4.00	1.50	0.00	1.50	0.094		0.016	6.62	7.50	3.62	N/A	0.00	
S-200	1226+30.00	35.00	RT	Type 5 CI	0.12	0.82	4.00	0.76	0.00	0.76	0.041	0.3000	0.016	5.19	7.50	N/A	0.41	0.00	
S-204	1229+20.00	47.00	RT	Type 5 CI	0.16	0.81	4.00	0.95	0.00	0.95	0.046	0.8622	0.016	4.29	7.50	N/A	0.51	0.00	
S-212	1238+86.00	47.00	RT	Type 6 CI	0.29	0.92	4.00	1.99	0.00	1.99	0.094		0.016	7.63	7.50	4.72	N/A	0.00	
S-215	1240+40.00	35.00	LT	Type 5 CI	0.41	0.88	4.00	2.71	0.00	2.71	0.037	1.6000	0.016	6.57	7.50	N/A	1.46	0.00	
S-210	1238+50.00	47.00	RT	Type 5 CI	0.21	0.93	4.00	1.43	0.00	1.43	0.037	0.4470	0.016	6.56	7.50	N/A	0.77	0.00	
S-214	1240+40.00	35.00	RT	Type 5 CI	0.06	0.82	4.00	0.35	0.00	0.35	0.094	1.6000	0.016	1.35	7.50	N/A	0.19	0.00	
S-217	1243+50.00	35.00	LT	Type 5 CI	0.40	0.85	4.00	2.51	0.00	2.51	0.038	1.8167	0.016	6.11	7.50	N/A	1.35	0.00	
S-214A	1241+00.00	35.00	RT	Type 5 CI	1.46	0.32	4.00	3.48	0.00	3.48	0.035	1.6000	0.016	7.43	7.50	N/A	1.87	0.00	
S-216	1243+50.00	35.00	RT	Type 5 CI	1.48	0.32	4.00	3.52	0.00	3.52	0.035	1.8167	0.016	7.24	7.50	N/A	1.89	0.00	
S-219	1246+50.00	35.00	LT	Type 5 CI	0.38	0.76	4.00	2.15	0.00	2.15	0.043	2.9000	0.016	4.91	7.50	N/A	1.15	0.00	
S-218	1246+50.00	35.00	RT	Type 5 CI	1.36	0.37	4.00	3.76	0.00	3.76	0.037	2.9000	0.016	6.67	7.50	N/A	2.02	0.00	
S-221	1249+50.00	35.00	LT	Type 5 CI	0.24	0.79	4.00	1.42	0.00	1.42	0.046	1.9417	0.016	4.30	7.50	N/A	0.76	0.00	
S-220	1249+50.00	35.00	RT	Type 5 CI	0.85	0.53	4.00	3.38	0.00	3.38	0.036	1.9417	0.016	6.98	7.50	N/A	1.81	0.00	
S-223	1251+50.00	35.00	LT	Type 5 CI	0.26	0.85	4.00	1.63	0.00	1.63	0.040	1.1750	0.016	5.45	7.50	N/A	0.88	0.00	
S-222	1251+50.00	47.00	RT	Type 5 CI	0.46	0.65	4.00	2.19	0.05	2.25	0.037	1.1750	0.016	6.61	7.50	N/A	1.26	0.00	
S-227	1253+60.00	35.00	LT	Type 5 CI	0.32	0.87	4.00	2.08	0.00	2.08	0.035	0.6000	0.016	7.35	7.50	N/A	1.12	0.00	
S-226	1253+60.00	35.00	RT	Type 5 CI	0.23	0.85	4.00	1.46	0.00	1.46	0.038	0.6000	0.016	6.15	7.50	N/A	0.78	0.00	
S-230	1256+00.00	35.00	LT	Type 5 CI	0.28	0.81	4.00	1.69	0.00	1.69	0.039	1.0000	0.016	5.80	7.50	N/A	0.91	0.00	
S-225	1252+85.00	74.00	RT	Type C DBI	0.33	0.56	4.00	1.37	0.00	1.37	0.039	0.6575	0.016	5.80	7.50	N/A	0.68	0.05	S-222
S-228	1254+00.00	43.00	RT	Type C DBI	2.15	0.52	4.00	6.44	0.00	6.44	0.028	0.6000	0.016	13.36	7.50	N/A	2.93	1.51	
S-229	1256+00.00	35.00	RT	Type 5 CI	0.23	0.78	4.00	1.32	0.00	1.32	0.042	1.0000	0.016	5.05	7.50	N/A	0.71	0.00	
S-232	1258+20.00	35.00	LT	Type 5 CI	0.15	0.80	4.00	0.91	0.00	0.91	0.048	1.0000	0.016	3.96	7.50	N/A	0.49	0.00	
S-231	1258+20.00	35.00	RT	Type 5 CI	0.13	0.78	4.00	0.73	0.00	0.73	0.053	1.0000	0.016	3.35	7.50	N/A	0.39	0.00	
S-234	1259+40.00	35.00	LT	Type 5 CI	0.34	0.80	4.00	2.01	0.00	2.01	0.037	1.0000	0.016	6.36	7.50	N/A	1.08	0.00	
S-233	1259+40.00	11.00	RT	Type 5 CI	0.06	0.77	4.00	0.36	0.00	0.36	0.094	1.0000	0.016	1.48	7.50	N/A	0.19	0.00	
S-235	1260+00.00	11.00	RT	Type 5 CI	0.22	0.77	4.00	1.27	0.00	1.27	0.042	1.0000	0.016	4.95	7.50	N/A	0.68	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 3

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-321	1283+20.00	35.00	LT	Type 5 CI	0.26	0.76	4.00	1.46	0.00	1.46	0.035	0.3000	0.016	7.31	7.50	N/A	0.78	0.00	
S-319	1282+00.00	35.00	LT	Type 5 CI	0.15	0.75	4.00	0.85	0.00	0.85	0.040	0.3000	0.016	5.52	7.50	N/A	0.45	0.00	
S-322	1283+20.00	35.00	RT	Type 5 CI	0.18	0.77	4.00	1.04	0.00	1.04	0.031	0.3000	0.016	7.35	7.50	N/A	0.56	0.00	
S-324	1285+25.00	35.00	LT	Type 5 CI	0.09	0.75	4.00	0.52	0.00	0.52	0.047	0.3000	0.016	4.11	7.50	N/A	0.28	0.00	
S-317	1280+25.00	35.00	LT	Type 6 CI	0.38	0.75	4.00	2.11	0.00	2.11	0.094		0.016	6.34	7.50	5.00	N/A	0.00	
S-320	1282+00.00	35.00	RT	Type 5 CI	0.12	0.77	4.00	0.71	0.00	0.71	0.042	0.3000	0.016	5.00	7.50	N/A	0.38	0.00	
S-325	1285+25.00	11.00	RT	Type 5 CI	0.08	0.78	4.00	0.45	0.00	0.45	0.025	0.3000	0.016	6.61	7.50	N/A	0.24	0.00	
S-326	1287+50.00	35.00	LT	Type 5 CI	0.18	0.78	4.00	1.03	0.00	1.03	0.038	0.3000	0.016	6.13	7.50	N/A	0.55	0.00	
S-315	1279+00.00	35.00	LT	Type 5 CI	0.13	0.75	4.00	0.70	0.00	0.70	0.042	0.5000	0.016	4.63	7.50	N/A	0.38	0.00	
S-318	1280+25.00	35.00	RT	Type 6 CI	0.31	0.77	4.00	1.78	0.00	1.78	0.094		0.016	5.80	7.50	4.24	N/A	0.00	
S-323	1284+95.00	11.00	RT	Type 5 CI	0.03	0.79	4.00	0.20	0.00	0.20	0.023	0.3000	0.016	5.70	7.50	N/A	0.11	0.00	
S-327	1287+50.00	1.00	LT	Type 5 CI	0.17	0.89	4.00	1.10	0.00	1.10	0.035	0.3000	0.016	6.52	7.50	N/A	0.59	0.00	
S-329	1289+00.00	35.00	LT	Type 6 CI	0.43	0.85	4.00	2.72	0.00	2.72	0.094		0.016	7.39	7.50	6.38	N/A	0.00	
S-316	1279+00.00	35.00	RT	Type 5 CI	0.26	0.84	4.00	1.60	0.00	1.60	0.036	0.5000	0.016	6.75	7.50	N/A	0.86	0.00	
S-328	1288+85.00	1.00	LT	Type 5 CI	0.15	0.92	4.00	1.03	0.00	1.03	0.035	0.3000	0.016	6.34	7.50	N/A	0.56	0.00	
S-330	1290+00.00	35.00	LT	Type 5 CI	0.20	0.87	4.00	1.29	0.00	1.29	0.036	0.3000	0.016	6.88	7.50	N/A	0.69	0.00	
S-312	1276+50.00	35.00	RT	Type 5 CI	0.25	0.77	4.00	1.46	0.00	1.46	0.037	0.5000	0.016	6.44	7.50	N/A	0.78	0.00	
S-331	1290+10.00	11.00	RT	Type 5 CI	0.18	0.82	4.00	1.12	0.00	1.12	0.034	0.3000	0.016	6.59	7.50	N/A	0.60	0.00	
S-332	1291+50.00	35.00	LT	Type 5 CI	0.07	0.87	4.00	0.43	0.00	0.43	0.051	0.3000	0.016	3.55	7.50	N/A	0.23	0.00	
S-310	1274+00.00	35.00	RT	Type 5 CI	0.20	0.78	4.00	1.16	0.00	1.16	0.050	2.0000	0.016	3.69	7.50	N/A	0.62	0.00	
S-311	1276+50.00	11.00	LT	Type 5 CI	0.32	0.75	4.00	1.80	0.00	1.80	0.033	0.5000	0.016	7.30	7.50	N/A	0.97	0.00	
S-335	1293+50.00	35.00	LT	Type 5 CI	0.19	0.80	4.00	1.15	0.00	1.15	0.037	0.3000	0.016	6.50	7.50	N/A	0.62	0.00	
S-308	1272+00.00	35.00	RT	Type 5 CI	0.25	0.83	4.00	1.54	0.00	1.54	0.045	2.0000	0.016	4.49	7.50	N/A	0.83	0.00	
S-309	1274+00.00	11.00	LT	Type 5 CI	0.26	0.77	4.00	1.49	0.00	1.49	0.040	2.0000	0.016	4.65	7.50	N/A	0.80	0.00	
S-313	1277+60.00	11.00	LT	Type 5 CI	0.14	0.75	4.00	0.79	0.00	0.79	0.025	0.5000	0.016	7.26	7.50	N/A	0.42	0.00	
S-336	1293+48.00	11.00	RT	Type 5 CI	0.03	0.77	4.00	0.20	0.00	0.20	0.026	0.3000	0.016	5.09	7.50	N/A	0.11	0.00	
S-337	1294+75.00	35.00	LT	Type 6 CI	0.34	0.75	4.00	1.90	0.00	1.90	0.094		0.016	6.02	7.50	4.52	N/A	0.00	
S-306	1269+40.00	35.00	RT	Type 5 CI	0.17	0.92	4.00	1.14	0.00	1.14	0.057	3.2000	0.016	3.00	7.50	N/A	0.61	0.00	
S-307	1272+00.00	1.00	RT	Type 5 CI	0.35	0.87	4.00	2.27	0.00	2.27	0.036	2.0000	0.016	5.84	7.50	N/A	1.22	0.00	
S-314	1278+00.00	11.00	LT	Type 5 CI	0.05	0.75	4.00	0.28	0.00	0.28	0.020	0.5000	0.016	6.99	7.50	N/A	0.15	0.00	
S-334	1293+15.00	11.00	RT	Type 5 CI	0.07	0.78	4.00	0.39	0.00	0.39	0.027	0.3000	0.016	5.97	7.50	N/A	0.21	0.00	
S-338	1294+75.00	35.00	RT	Type 6 CI	0.28	0.77	4.00	1.61	0.00	1.61	0.094		0.016	5.51	7.50	3.87	N/A	0.00	
S-305	1269+40.00	35.00	LT	Type 5 CI	0.05	0.88	4.00	0.33	0.00	0.33	0.094	3.2000	0.016	1.16	7.50	N/A	0.18	0.00	
S-333	1292+50.00	11.00	RT	Type 5 CI	0.05	0.81	4.00	0.29	0.00	0.29	0.053	0.3000	0.016	2.90	7.50	N/A	0.16	0.00	
S-340	1296+20.00	35.00	RT	Type 5 CI	0.24	0.77	4.00	1.35	0.00	1.35	0.036	0.3038	0.016	7.02	7.50	N/A	0.73	0.00	S-338
S-304	1269+00.00	35.00	LT	Type 5 CI	0.13	0.83	4.00	0.78	0.00	0.78	0.068	3.5000	0.016	2.17	7.50	N/A	0.42	0.00	
S-339	1296+20.00	11.00	LT	Type 5 CI	0.04	0.75	4.00	0.21	0.00	0.21	0.020	0.3038	0.016	6.79	7.50	N/A	0.11	0.00	S-337
S-344	1298+50.00	35.00	RT	Type 5 CI	0.15	0.77	4.00	0.88	0.00	0.88	0.040	0.3038	0.016	5.62	7.50	N/A	0.47	0.00	S-340
S-303	1267+95.00	35.00	LT	Type 5 CI	0.18	0.84	4.00	1.15	0.00	1.15	0.058	3.5000	0.016	2.90	7.50	N/A	0.62	0.00	
S-341	1296+50.00	11.00	LT	Type 5 CI	0.06	0.75	4.00	0.35	0.00	0.35	0.027	0.3038	0.016	5.81	7.50	N/A	0.19	0.00	
S-343	1298+50.00	11.00	LT	Type 5 CI	0.19	0.75	4.00	1.07	0.00	1.07	0.035	0.3038	0.016	6.43	7.50	N/A	0.58	0.00	S-342
S-346	1302+00.00	35.00	RT	Type 5 CI	0.20	0.77	4.00	1.17	0.00	1.17	0.037	0.3000	0.016	6.56	7.50	N/A	0.63	0.00	S-347
S-300	1266+38.00	35.00	LT	Type 5 CI	0.53	0.81	4.00	3.17	0.00	3.17	0.039	3.5000	0.016	5.81	7.50	N/A	1.70	0.00	
S-302	1267+82.00	1.00	LT	Type 5 CI	0.09	0.92	4.00	0.62	0.00	0.62	0.035	3.5000	0.016	3.71	7.50	N/A	0.34	0.00	
S-342	1297+00.00	11.00	LT	Type 5 CI	0.19	0.76	4.00	1.09	0.00	1.09	0.031	0.3038	0.016	7.15	7.50	N/A	0.58	0.00	S-341
S-345	1302+00.00	11.00	LT	Type 5 CI	0.26	0.75	4.00	1.43	0.00	1.43	0.033	0.3000	0.016	7.40	7.50	N/A	0.77	0.00	S-348
S-347	1303+50.00	35.00	RT	Type 5 CI	0.15	0.77	4.00	0.88	0.00	0.88	0.040	0.3000	0.016	5.64	7.50	N/A	0.47	0.00	S-352
S-301	1267+00.00	1.00	LT	Type 5 CI	0.52	0.81	4.00	3.15	0.00	3.15	0.033	3.5000	0.016	6.47	7.50	N/A	1.69	0.00	
S-348	1303+50.00	11.00	LT	Type 5 CI	0.19	0.75	4.00	1.07	0.00	1.07	0.033	0.3000	0.016	6.83	7.50	N/A	0.58	0.00	
S-352	1305+50.00	35.00	RT	Type 5 CI	0.22	0.73	4.00	1.23	0.00	1.23	0.037	0.3000	0.016	6.71	7.50	N/A	0.66	0.00	
S-349	1304+05.00	11.00	LT	Type 5 CI	0.07	0.74	4.00	0.39	0.00	0.39	0.026	0.3000	0.016	6.28	7.50	N/A	0.21	0.00	
S-351	1305+50.00	35.00	LT	Type 5 CI	0.16	0.70	4.00	0.83	0.00	0.83	0.040	0.3000	0.016	5.48	7.50	N/A	0.45	0.00	
S-350	1304+35.00	11.00	LT	Type 5 CI	0.04	0.70	4.00	0.22	0.00	0.22	0.020	0.3000	0.016	6.91	7.50	N/A	0.12	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 4

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-413	1318+00.00	35.00	LT	Type 5 CI	0.14	0.70	4.00	0.72	0.00	0.72	0.042	0.3000	0.016	5.06	7.50	N/A	0.39	0.00	
S-411	1316+50.00	35.00	LT	Type 5 CI	0.21	0.72	4.00	1.12	0.00	1.12	0.037	0.3000	0.016	6.42	7.50	N/A	0.60	0.00	
S-412	1318+00.00	35.00	RT	Type 5 CI	0.11	0.74	4.00	0.63	0.00	0.63	0.044	0.3000	0.016	4.65	7.50	N/A	0.34	0.00	
S-415	1320+50.00	35.00	LT	Type 5 CI	0.21	0.72	4.00	1.12	0.00	1.12	0.037	0.3000	0.016	6.42	7.50	N/A	0.60	0.00	
S-409	1314+50.00	35.00	LT	Type 6 CI	0.42	0.72	4.00	2.24	0.00	2.24	0.094		0.016	7.39	7.50	5.29	N/A	0.00	
S-410	1316+50.00	35.00	RT	Type 5 CI	0.17	0.73	4.00	0.94	0.00	0.94	0.039	0.3000	0.016	5.84	7.50	N/A	0.50	0.00	
S-414	1320+50.00	35.00	RT	Type 5 CI	0.17	0.71	4.00	0.92	0.00	0.92	0.039	0.3000	0.016	5.77	7.50	N/A	0.49	0.00	
S-417	1322+00.00	35.00	LT	Type 5 CI	0.21	0.72	4.00	1.12	0.00	1.12	0.037	0.3000	0.016	6.42	7.50	N/A	0.60	0.00	
S-407	1313+50.00	35.00	LT	Type 5 CI	0.22	0.81	4.00	1.33	0.00	1.33	0.036	0.3000	0.016	6.98	7.50	N/A	0.71	0.00	S-402
S-408	1314+50.00	35.00	RT	Type 6 CI	0.51	0.74	4.00	2.81	0.00	2.81	0.094		0.016	7.50	7.50	6.59	N/A	0.00	
S-416	1322+00.00	35.00	RT	Type 5 CI	0.17	0.73	4.00	0.94	0.00	0.94	0.039	0.3000	0.016	5.84	7.50	N/A	0.50	0.00	
S-419	1323+50.00	35.00	LT	Type 6 CI	0.42	0.71	4.00	2.21	0.00	2.21	0.094		0.016	6.37	7.50	5.21	N/A	0.00	
S-405	1311+10.00	35.00	LT	Type 5 CI	0.13	0.84	4.00	0.83	0.00	0.83	0.040	0.3000	0.016	5.48	7.50	N/A	0.45	0.00	S-402
S-418	1323+50.00	35.00	RT	Type 6 CI	0.34	0.73	4.00	1.87	0.00	1.87	0.094		0.016	5.84	7.50	4.45	N/A	0.00	
S-420	1325+00.00	35.00	LT	Type 5 CI	0.28	0.71	4.00	1.48	0.00	1.48	0.035	0.3000	0.016	7.37	7.50	N/A	0.80	0.00	
S-404	1309+50.00	35.00	LT	Type 6 CI	0.38	0.81	4.00	2.29	0.00	2.29	0.094		0.016	7.22	7.50	5.40	N/A	0.00	
S-406	1311+20.00	35.00	RT	Type 5 CI	0.09	0.75	4.00	0.48	0.00	0.48	0.049	0.3000	0.016	3.86	7.50	N/A	0.26	0.00	
S-421	1325+00.00	35.00	RT	Type 5 CI	0.23	0.74	4.00	1.26	0.00	1.26	0.036	0.3000	0.016	6.81	7.50	N/A	0.68	0.00	
S-422	1328+50.00	35.00	LT	Type 5 CI	0.21	0.72	4.00	1.12	0.00	1.12	0.037	0.3000	0.016	6.42	7.50	N/A	0.60	0.00	
S-403	1309+50.00	35.00	RT	Type 6 CI	0.42	0.81	4.00	2.56	0.00	2.56	0.094		0.016	7.30	7.50	6.01	N/A	0.00	
S-402	1308+50.00	35.00	LT	Type 5 CI	0.15	0.76	4.00	0.84	0.00	0.84	0.040	0.3000	0.016	5.51	7.50	N/A	0.45	0.00	
S-423	1328+50.00	35.00	RT	Type 5 CI	0.17	0.71	4.00	0.92	0.00	0.92	0.039	0.3000	0.016	5.77	7.50	N/A	0.49	0.00	
S-424	1330+50.00	35.00	LT	Type 6 CI	0.56	0.70	4.00	2.93	0.00	2.93	0.094		0.016	7.33	7.50	6.86	N/A	0.00	
S-401	1307+40.00	35.00	LT	Type 5 CI	0.25	0.72	4.00	1.36	0.00	1.36	0.036	0.3000	0.016	7.06	7.50	N/A	0.73	0.00	
S-425	1330+50.00	35.00	RT	Type 6 CI	0.45	0.73	4.00	2.44	0.00	2.44	0.094		0.016	6.70	7.50	5.74	N/A	0.00	
S-427	1332+50.00	35.00	LT	Type 5 CI	0.29	0.70	4.00	1.52	0.00	1.52	0.035	0.3000	0.016	7.45	7.50	N/A	0.82	0.00	
S-400	1307+40.00	35.00	RT	Type 5 CI	0.23	0.85	4.00	1.47	0.00	1.47	0.035	0.3000	0.016	7.33	7.50	N/A	0.79	0.00	
S-426	1332+40.00	35.00	RT	Type 5 CI	0.24	0.73	4.00	1.30	0.00	1.30	0.036	0.3000	0.016	6.92	7.50	N/A	0.70	0.00	
S-428	1334+50.00	35.00	LT	Type 5 CI	0.33	0.60	4.00	1.48	0.00	1.48	0.035	0.3000	0.016	7.36	7.50	N/A	0.79	0.00	
S-429	1334+50.00	35.00	RT	Type 5 CI	0.07	0.71	4.00	0.38	0.00	0.38	0.054	0.3000	0.016	3.23	7.50	N/A	0.21	0.00	
S-430	1336+20.00	35.00	LT	Type 5 CI	0.32	0.62	4.00	1.46	0.00	1.46	0.035	0.3000	0.016	7.31	7.50	N/A	0.78	0.00	
S-431	1336+40.00	35.00	RT	Type 5 CI	0.15	0.74	4.00	0.81	0.00	0.81	0.041	0.3000	0.016	5.41	7.50	N/A	0.44	0.00	
S-433	1337+80.00	35.00	LT	Type 5 CI	0.34	0.59	4.00	1.47	0.00	1.47	0.035	0.3000	0.016	7.34	7.50	N/A	0.79	0.00	
S-432	1337+75.00	35.00	RT	Type 5 CI	0.19	0.68	4.00	0.97	0.00	0.97	0.039	0.3000	0.016	5.96	7.50	N/A	0.52	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.



FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 5

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-515	1353+00.00	35.00	RT	Type 5 CI	0.17	0.71	4.00	0.91	0.00	0.91	0.039	0.3000	0.016	5.77	7.50	N/A	0.49	0.00	S-513
S-513	1351+50.00	35.00	RT	Type 5 CI	0.17	0.73	4.00	0.93	0.00	0.93	0.039	0.3000	0.016	5.83	7.50	N/A	0.50	0.00	S-511
S-514	1353+00.00	35.00	LT	Type 5 CI	0.21	0.70	4.00	1.09	0.00	1.09	0.038	0.3000	0.016	6.32	7.50	N/A	0.58	0.00	S-512
S-517	1354+50.00	35.00	RT	Type 5 CI	0.17	0.71	4.00	0.92	0.00	0.92	0.039	0.3000	0.016	5.77	7.50	N/A	0.49	0.00	
S-511	1350+00.00	35.00	RT	Type 6 CI	0.40	0.71	4.00	2.14	0.00	2.14	0.094		0.016	6.23	7.50	5.06	N/A	0.00	
S-512	1351+50.00	35.00	LT	Type 5 CI	0.21	0.70	4.00	1.09	0.00	1.09	0.038	0.3000	0.016	6.31	7.50	N/A	0.58	0.00	S-510
S-516	1354+50.00	35.00	LT	Type 5 CI	0.21	0.70	4.00	1.09	0.00	1.09	0.038	0.3000	0.016	6.32	7.50	N/A	0.58	0.00	S-514
S-519	1358+00.00	35.00	RT	Type 5 CI	0.23	0.71	4.00	1.22	0.00	1.22	0.037	0.2967	0.016	6.72	7.50	N/A	0.66	0.00	S-521
S-509	1348+00.00	35.00	RT	Type 5 CI	0.23	0.73	4.00	1.24	0.00	1.24	0.038	0.4000	0.016	6.28	7.50	N/A	0.67	0.00	S-511
S-510	1350+00.00	35.00	LT	Type 6 CI	0.49	0.70	4.00	2.56	0.00	2.56	0.094		0.016	6.99	7.50	6.02	N/A	0.00	
S-518	1358+00.00	35.00	LT	Type 5 CI	0.28	0.69	4.00	1.44	0.00	1.44	0.035	0.2967	0.016	7.29	7.50	N/A	0.77	0.00	S-520
S-521	1360+00.00	35.00	RT	Type 5 CI	0.23	0.71	4.00	1.22	0.00	1.22	0.037	0.2967	0.016	6.71	7.50	N/A	0.65	0.00	S-523
S-507	1346+00.00	35.00	RT	Type 5 CI	0.06	0.73	4.00	0.31	0.00	0.31	0.068	0.4000	0.016	2.30	7.50	N/A	0.17	0.00	S-508
S-508	1348+00.00	35.00	LT	Type 5 CI	0.28	0.81	4.00	1.69	0.00	1.69	0.035	0.4000	0.016	7.32	7.50	N/A	0.91	0.00	S-510
S-520	1360+00.00	35.00	LT	Type 5 CI	0.28	0.69	4.00	1.45	0.00	1.45	0.035	0.2967	0.016	7.31	7.50	N/A	0.78	0.00	S-522
S-523	1362+00.00	35.00	RT	Type 6 CI	0.42	0.81	4.00	2.51	0.00	2.51	0.094		0.016	7.20	7.50	5.91	N/A	0.00	
S-505	1344+45.00	35.00	RT	Type 5 CI	0.28	0.84	4.00	1.77	0.00	1.77	0.035	0.4000	0.016	7.48	7.50	N/A	0.95	0.00	S-509
S-506	1346+00.00	35.00	LT	Type 5 CI	0.22	0.80	4.00	1.29	0.00	1.29	0.037	0.4000	0.016	6.41	7.50	N/A	0.69	0.00	S-507
S-522	1362+00.00	35.00	LT	Type 6 CI	0.54	0.72	4.00	2.89	0.00	2.89	0.094		0.016	7.28	7.50	6.78	N/A	0.00	
S-523A	1363+50.00	35.00	RT	Type 5 CI	0.17	0.85	4.00	1.10	0.00	1.10	0.037	0.3000	0.016	6.35	7.50	N/A	0.59	0.00	
S-503	1341+00.00	35.00	RT	Type 5 CI	0.11	0.73	4.00	0.63	0.00	0.63	0.044	0.3000	0.016	4.63	7.50	N/A	0.34	0.00	
S-504	1344+45.00	35.00	LT	Type 5 CI	0.34	0.70	4.00	1.78	0.00	1.78	0.035	0.4000	0.016	7.50	7.50	N/A	0.95	0.00	S-506
S-525	1365+00.00	35.00	RT	Type 5 CI	0.14	0.75	4.00	0.80	0.00	0.80	0.041	0.3000	0.016	5.37	7.50	N/A	0.43	0.00	
S-501	1339+50.00	35.00	RT	Type 5 CI	0.17	0.73	4.00	0.94	0.00	0.94	0.039	0.3000	0.016	5.84	7.50	N/A	0.50	0.00	
S-502	1341+00.00	35.00	LT	Type 5 CI	0.17	0.62	4.00	0.76	0.00	0.76	0.041	0.3000	0.016	5.22	7.50	N/A	0.41	0.00	
S-524	1365+00.00	47.00	LT	Type 5 CI	0.22	0.89	4.00	1.44	0.00	1.44	0.035	0.3000	0.016	7.27	7.50	N/A	0.78	0.00	S-522
S-527	1366+35.00	35.00	RT	Type 5 CI	0.18	0.73	4.00	0.99	0.00	0.99	0.038	0.3000	0.016	6.02	7.50	N/A	0.53	0.00	
S-500	1339+50.00	35.00	LT	Type 5 CI	0.29	0.56	4.00	1.20	0.00	1.20	0.037	0.3000	0.016	6.66	7.50	N/A	0.65	0.00	
S-526	1366+35.00	47.00	LT	Type 5 CI	0.25	0.81	4.00	1.51	0.00	1.51	0.035	0.3000	0.016	7.43	12.50	N/A	0.81	0.00	
S-529	1368+00.00	35.00	RT	Type 5 CI	0.23	0.58	4.00	0.99	0.00	0.99	0.038	0.3000	0.016	6.02	7.50	N/A	0.53	0.00	
S-528	1368+00.00	35.00	LT	Type 5 CI	0.28	0.70	4.00	1.46	0.00	1.46	0.035	0.3000	0.016	7.31	12.50	N/A	0.78	0.00	
S-531	2070+00.00	24.00	RT	Type 5 CI	0.10	0.58	4.00	0.41	0.00	0.41	0.052	0.3000	0.016	3.45	7.50	N/A	0.22	0.00	
S-530	1370+00.00	35.00	LT	Type 5 CI	0.12	0.70	4.00	0.61	0.00	0.61	0.044	0.3000	0.016	4.54	12.50	N/A	0.33	0.00	
S-532	2073+00.00	29.00	RT	Type 5 CI	0.27	0.69	4.00	1.40	0.00	1.40	0.037	0.4000	0.016	6.68	12.50	N/A	0.75	0.00	
S-534	2075+00.00	29.00	RT	Type 6 CI	0.37	0.62	4.00	1.73	0.00	1.73	0.094		0.016	7.37	12.50	4.13	N/A	0.00	
S-533	1374+73.00	40.00	LT	Type 6 CI	0.72	0.69	4.00	3.69	0.00	3.69	0.094		0.016	9.60	12.50	8.53	N/A	0.00	
S-535	2075+30.44	24.00	RT	Type 5 CI	0.32	0.71	4.00	1.68	0.00	1.68	0.036	0.4394	0.016	7.14	7.50	N/A	0.90	0.00	
S-536	3075+45.00	26.08	LT	Type 5 CI	0.28	0.73	4.00	1.54	0.00	1.54	0.039	0.7465	0.016	5.97	7.50	N/A	0.83	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 6 - Pond 6

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-606	1384+10.00	70.50	RT	Type E DBI	2.80	0.44	4.00	5.29	0.00	5.29	0.025	0.0500	0.016	22.69	12.50	N/A	4.57	0.36	
S-605	1384+10.00	0.00	RT	Type C DBI	2.14	0.47	4.00	3.91	0.00	3.91	0.028		0.016	14.55	12.50	N/A	N/A	0.00	
S-604	1384+10.00	70.50	LT	Type E DBI	5.36	0.61	4.00	10.53	0.00	10.53	0.024	0.1000	0.016	28.92	7.50	N/A	10.70	2.42	
S-603	3081+81.58	29.00	LT	Type 6 CI	1.09	0.56	4.00	4.56	0.00	4.56	0.075		0.016	8.98	12.50	10.28	N/A	0.00	
S-601	3079+35.45	24.00	LT	Type 5 CI	0.26	0.66	4.00	1.30	0.00	1.30	0.041	0.8701	0.016	5.20	7.50	N/A	0.70	0.00	
S-600	3078+00.00	32.00	LT	Type 5 CI	0.08	0.66	4.00	0.40	0.00	0.40	0.094	2.0001	0.016	1.36	7.50	N/A	0.22	0.00	
S-602	2079+17.96	24.03	RT	Type 5 CI	0.37	0.74	4.00	2.05	0.00	2.05	0.035	0.6374	0.016	7.18	7.50	N/A	1.10	0.00	
S-613	614+00.00	12.53	LT	Type 5 CI	0.17	0.75	4.00	0.95	0.00	0.95	0.039	0.3002	0.016	5.88	7.50	N/A	0.51	0.00	
S-611	611+90.00	12.00	LT	Type 5 CI	0.08	0.85	4.00	0.53	0.00	0.53	0.047	0.3002	0.016	4.14	7.50	N/A	0.28	0.00	
S-612	614+00.00	23.75	RT	Type 5 CI	0.22	0.69	4.00	1.14	0.00	1.14	0.037	0.3002	0.016	6.46	7.50	N/A	0.61	0.00	
S-609	611+70.00	38.50	LT	Type C DBI	1.48	0.43	4.00	2.77	0.00	2.77	0.020	0.0500	0.016	17.95	7.50	N/A	2.03	0.51	
S-610	611+90.00	12.00	RT	Type 5 CI	0.30	0.58	4.00	1.31	0.00	1.31	0.036	0.3002	0.016	6.95	7.50	N/A	0.71	0.00	
S-608	611+70.00	38.50	RT	Type C DBI	1.80	0.53	4.00	4.20	0.00	4.20	0.020	0.0500	0.016	20.97	7.50	N/A	2.91	0.94	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 7 - Pond 7

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-703	1424+00.00	70.50	RT	Type E DBI	6.23	0.53	4.00	11.67	0.00	11.67	0.024		0.016	28.67	7.50	N/A	N/A	0.00	
S-702	1424+00.00	6.49	RT	Type C DBI	0.34	0.20	4.00	0.25	0.00	0.25	0.094		0.016	8.44	7.50	N/A	N/A	0.00	
S-701	1424+00.00	70.50	LT	Type E DBI	7.05	0.60	4.00	12.93	0.00	12.93	0.023		0.016	35.08	7.50	N/A	N/A	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 8 - Pond 8

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-807	1479+00.00	61.03	LT	Type E DBI	0.82	0.56	4.00	2.65	0.00	2.65	0.041		0.016	13.20	7.50	N/A	N/A	0.00	
S-805	1477+00.00	63.79	LT	Type D DBI	0.70	0.69	4.00	2.87	0.00	2.87	0.250	0.0500	0.016	3.34	7.50	N/A	1.93	0.00	
S-806	1479+00.00	60.26	RT	Type E DBI	6.58	0.55	4.00	9.18	0.00	9.18	0.023		0.016	31.78	7.50	N/A	N/A	0.00	
S-808	1481+00.00	59.50	LT	Type D DBI	0.20	0.55	4.00	0.73	0.00	0.73	0.033	0.1000	0.016	7.44	7.50	N/A	0.44	0.00	
S-804	1473+40.00	69.50	LT	Type D DBI	7.14	0.55	4.00	11.18	0.00	11.18	0.250	0.0500	0.016	7.30	7.50	N/A	15.27	0.34	
S-809	1483+90.00	59.50	LT	Type D DBI	0.45	0.57	4.00	1.66	0.00	1.66	0.031	0.2986	0.016	8.44	7.50	N/A	0.99	0.04	
S-810	1484+00.00	43.12	RT	Type S GI	0.22	0.75	4.00	1.24	0.00	1.24	0.050	0.2986	0.016	4.39	6.00	N/A	0.66	0.00	

Remarks:  
HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

FLORIDA DEPARTMENT OF TRANSPORTATION  
SPREAD TABULATION FORM

Financial Project Identification: 18-73  
Description: Basin 8 - S-805

County: Polk  
Organization: Dewberry Engineers, Inc.

Rainfall Zone: Zone 8  
State Road: CR 557

Prepared By: AA  
Checked By: SVC

Date: 01/09/2023  
Date: 01/09/2023

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (ft/ft)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-802	1458+25.00	6.50	LT	Type C DBI	0.41	0.20	4.00	0.35	0.00	0.35	0.035	0.1000	0.016	6.49	7.50	N/A	0.33	0.01	
Remarks:																			

HEC-12 is used for spread and bypass computations.  
All other computations performed using GEOPAK Drainage.

## APPENDIX J: Pond Geotechnical Borings

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-1D-1-1  
07/24/22  
28.09742°N  
81.73166°W  
STA: 1193+59.92  
OFF: -124.8  
ELEV: 154.6  
AUTO

BOR #: PB-1D-1-2  
01/24/22  
28.09778°N  
81.73171°W  
STA: 1194+92.76  
OFF: -142.6  
ELEV: 155.4  
AUTO

BOR #: PB-1D-2-1  
01/25/22  
28.09904°N  
81.7316°W  
STA: 1199+50.67  
OFF: -103.3  
ELEV: 154.5  
AUTO

BOR #: PB-1D-2-2  
01/25/22  
28.09945°N  
81.73161°W  
STA: 1200+96.90  
OFF: -105.6  
ELEV: 156.6  
AUTO

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND

**STRATUM NUMBER**

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

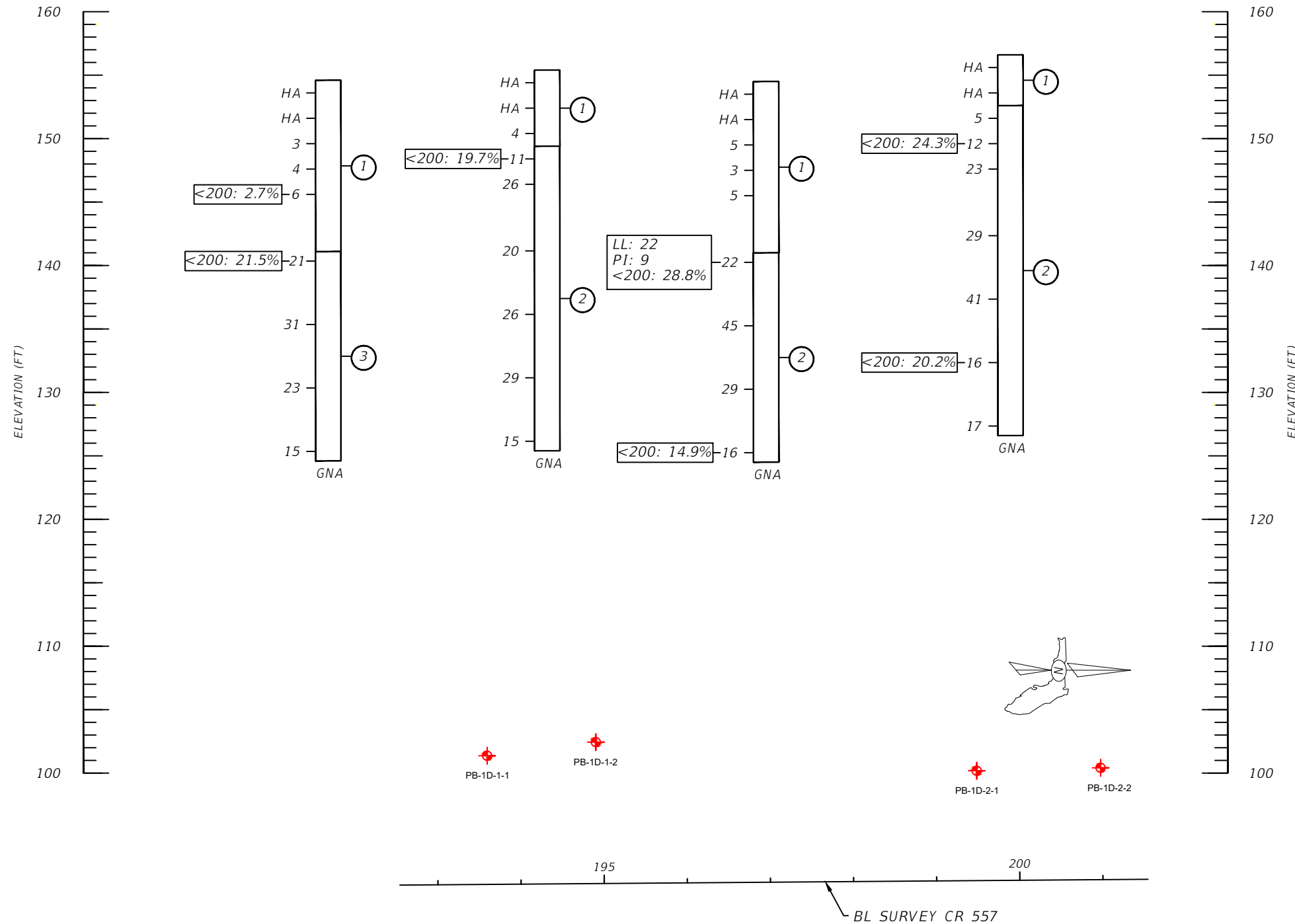
N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

▽ GROUNDWATER TABLE ENCOUNTERED

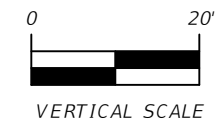
▽ ESTIMATED SEASONAL HIGH WATER TABLE

**NOTES:**

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
MEDIUM DENSE	10 TO 30	8 TO 24
DENSE	30 TO 50	24 TO 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



**BORING LOCATION PLAN**

REVISIONS				PAUL PASSE, P.E. P.E. LICENSE NUMBER 34750 MADRID CPWG 2030 SR 60 E BARTOW, FL 33830 CERTIFICATE OF AUTHORIZATION 6509	POLK COUNTY ROADS AND DRAINAGE DIVISION			<b>REPORT OF CORE BORINGS - POND 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT NO.		
					CR 557	POLK	18-73		

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-2A-2  
01/27/22  
28.10843°N  
81.73176°W  
STA: 1233+58.09  
OFF: -168.0  
ELEV: 139.1  
AUTO

BOR #: PB-2A-3  
01/27/22  
28.10813°N  
81.73213°W  
STA: 1232+47.01  
OFF: -284.0  
ELEV: 137.7  
AUTO

BOR #: PB-FPC1-2  
01/27/22  
28.10842°N  
81.7324°W  
STA: 1233+53.73  
OFF: -374.0  
ELEV: 132.9  
AUTO

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND

## STRATUM NUMBER

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

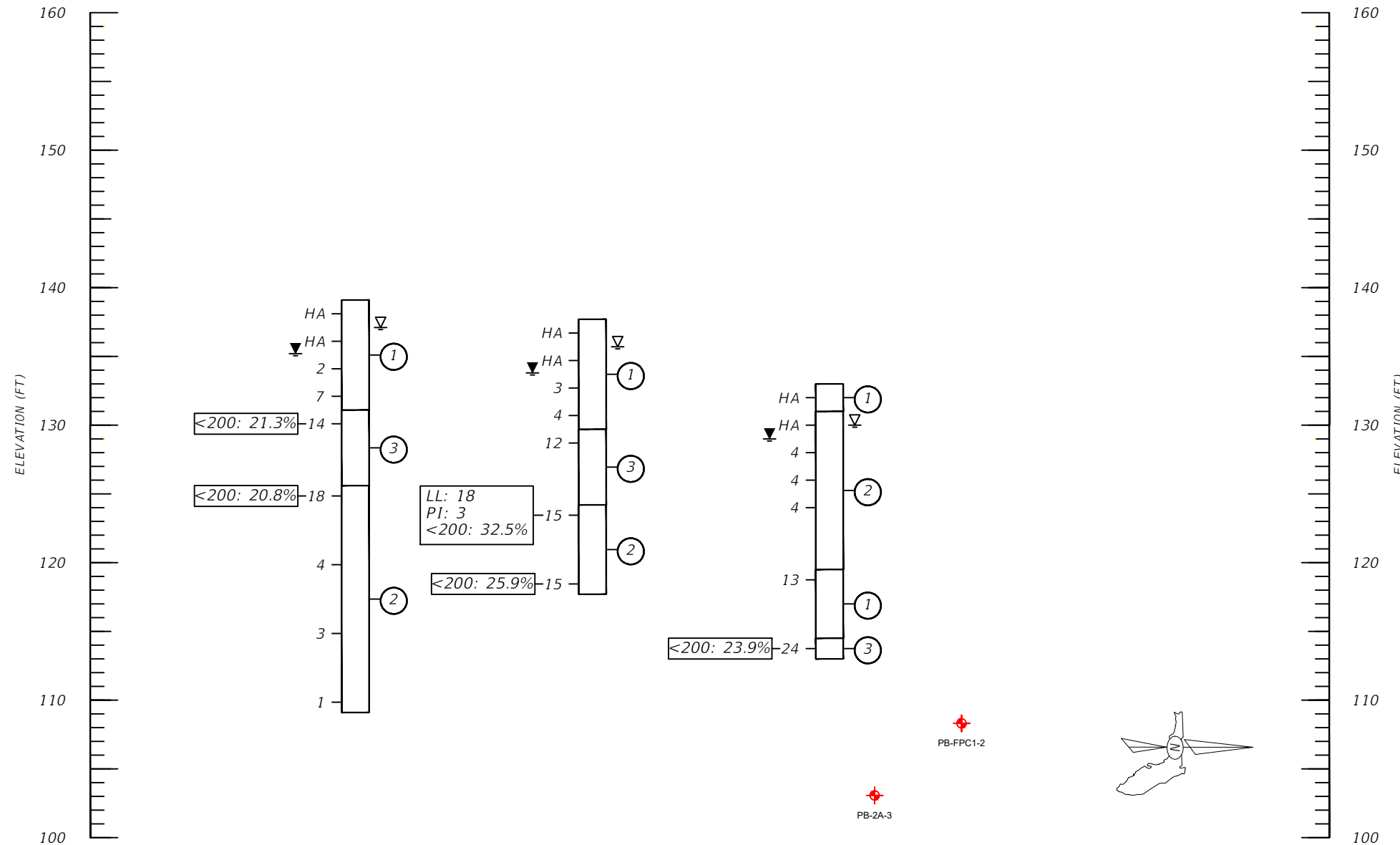
N STANDARD PENETRATION  
RESISTANCE IN BLOWS PER FOOT

▼ GROUNDWATER TABLE ENCOUNTERED

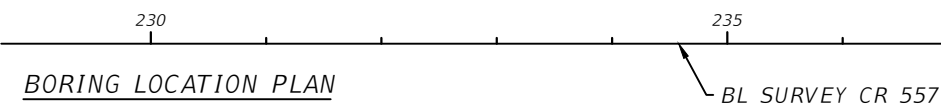
▽ ESTIMATED SEASONAL HIGH WATER TABLE

## NOTES:

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE LOOSE MEDIUM DENSE DENSE VERY DENSE	LESS THAN 4 4 TO 10 10 TO 30 30 TO 50 GREATER THAN 50	LESS THAN 3 3 TO 8 8 TO 24 24 TO 40 GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT SOFT FIRM STIFF VERY STIFF HARD	LESS THAN 2 2 TO 4 4 TO 8 8 TO 15 15 TO 30 GREATER THAN 30	LESS THAN 1 1 TO 3 3 TO 6 6 TO 12 12 TO 24 GREATER THAN 24



REVISIONS				PAUL PASSE, P.E. P.E. LICENSE NUMBER 34750 MADRID CPWG 2030 SR 60 E BARTOW, FL 33830 CERTIFICATE OF AUTHORIZATION 6509	POLK COUNTY ROADS AND DRAINAGE DIVISION			REPORT OF CORE BORINGS - POND 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT NO.		
					CR 557	POLK	18-73		



BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-3B-2  
DATE: 05/24/21  
28.12189°N  
81.73327°W  
STA: 1283+56.76  
OFF: -164.6  
ELEV: 135.0  
AUTO

BOR #: PB-3B-3  
DATE: 05/14/21  
28.12188°N  
81.73388°W  
STA: 1283+52.68  
OFF: -360.4  
ELEV: 138.7  
AUTO

BOR #: PB-3B-4  
DATE: 05/14/21  
28.12218°N  
81.73397°W  
STA: 1284+61.67  
OFF: -388.1  
ELEV: 137.0  
AUTO

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND

STRATUM NUMBER

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

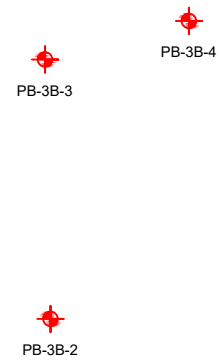
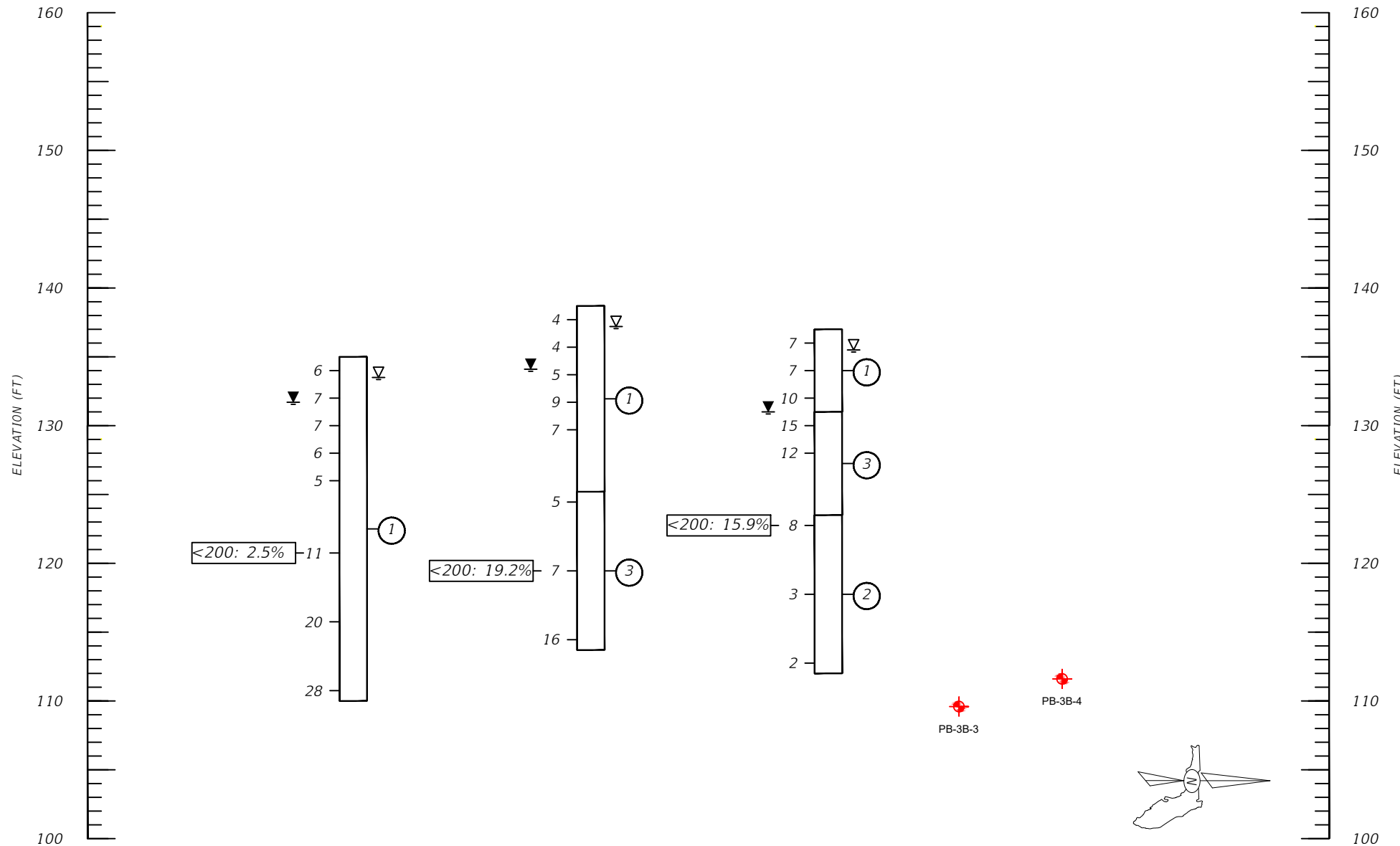
N STANDARD PENETRATION  
RESISTANCE IN BLOWS PER FOOT

▼ GROUNDWATER TABLE ENCOUNTERED

▽ ESTIMATED SEASONAL HIGH WATER TABLE

NOTES:

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
MEDIUM DENSE	10 TO 30	8 TO 24
DENSE	30 TO 50	24 TO 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



BORING LOCATION PLAN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

## REPORT OF CORE BORINGS - POND 3

SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

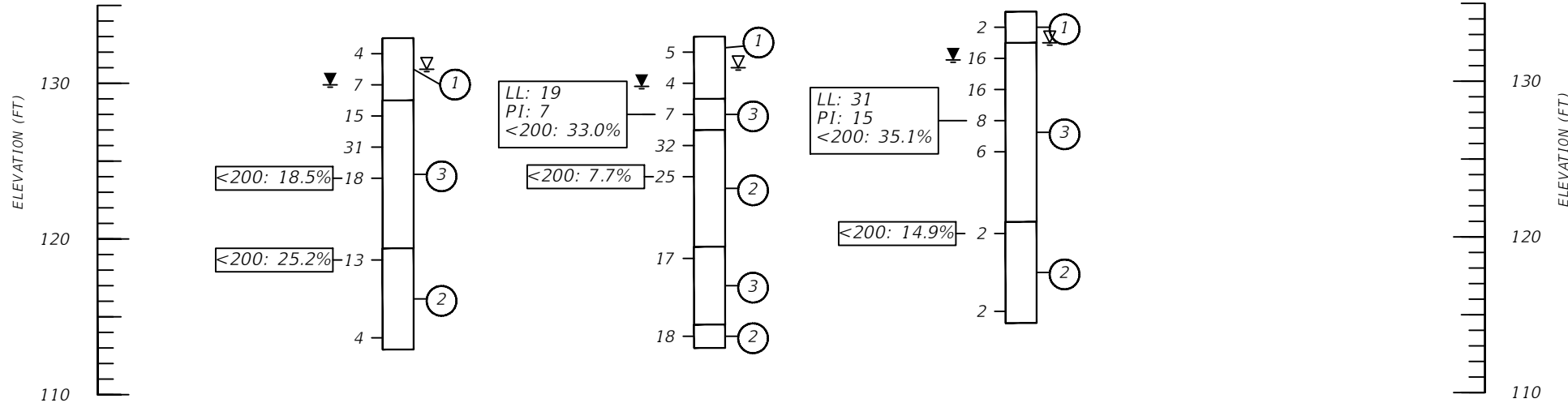
BOR #: PB-4A-2  
DATE: 03/30/21  
28.14083°N  
81.73389°W  
STA: 1353+05.94  
OFF: 153.6  
ELEV: 132.9  
SAFETY

BOR #: PB-4A-3  
DATE: 03/30/21  
28.14114°N  
81.73347°W  
STA: 1354+16.23  
OFF: 291.0  
ELEV: 133.1  
SAFETY

BOR #: PB-4A-4  
DATE: 03/30/21  
28.14087°N  
81.73347°W  
STA: 1353+18.08  
OFF: 289.2  
ELEV: 134.6  
SAFETY

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

# LEGEND



### STRATUM NUMBER

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

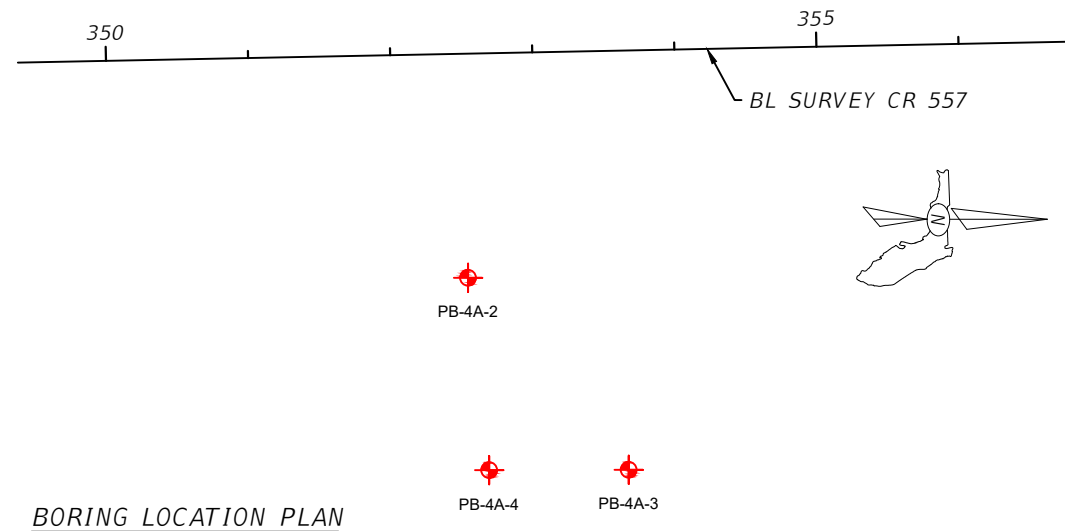
N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

▽ GROUNDWATER TABLE ENCOUNTERED

▽ ESTIMATED SEASONAL HIGH WATER TABLE

### NOTES:

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
MEDIUM DENSE	10 TO 30	8 TO 24
DENSE	30 TO 50	24 TO 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

**REPORT OF CORE BORINGS**  
**- POND 4**

SHEET NO.

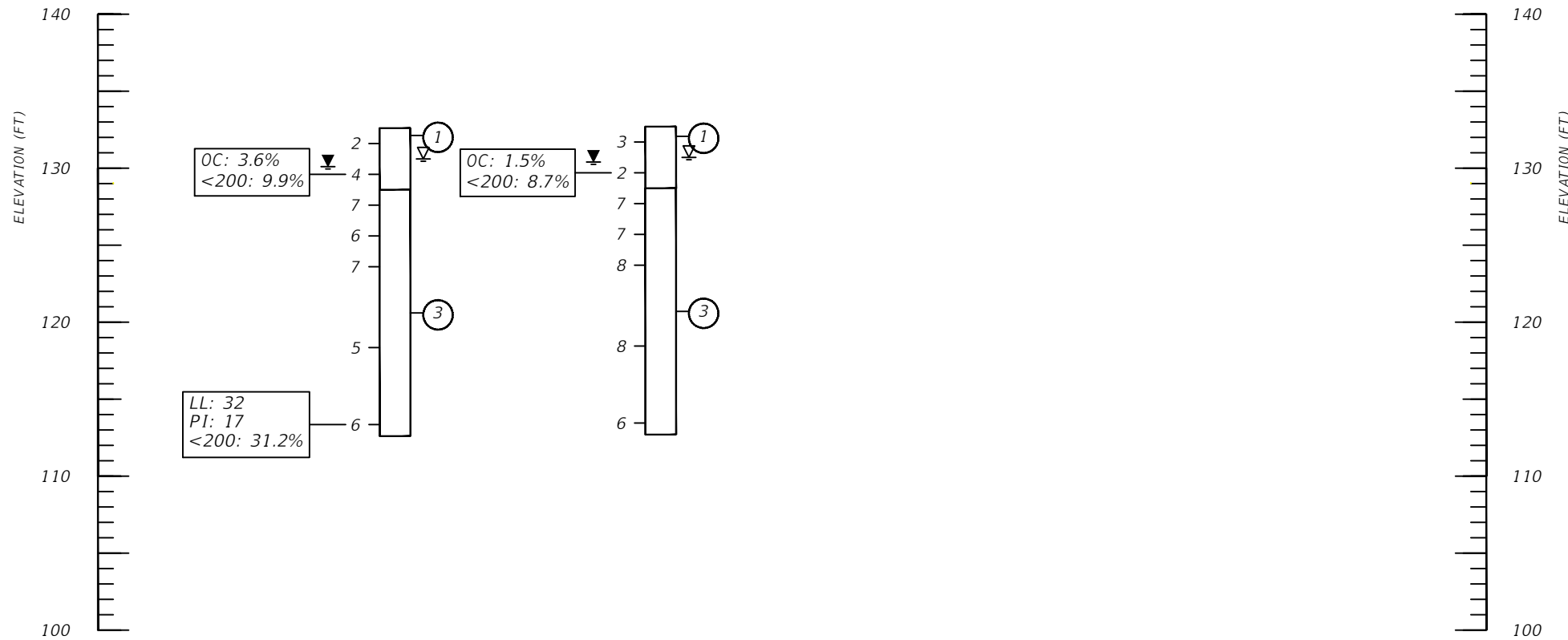
BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-5B-2  
DATE: 05/08/21  
28.15018°N  
81.73277°W  
STA: 1387+79.83  
OFF: 201.6  
ELEV: 132.6  
AUTO

BOR #: PB-5B-3  
DATE: 05/08/21  
28.14986°N  
81.73281°W  
STA: 1386+65.11  
OFF: 212.5  
ELEV: 132.7  
AUTO

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND



**STRATUM NUMBER**

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

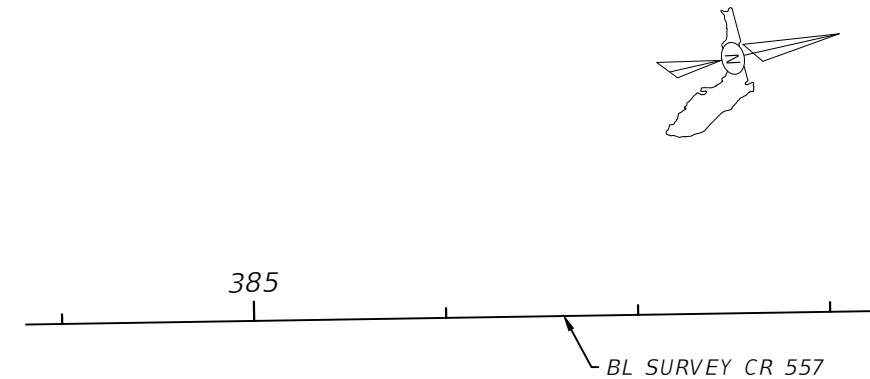
▽ GROUNDWATER TABLE ENCOUNTERED

▽ ESTIMATED SEASONAL HIGH WATER TABLE

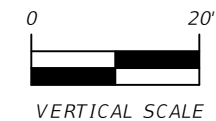
**NOTES:**

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.

	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
MEDIUM DENSE	10 TO 30	8 TO 24
DENSE	30 TO 50	24 TO 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



**BORING LOCATION PLAN**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

**REPORT OF CORE BORINGS -  
POND 5**

SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-6B-2  
DATE: 03/22/21  
28.15986°N  
81.73381°W  
STA: 1422+89.45  
OFF: 183.1  
ELEV: 135.1  
SAFETY

BOR #: PB-6B-3  
DATE: 03/22/21  
28.15952°N  
81.73378°W  
STA: 1421+67.41  
OFF: 161.2  
ELEV: 138.0  
SAFETY

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND

STRATUM NUMBER

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

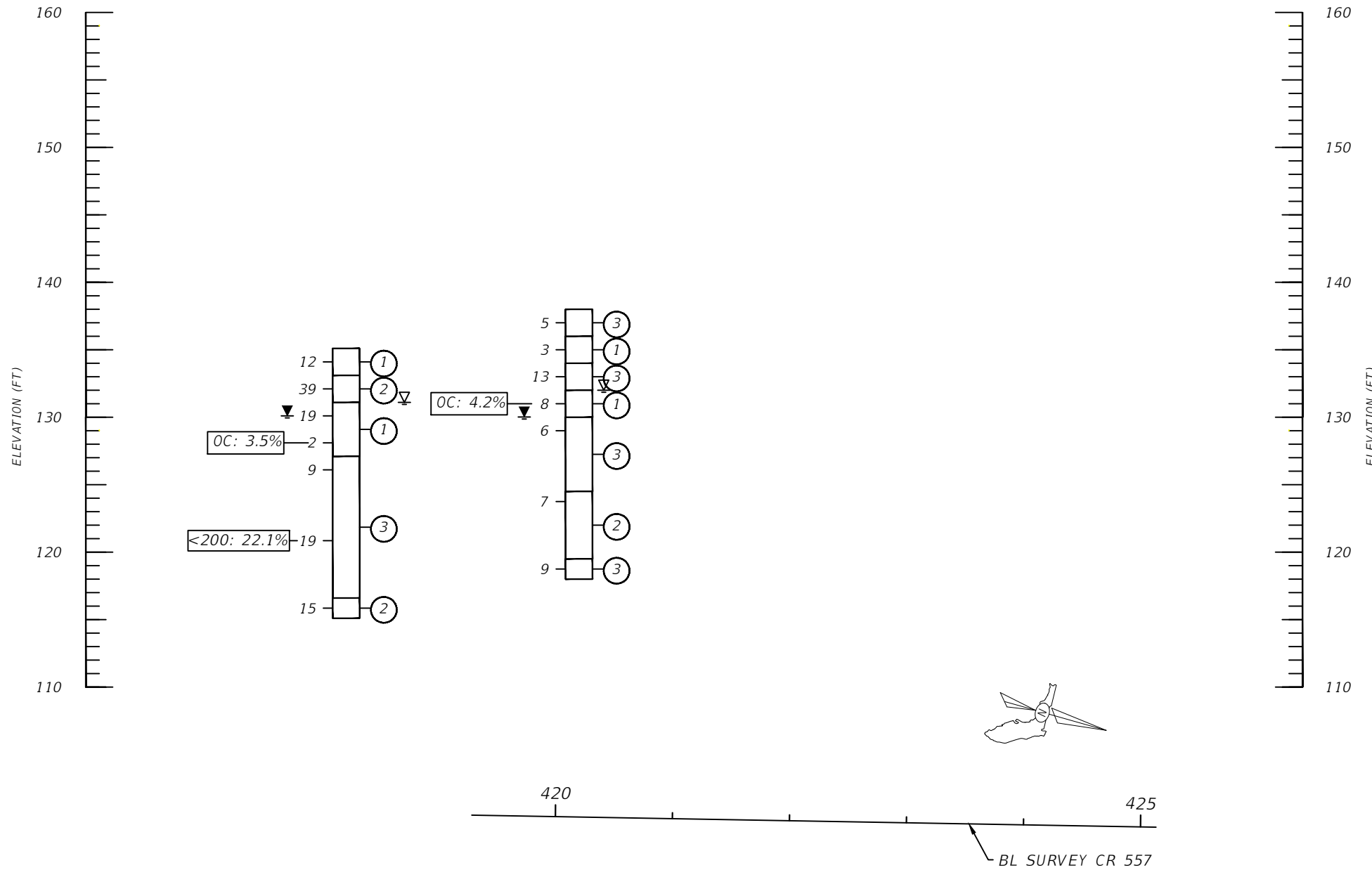
N STANDARD PENETRATION  
RESISTANCE IN BLOWS PER FOOT

▽ GROUNDWATER TABLE ENCOUNTERED

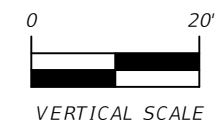
▽ ESTIMATED SEASONAL HIGH WATER TABLE

NOTES:

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
MEDIUM DENSE	10 TO 30	8 TO 24
DENSE	30 TO 50	24 TO 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



BORING LOCATION PLAN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

## REPORT OF CORE BORINGS - POND 6

SHEET  
NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-7A-2  
DATE: 01/26/21  
28.17514°N  
81.74133°W  
STA: 1483+35.68  
OFF: -244.1  
ELEV: 131.6  
SAFETY

BOR #: PB-7A-3  
DATE: 01/19/21  
28.17483°N  
81.74104°W  
STA: 1482+03.00  
OFF: -194.6  
ELEV: 133.1  
SAFETY

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND

STRATUM NUMBER

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

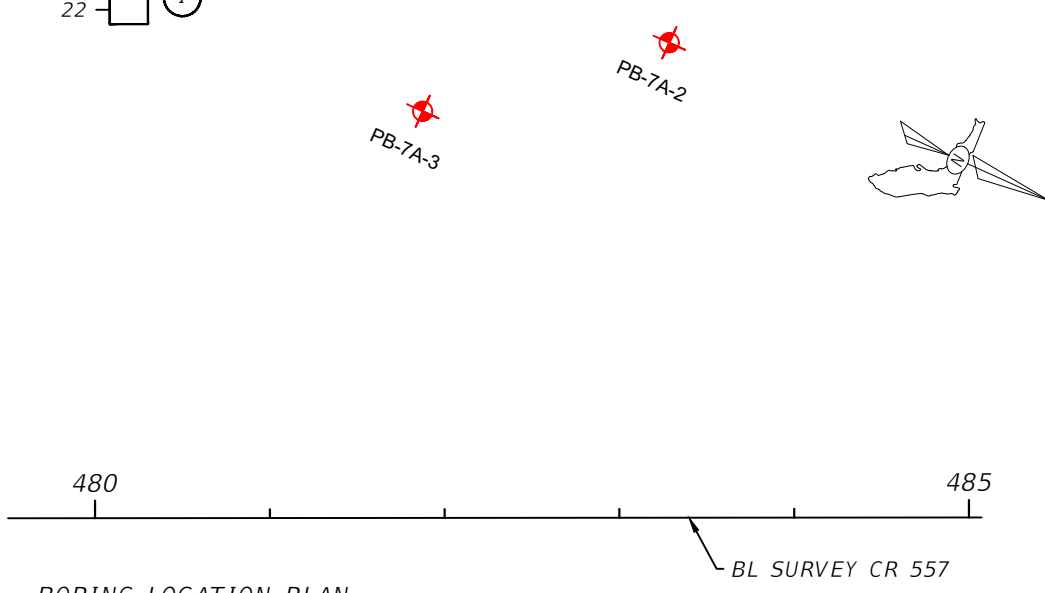
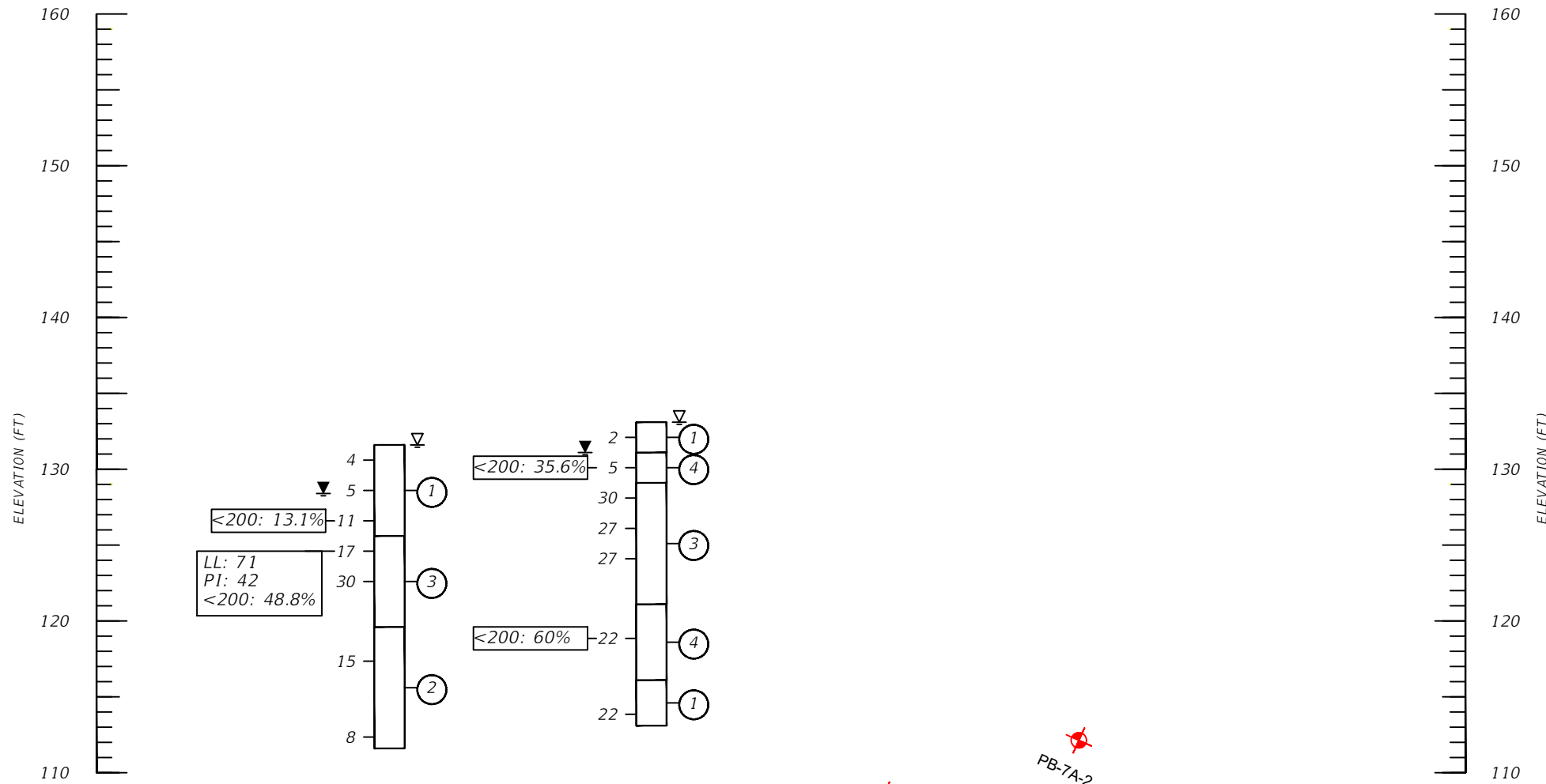
N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

▼ GROUNDWATER TABLE ENCOUNTERED

▽ ESTIMATED SEASONAL HIGH WATER TABLE

NOTES:

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
3. LOCATION COORDINATES WERE COLLECTED WITH A HAND-HELD GPS UNIT AND SHOULD BE CONSIDERED APPROXIMATE.



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
MEDIUM DENSE	10 TO 30	8 TO 24
DENSE	30 TO 50	24 TO 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



REVISIONS				PAUL PASSE, P.E. P.E. LICENSE NUMBER 34750 MADRID CPWG 2030 SR 60 E BARTOW, FL 33830 CERTIFICATE OF AUTHORIZATION 6509	POLK COUNTY ROADS AND DRAINAGE DIVISION			REPORT OF CORE BORINGS - POND 7	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT NO.		
					CR 557	POLK	18-73		

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-FPC3-2  
DATE: 04/07/21  
28.12545°N  
81.73424°W  
STA: 1297+60.01  
OFF: -168.0  
ELEV: 135.1  
SAFETY

BOR #: PB-FPC3-3  
DATE: 04/07/21  
28.1245°N  
81.73421°W  
STA: 1294+44.44  
OFF: -288.1  
ELEV: 133.2  
SAFETY

BOR #: PB-FPC3-4  
DATE: 04/07/21  
28.12445°N  
81.73407°W  
STA: 1294+10.48  
OFF: -253.3  
ELEV: 133.2  
SAFETY

BOR #: PB-FPC3-5  
DATE: 04/07/21  
28.12432°N  
81.73469°W  
STA: 1294+42.70  
OFF: -456.1  
ELEV: 133.8  
SAFETY

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

# LEGEND

**STRATUM NUMBER**

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
- 4 - (A-7-5, A-7-6, A-6)
- 5 - (A-8)
- 6 - LIMESTONE

GNA GROUNDWATER TABLE NOT APPARENT

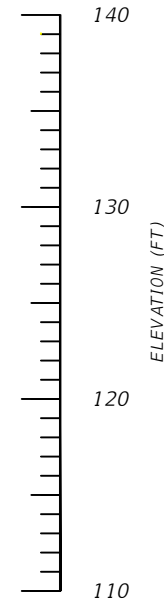
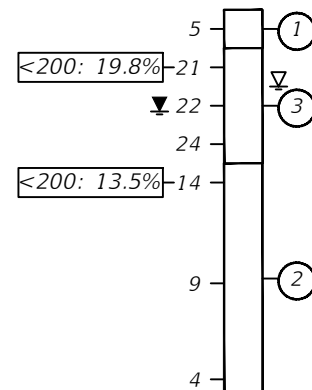
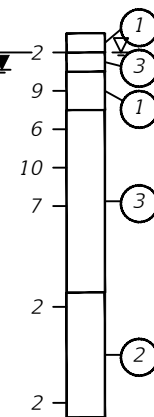
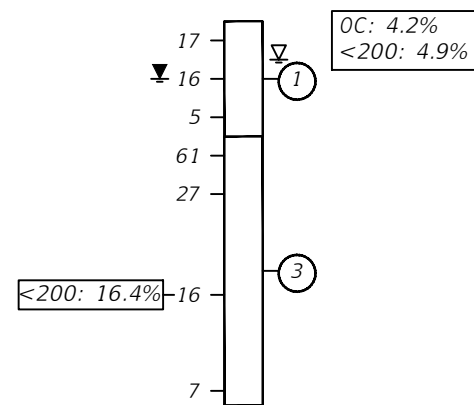
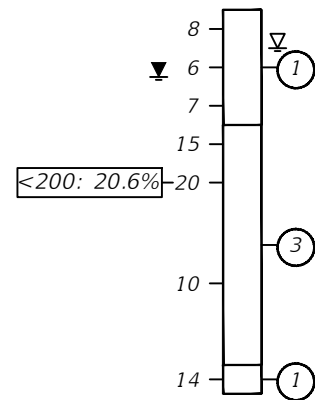
N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

▽ GROUNDWATER TABLE ENCOUNTERED

▽ ESTIMATED SEASONAL HIGH WATER TABLE

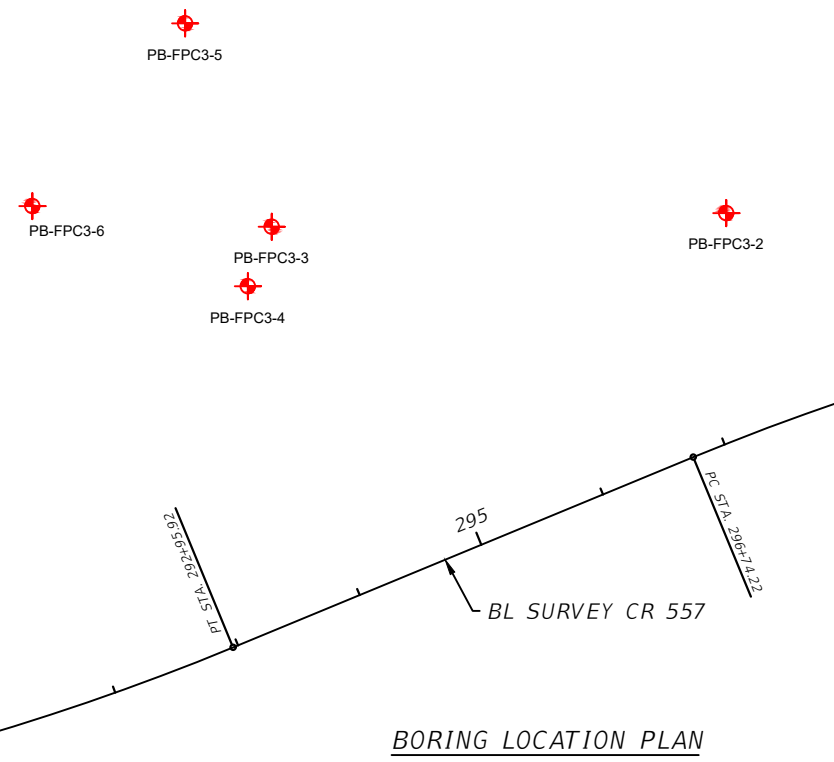
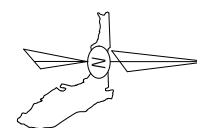
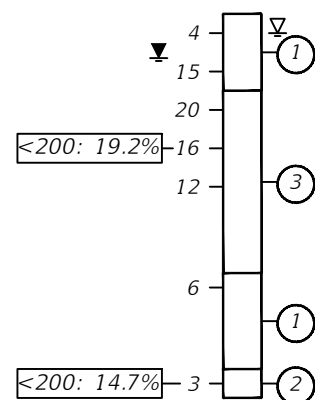
**NOTES:**

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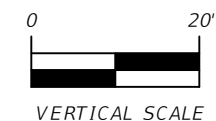


BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-FPC3-6  
DATE: 04/07/21  
28.12400°N  
81.73426°W  
STA: 1292+79.32  
OFF: -372.1  
ELEV: 132.8  
SAFETY



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 TO 10	3 TO 8
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SOFT	2 TO 4	1 TO 3
FIRM	4 TO 8	3 TO 6
STIFF	8 TO 15	6 TO 12
VERY STIFF	15 TO 30	12 TO 24
HARD	GREATER THAN 30	GREATER THAN 24



**BORING LOCATION PLAN**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

## REPORT OF CORE BORINGS - FPC 3

SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-FPC4-2  
DATE: 04/12/21  
28.14189°N  
81.73256°W  
STA: 1356+81.95  
OFF: 590.6  
ELEV: 133.3  
HAND AUGER

BOR #: PB-FPC4-3  
DATE: 04/12/21  
28.14154°N  
81.73291°W  
STA: 1355+58.28  
OFF: 474.6  
ELEV: 133.2  
HAND AUGER

BOR #: PB-FPC4-4  
DATE: 04/12/21  
28.14115°N  
81.73274°W  
STA: 1354+16.35  
OFF: 526.5  
ELEV: 136.1  
HAND AUGER

BOR #: PB-FPC4-5  
DATE: 04/12/21  
28.14090°N  
81.73293°W  
STA: 1353+25.52  
OFF: 464.2  
ELEV: 136.2  
HAND AUGER

BOR #: PB-FPC4-6  
DATE: 04/12/21  
28.14092°N  
81.73254°W  
STA: 1353+32.17  
OFF: 590.7  
ELEV: 138.0  
HAND AUGER

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

# LEGEND

## STRATUM NUMBER

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
- 3 - (A-2-5, A-2-6, A-2-7)
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GNA GROUNDWATER TABLE NOT APPARENT

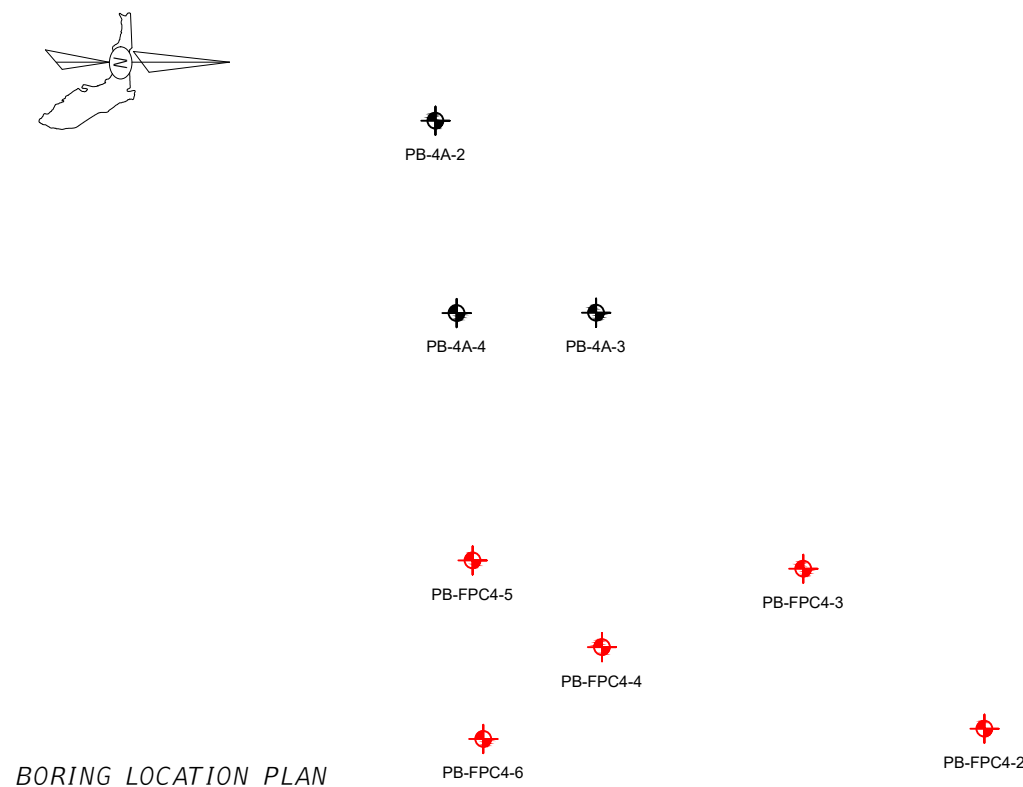
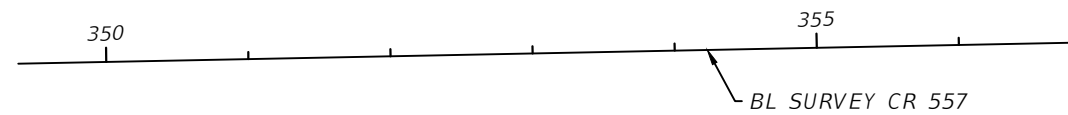
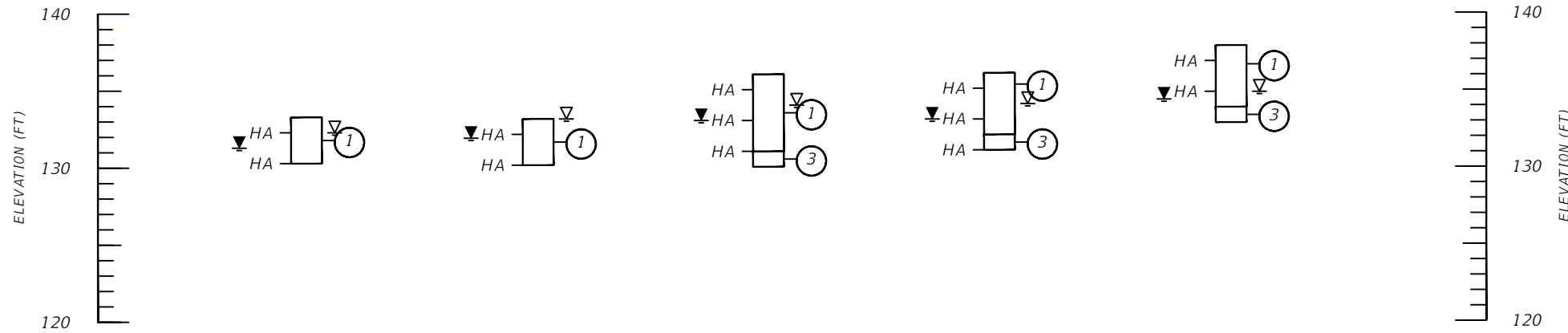
N STANDARD PENETRATION  
RESISTANCE IN BLOWS PER FOOT

▽ GROUNDWATER TABLE ENCOUNTERED

▽ ESTIMATED SEASONAL HIGH WATER TABLE

## NOTES:

1. ELEVATIONS, STATIONS AND OFFSETS SHOWN ARE APPROXIMATE (NOT SURVEYED).
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

**REPORT OF CORE BORINGS**  
**- FPC 4**

SHEET  
NO.

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION (FT)  
HAMMER

BOR #: PB-FPC6-2  
DATE: 02/04/21  
28.17023°N  
81.73866°W  
STA: 1463+75.60  
OFF: -168.4  
ELEV: 134.7  
AUTO

BOR #: PB-FPC6-3  
DATE: 02/04/21  
28.16987°N  
81.73843°W  
STA: 1462+25.81  
OFF: -154.3  
ELEV: 135.4  
AUTO

BOR #: PB-FPC6-4  
DATE: 01/13/21  
28.17149°N  
81.73921°W  
STA: 1468+65.37  
OFF: -140.9  
ELEV: 132.3  
SAFETY

BOR #: PB-FPC6-6  
DATE: 01/22/21  
28.17088°N  
81.73902°W  
STA: 1466+38.43  
OFF: -176.9  
ELEV: 135.3  
SAFETY

BORING ID  
DATE  
LATITUDE (°N)  
LONGITUDE (°W)  
STATION  
OFFSET  
ELEVATION  
HAMMER

# LEGEND

**STRATUM NUMBER**

- 1 - (A-3)
- 2 - (A-2-4, A-4, A-5)
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GNA GROUNDWATER TABLE NOT APPARENT

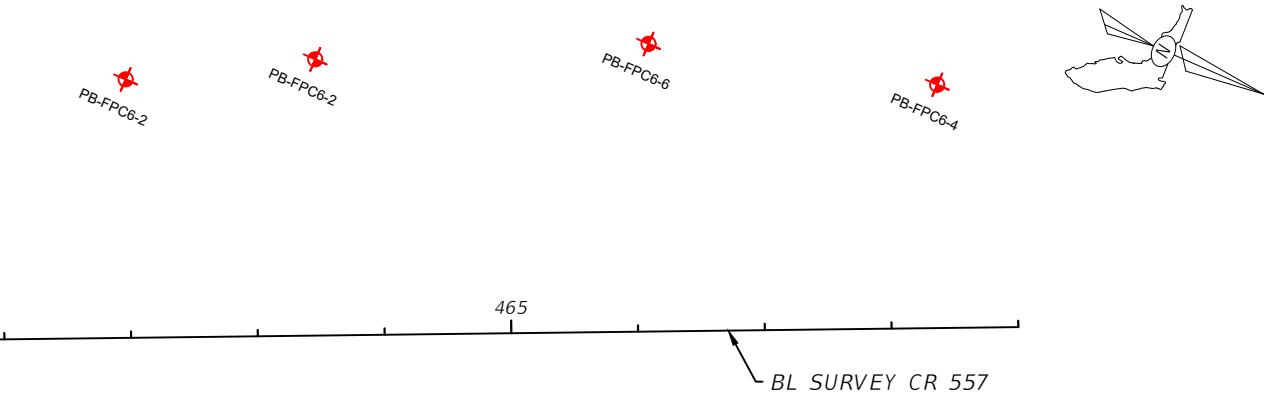
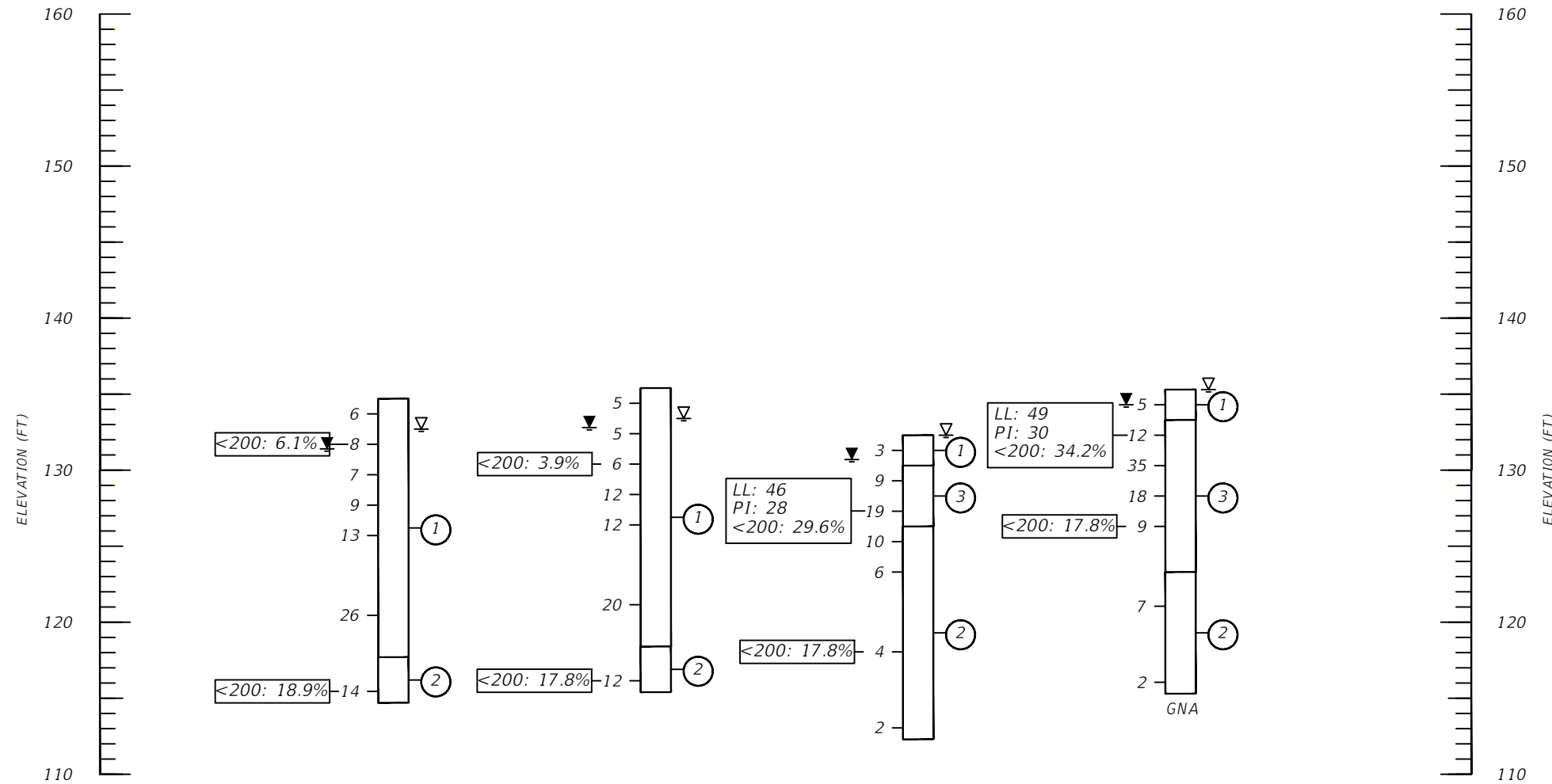
N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

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HARD	GREATER THAN 30	GREATER THAN 24

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PAUL PASSE, P.E.  
P.E. LICENSE NUMBER 34750  
MADRID CPWG  
2030 SR 60 E  
BARTOW, FL 33830  
CERTIFICATE OF AUTHORIZATION 6509

POLK COUNTY ROADS AND DRAINAGE DIVISION		
ROAD NO.	COUNTY	PROJECT NO.
CR 557	POLK	18-73

## REPORT OF CORE BORINGS - FPC 6

SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**POND DATA TABLE**

Pond ID	Location	Boring ID	Permeability Data			SWHT Data				
			Orientation	% Passing #200 Sieve	Avg Perm (in/hr)	Elevation	WT Depth	WT Elevation	Est. SHWT Depth	Est. SHWT Elevation
POND 1	Sta 193 to Sta 201	PB-1D-1-1	Horizontal	3.5	34.5	154.6	>10		>10	
			Vertical	3.3	39.1					
		PB-1D-1-2	Horizontal	3.9	22.5	155.4	>10		>10	
			Vertical	3.2	35.5					
		PB-1D-2-1	Horizontal	2.5	35.7	154.5	>10		>10	
			Vertical	2.5	49.2					
PB-1D-2-2	Horizontal	2.6	27.2	156.6	>10		>10			
	Vertical	5.2	39.3							
POND 2	Sta 232 to Sta 234	PB-2A-2	Horizontal	2.9	68.3	139.1	3.9	135.2	2	137.1
			Vertical	3.2	43.5					
		PB-2A-3	Horizontal	2.6	42.8	137.7	3.9	133.8	2	135.7
			Vertical	2.6	57.5					
		PB-FPC1-2	Horizontal	7.7	7.8	132.9	4	128.9	3	129.9
			Vertical	6.5	40.3					
POND 3	Sta 283 to Sta 285	PB-3B-2				135.0	3.3	131.7	1.5	133.5
		PB-3B-3				138.7	4.6	134.1	1.5	137.2
		PB-3B-4				137.0	6	131.0	1.5	135.5
POND 4	Sta 352 to Sta 354	PB-4A-2				132.9	3	129.9	2	130.9
		PB-4A-3				133.1	3.2	129.9	2	131.1
		PB-4A-4				134.6	3.1	131.5	2	132.6
POND 5	Sta 386 to Sta 388	PB-5B-2	Horizontal	5.1	10.2	132.6	2.5	130.1	2	130.6
			Vertical	8.6	0.04					
		PB-5B-3				132.7	2.3	130.4	2	130.7
POND 6	Sta 421 to Sta 423	PB-6B-2	Horizontal	5.6	4.8	135.1	5	130.1	4	131.1
			Vertical	4.0	1.1					
		PB-6B-3	Horizontal	16.7	13.3	138.0	8	130.0	6	132.0
Vertical	14.7	11.4								
POND 7	Sta 482 to Sta 484	PB-7A-2	Horizontal	2.9	Untestable	131.6	3.2	128.4	0	131.6
			Vertical	5.1	0.7					
		PB-7A-3	Horizontal	4.9	Untestable	133.1	2	131.1	0	133.1
			Vertical	8.5	0.6					
FPC-3	Sta 292 to Sta 298	PB-FPC3-2	Horizontal	3.9	26.1	135.1	3.5	131.6	2	133.1
			Vertical	6.0	0.1					
		PB-FPC3-3	Horizontal	5.4	4.5	133.2	3	130.2	2	131.2
			Vertical	4.6	0.4					
		PB-FPC3-4	Horizontal	4.6	0.8	133.2	1.9	131.3	1	132.2
			Vertical	4.2	0.7					
		PB-FPC3-5	Horizontal	6.8	0.8	133.8	5.3	128.5	4	129.8
			Vertical	7.8	0.2					
PB-FPC3-6	Horizontal	8.0	0.7	132.8	2.3	130.5	1	131.8		
	Vertical	7.6	1.0							
FPC-4	Sta 353 to Sta 357	PB-FPC4-2				133.3	2	131.3	1	132.3
		PB-FPC4-3				133.2	1.25	132.0	0	133.2
		PB-FPC4-4				136.1	3	133.1	2	134.1
		PB-FPC4-5				136.2	3	133.2	2	134.2
		PB-FPC4-6				138.0	3.5	134.5	3	135.0
FPC-6	Sta 463 to Sta 469	PB-FPC6-2	Horizontal	3.6	17	134.7	3.3	131.4	2	132.7
			Vertical	3.6	11.9					
		PB-FPC6-3	Horizontal	3.7	16.2	135.4	2.6	132.8	2	133.4
			Vertical	4.2	10.6					
		PB-FPC6-4	Horizontal	4.3	3.8	132.3	1.6	130.7	0	132.3
			Vertical	4.2	3.6					
PB-FPC6-6	Horizontal	6.6	Untestable	135.3	1	134.3	0	135.3		
Vertical	8.8	2.9								



**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

**Project Number:** 13606.1 **Date Tested:** 2/18/2022  
**Project Name:** CR-557 Widening **Tested By:** D. Jordan  
**Project Location:** Lake Alfred  
**Client:** Dewberry

**Boring Number:** PB-1D-1-1 **Sample Interval:** Horizontal  
**Soil Description:** Brownish-yellow sand **USCS Code:** SP

**< #200 sieve:** 3.5 %  
**Post-Test Moisture:** 24.0 %  
**Natural Moisture:** 4.0 %

**Unit weight determination** *(input in yellow)*

Weight in-situ soil + Shelby tube: 1558.25 g  
 Weight post-test soil + Shelby: 1770.47 g  
 Weight of Shelby tube: 454.71 g  
 Weight of in-situ soil: 1103.54 g  
 Weight of post-test (sat.) soil: 1315.76 g  
 Weight of soil dry: 1061.10 g  
 Diameter of Permeameter: 7.30 cm  
 Height of soil in Permeameter: 16.22 cm  
 Area of soil in Permeameter: 41.85 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.94 g/cm<sup>3</sup>

**Sample Density**

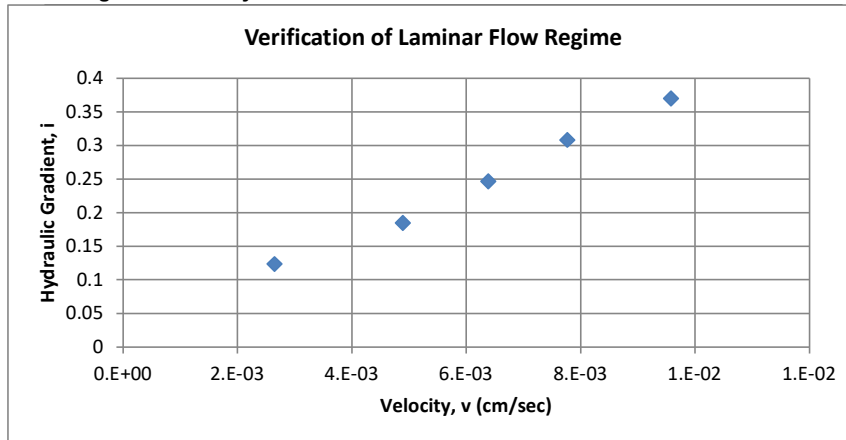
121.0 pcf (post-test)  
101.5 pcf (in-situ)  
97.6 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 16.22 cm  
 Cross sectional Area, *A*: 41.85 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\frac{\eta_T \cdot \eta_{20^\circ C}}{\eta_T \cdot \eta_{20^\circ C}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	2	9.96	90.02	21	2.14E-02	0.9761	0.12330456	2.64E-03	2.09E-02
2	3	9.87	48.21	21	2.64E-02	0.9761	0.18495684	4.89E-03	2.58E-02
3	4	10.02	37.5	21	2.59E-02	0.9761	0.24660912	6.38E-03	2.53E-02
4	5	10.18	31.33	21	2.52E-02	0.9761	0.30826141	7.76E-03	2.46E-02
5	6	9.89	24.68	21	2.59E-02	0.9761	0.36991369	9.57E-03	2.53E-02

**Average Permeability:** 2.44E-02 cm/s **34.5 in/hr**





**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

Project Number: 13606.1 Date Tested: 2/18/2022  
 Project Name: CR-557 Widening Tested By: D. Jordan  
 Project Location: Lake Alfred  
 Client: Dewberry

Boring Number: PB-1D-1-1 Sample Interval: Vertical  
 Soil Description: Brownish-yellow sand USCS Code: SP  
 < #200 sieve: 3.3 %  
 Post-Test Moisture: 28.0 %  
 Natural Moisture: 2.8 %

**Unit weight determination** (input in yellow)

Weight in-situ soil + Shelby tube: 1345.3 g  
 Weight post-test soil + Shelby: 1571.67 g  
 Weight of Shelby tube 421.87 g  
 Weight of in-situ soil: 923.43 g  
 Weight of post-test (sat.) soil: 1149.80 g  
 Weight of soil dry: 898.28 g  
 Diameter of Permeameter: 7.30 cm  
 Height of soil in Permeameter: 14.08 cm  
 Area of soil in Permeameter: 41.85 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.95 g/cm<sup>3</sup>

**Sample Density**

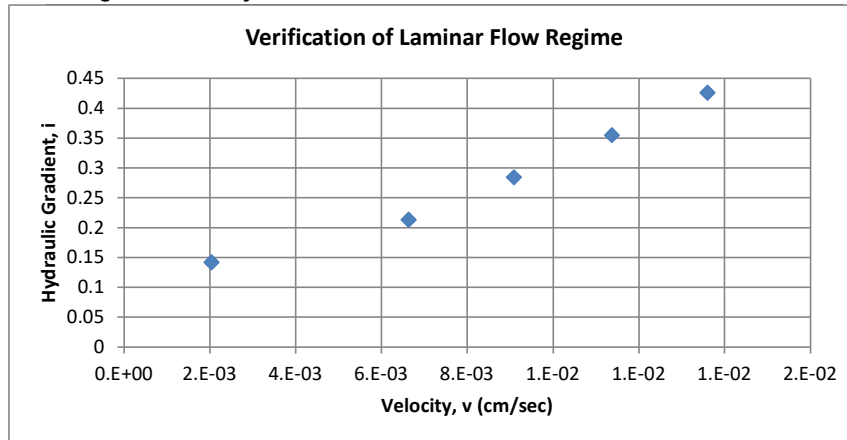
121.8 pcf (post-test)  
97.8 pcf (in-situ)  
95.2 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 14.08 cm  
 Cross sectional Area, *A*: 41.85 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\eta_{T-\eta_{20^{\circ}\text{C}}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	2	9.87	115.81	21	1.43E-02	0.9761	0.14204545	2.04E-03	1.40E-02
2	3	9.85	35.47	21	3.11E-02	0.9761	0.21306818	6.63E-03	3.04E-02
3	4	9.95	26.17	21	3.20E-02	0.9761	0.28409091	9.08E-03	3.12E-02
4	5	10	21.02	21	3.20E-02	0.9761	0.35511364	1.14E-02	3.12E-02
5	6	9.88	17.36	21	3.19E-02	0.9761	0.42613636	1.36E-02	3.11E-02

Average Permeability: 2.76E-02 cm/s **39.1 in/hr**





**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

**Project Number:** 13606.1 **Date Tested:** 2/18/2022  
**Project Name:** CR-557 Widening **Tested By:** D. Jordan  
**Project Location:** Lake Alfred  
**Client:** Dewberry

**Boring Number:** PB-1D-1-2 **Sample Interval:** Horizontal  
**Soil Description:** Pale brown sand **USCS Code:** SP

**< #200 sieve:** 3.9 %  
**Post-Test Moisture:** 22.6 %  
**Natural Moisture:** 2.1 %

**Unit weight determination** *(input in yellow)*

Weight in-situ soil + Shelby tube: 1446.83 g  
 Weight post-test soil + Shelby: 1648.91 g  
 Weight of Shelby tube: 440.36 g  
 Weight of in-situ soil: 1006.47 g  
 Weight of post-test (sat.) soil: 1208.55 g  
 Weight of soil dry: 985.77 g  
 Diameter of Permeameter: 7.26 cm  
 Height of soil in Permeameter: 14.46 cm  
 Area of soil in Permeameter: 41.40 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 2.02 g/cm<sup>3</sup>

**Sample Density**

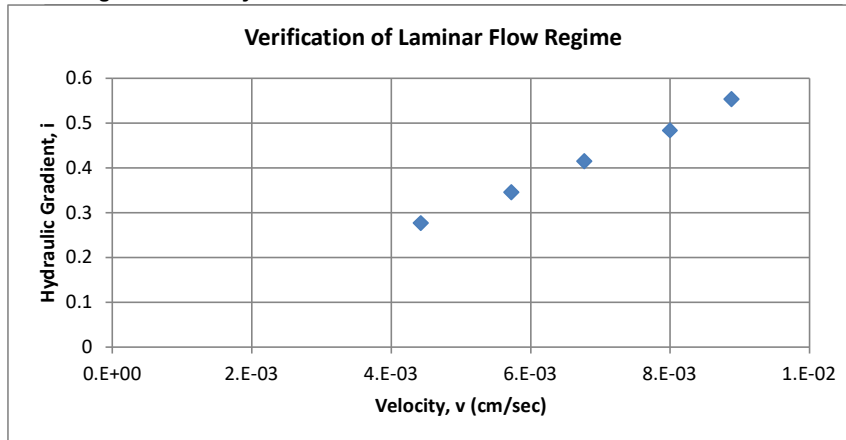
126.0 pcf (post-test)  
105.0 pcf (in-situ)  
102.8 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 14.46 cm  
 Cross sectional Area, *A*: 41.40 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\frac{\eta_T}{\eta_{20^\circ C}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	4	9.86	53.83	21	1.60E-02	0.9761	0.27662517	4.42E-03	1.56E-02
2	5	10.1	42.65	21	1.65E-02	0.9761	0.34578147	5.72E-03	1.61E-02
3	6	9.96	35.56	21	1.63E-02	0.9761	0.41493776	6.77E-03	1.59E-02
4	7	10.05	30.36	21	1.65E-02	0.9761	0.48409405	8.00E-03	1.61E-02
5	8	9.82	26.71	21	1.61E-02	0.9761	0.55325035	8.88E-03	1.57E-02

**Average Permeability:** 1.59E-02 cm/s **22.5 in/hr**





**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

**Project Number:** 13606.1  
**Project Name:** CR-557 Widening  
**Project Location:** Lake Alfred  
**Client:** Dewberry

**Date Tested:** 2/18/2022  
**Tested By:** D. Jordan

**Boring Number:** PB-1D-1-2  
**Soil Description:** Pale brown sand

**Sample Interval:** Vertical  
**USCS Code:** SP

**< #200 sieve:** 3.2 %

**Post-Test Moisture:** 25.6 %

**Natural Moisture:** 2.5 %

**Unit weight determination** *(input in yellow)*

Weight in-situ soil + Shelby tube: 1383.78 g  
 Weight post-test soil + Shelby: 1591.02 g  
 Weight of Shelby tube 464.21 g  
 Weight of in-situ soil: 919.57 g  
 Weight of post-test (sat.) soil: 1126.81 g  
 Weight of soil dry: 897.14 g  
 Diameter of Permeameter: 7.24 cm  
 Height of soil in Permeameter: 13.96 cm  
 Area of soil in Permeameter: 41.17 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.96 g/cm<sup>3</sup>

**Sample Density**

122.4 pcf (post-test)

99.9 pcf (in-situ)

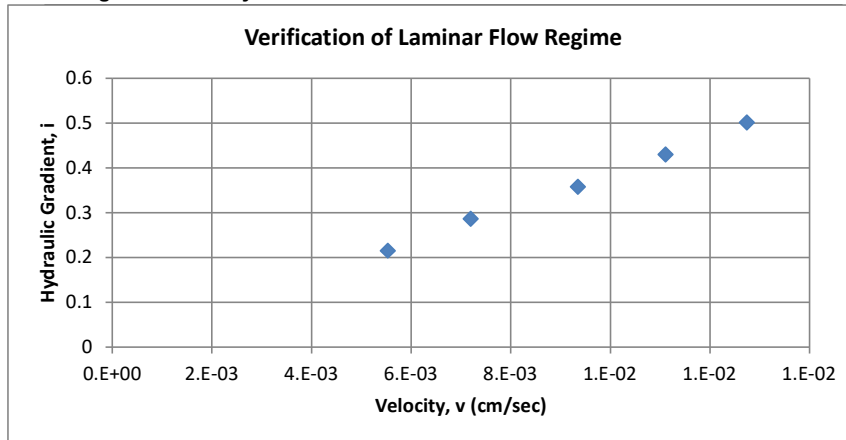
97.5 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 13.96 cm  
 Cross sectional Area, *A*: 41.17 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\frac{\eta_T}{\eta_{20^\circ\text{C}}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	3	9.91	43.54	21	2.57E-02	0.9761	0.21489971	5.53E-03	2.51E-02
2	4	9.83	33.2	21	2.51E-02	0.9761	0.28653295	7.19E-03	2.45E-02
3	5	9.87	25.66	21	2.61E-02	0.9761	0.35816619	9.34E-03	2.55E-02
4	6	10.11	22.11	21	2.58E-02	0.9761	0.42979943	1.11E-02	2.52E-02
5	7	9.9	18.88	21	2.54E-02	0.9761	0.50143266	1.27E-02	2.48E-02

**Average Permeability:** 2.50E-02 cm/s      **35.5 in/hr**





2030 State Road 60 East  
 Bartow, Florida 33830  
 (863) 533-9007

**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

**Project Number:** 13606.1 **Date Tested:** 2/18/2022  
**Project Name:** CR-557 Widening **Tested By:** D. Jordan  
**Project Location:** Lake Alfred  
**Client:** Dewberry

**Boring Number:** PB-1D-2-1 **Sample Interval:** Horizontal  
**Soil Description:** Yellowish-brown sand w/ some gravel **USCS Code:** SP

**< #200 sieve:** 2.5 %  
**Post-Test Moisture:** 26.4 %  
**Natural Moisture:** 5.2 %

**Unit weight determination** *(input in yellow)*

Weight in-situ soil + Shelby tube: 1386.45 g  
 Weight post-test soil + Shelby: 1581.39 g  
 Weight of Shelby tube: 419.09 g  
 Weight of in-situ soil: 967.36 g  
 Weight of post-test (sat.) soil: 1162.30 g  
 Weight of soil dry: 919.54 g  
 Diameter of Permeameter: 7.25 cm  
 Height of soil in Permeameter: 14.74 cm  
 Area of soil in Permeameter: 41.28 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.91 g/cm<sup>3</sup>

**Sample Density**

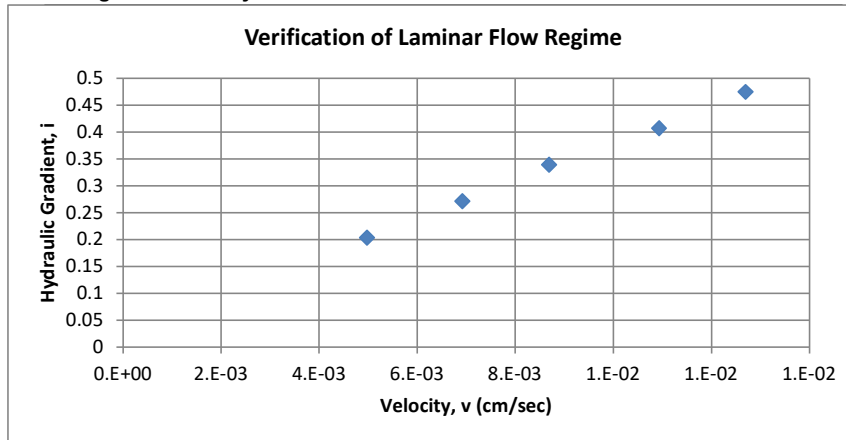
119.2 pcf (post-test)  
99.2 pcf (in-situ)  
94.3 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 14.74 cm  
 Cross sectional Area, *A*: 41.28 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\frac{\eta_T \cdot \eta_{20^\circ C}}{\eta_T \cdot \eta_{20^\circ C}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	3	9.78	47.65	21	2.44E-02	0.9761	0.20352782	4.97E-03	2.38E-02
2	4	9.64	33.77	21	2.55E-02	0.9761	0.27137042	6.91E-03	2.49E-02
3	5	10.06	28.06	21	2.56E-02	0.9761	0.33921303	8.68E-03	2.50E-02
4	6	9.78	21.68	21	2.68E-02	0.9761	0.40705563	1.09E-02	2.62E-02
5	7	10.3	19.66	21	2.67E-02	0.9761	0.47489824	1.27E-02	2.61E-02

**Average Permeability:** 2.52E-02 cm/s **35.7 in/hr**





**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

**Project Number:** 13606.1 **Date Tested:** 2/18/2022  
**Project Name:** CR-557 Widening **Tested By:** D. Jordan  
**Project Location:** Lake Alfred  
**Client:** Dewberry

**Boring Number:** PB-1D-2-1 **Sample Interval:** Vertical  
**Soil Description:** Yellowish-brown sand w/ some gravel **USCS Code:** SP

**< #200 sieve:** 2.5 %  
**Post-Test Moisture:** 26.7 %  
**Natural Moisture:** 5.3 %

**Unit weight determination** *(input in yellow)*

Weight in-situ soil + Shelby tube: 1371.81 g  
 Weight post-test soil + Shelby: 1562.54 g  
 Weight of Shelby tube: 433.31 g  
 Weight of in-situ soil: 938.50 g  
 Weight of post-test (sat.) soil: 1129.23 g  
 Weight of soil dry: 891.26 g  
 Diameter of Permeameter: 7.27 cm  
 Height of soil in Permeameter: 13.76 cm  
 Area of soil in Permeameter: 41.51 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.98 g/cm<sup>3</sup>

**Sample Density**

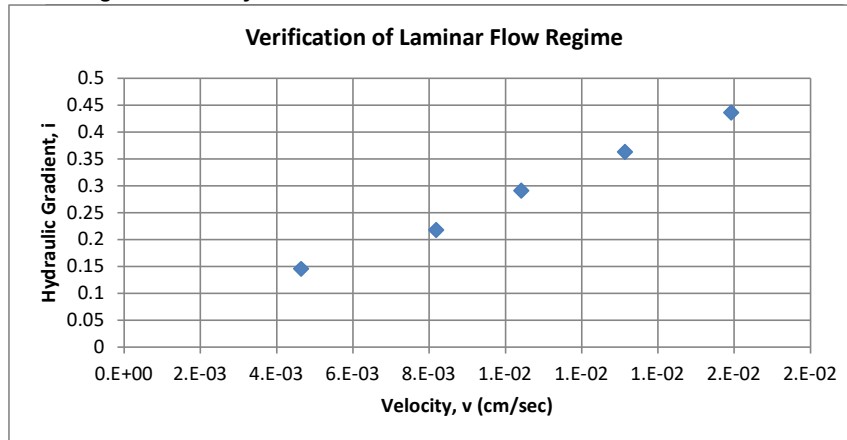
123.4 pcf (post-test)  
102.6 pcf (in-situ)  
97.4 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 13.76 cm  
 Cross sectional Area, *A*: 41.51 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\frac{\eta_T}{\eta_{20^\circ\text{C}}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	2	9.77	50.76	21	3.19E-02	0.9761	0.14534884	4.64E-03	3.11E-02
2	3	9.87	29.05	21	3.75E-02	0.9761	0.21802326	8.18E-03	3.66E-02
3	4	10.12	23.42	21	3.58E-02	0.9761	0.29069767	1.04E-02	3.50E-02
4	5	9.84	18.06	21	3.61E-02	0.9761	0.36337209	1.31E-02	3.53E-02
5	6	9.96	15.07	21	3.65E-02	0.9761	0.43604651	1.59E-02	3.56E-02

**Average Permeability:** 3.47E-02 cm/s **49.2 in/hr**





2030 State Road 60 East  
 Bartow, Florida 33830  
 (863) 533-9007

**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

**Project Number:** 13606.1 **Date Tested:** 2/18/2022  
**Project Name:** CR-557 Widening **Tested By:** D. Jordan  
**Project Location:** Lake Alfred  
**Client:** Dewberry

**Boring Number:** PB-1D-2-2 **Sample Interval:** Horizontal  
**Soil Description:** Grayish-brown sand **USCS Code:** SP

**< #200 sieve:** 2.6 %  
**Post-Test Moisture:** 28.6 %  
**Natural Moisture:** 6.2 %

**Unit weight determination** *(input in yellow)*

Weight in-situ soil + Shelby tube: 1369.66 g  
 Weight post-test soil + Shelby: 1567.24 g  
 Weight of Shelby tube 432.91 g  
 Weight of in-situ soil: 936.75 g  
 Weight of post-test (sat.) soil: 1134.33 g  
 Weight of soil dry: 882.06 g  
 Diameter of Permeameter: 7.24 cm  
 Height of soil in Permeameter: 13.86 cm  
 Area of soil in Permeameter: 41.17 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.99 g/cm<sup>3</sup>

**Sample Density**

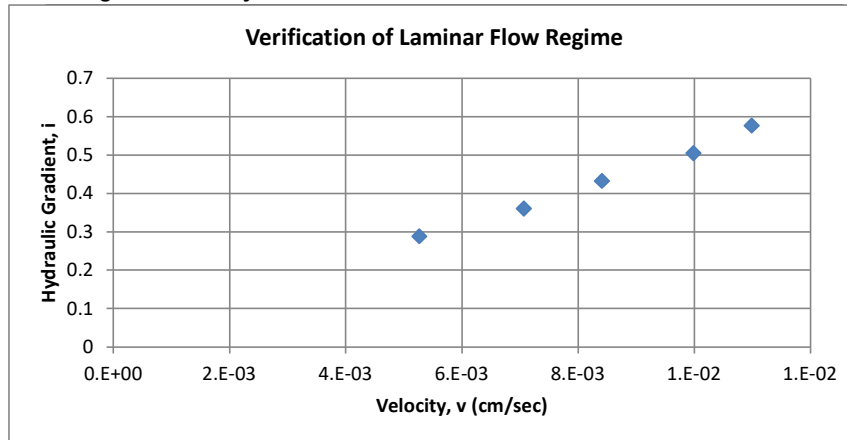
124.1 pcf (post-test)  
102.5 pcf (in-situ)  
96.5 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 13.86 cm  
 Cross sectional Area, *A*: 41.17 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\eta$ $\eta_T \cdot \eta_{20^\circ C}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	4	9.84	45.39	20	1.82E-02	1	0.28860029	5.27E-03	1.82E-02
2	5	9.88	33.99	20	1.96E-02	1	0.36075036	7.06E-03	1.96E-02
3	6	10.3	29.77	20	1.94E-02	1	0.43290043	8.40E-03	1.94E-02
4	7	10.06	24.48	20	1.98E-02	1	0.50505051	9.98E-03	1.98E-02
5	8	9.89	21.87	20	1.90E-02	1	0.57720058	1.10E-02	1.90E-02

**Average Permeability:** 1.92E-02 cm/s **27.2 in/hr**







**ASTM D2434-68 CONSTANT HEAD PERMEABILITY**

Project Number: 13606.1 Date Tested: 2/18/2022  
 Project Name: CR-557 Widening Tested By: D. Jordan  
 Project Location: Lake Alfred  
 Client: Dewberry

Boring Number: PB-1D-2-2 Sample Interval: Vertical  
 Soil Description: Yellowish-brown slightly silty sand USCS Code: SP-SM  
 < #200 sieve: 5.2 %  
 Post-Test Moisture: 29.8 %  
 Natural Moisture: 2.8 %

**Unit weight determination** (input in yellow)

Weight in-situ soil + Shelby tube: 1241.65 g  
 Weight post-test soil + Shelby: 1443.42 g  
 Weight of Shelby tube 473.4 g  
 Weight of in-situ soil: 768.25 g  
 Weight of post-test (sat.) soil: 970.02 g  
 Weight of soil dry: 747.32 g  
 Diameter of Permeameter: 7.24 cm  
 Height of soil in Permeameter: 12.54 cm  
 Area of soil in Permeameter: 41.17 cm<sup>2</sup>  
 Post-Test Unit Weight of soil: 1.88 g/cm<sup>3</sup>

**Sample Density**

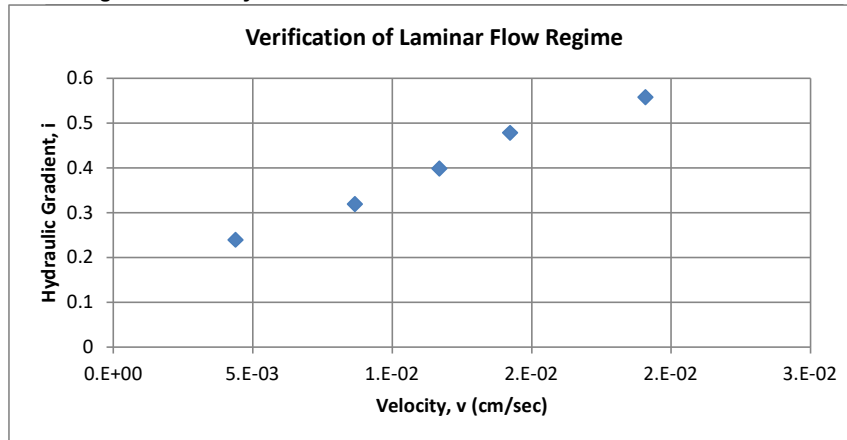
117.3 pcf (post-test)  
92.9 pcf (in-situ)  
90.4 pcf (dry)

**Permeability determination**

Length of soil in Permeameter, *l*: 12.54 cm  
 Cross sectional Area, *A*: 41.17 cm<sup>2</sup>

Trial No.	Head, <i>h</i> (cm)	Flow, <i>Q</i> <sub>out</sub> (cm <sup>3</sup> )	Time, <i>t</i> (s)	Temp, <i>T</i> (°C)	Permeability at <i>T</i> , <i>k<sub>T</sub></i> (cm/s)	Ratio of Viscosity, $\frac{\eta_T}{\eta_{20^\circ C}}$	Hydraulic Gradient, <i>i</i>	Velocity, <i>v</i> (cm/sec)	Permeability at 20°C, <i>k</i> <sub>20°C</sub> (cm/s)
1	3	9.95	55.2	20	1.83E-02	1	0.23923445	4.38E-03	1.83E-02
2	4	9.98	28.01	20	2.71E-02	1	0.31897927	8.65E-03	2.71E-02
3	5	10.3	21.42	20	2.93E-02	1	0.39872408	1.17E-02	2.93E-02
4	6	10.05	17.16	20	2.97E-02	1	0.4784689	1.42E-02	2.97E-02
5	7	10.12	12.89	20	3.42E-02	1	0.55821372	1.91E-02	3.42E-02

Average Permeability: 2.77E-02 cm/s **39.3 in/hr**



## APPENDIX K: Correspondence

THIS FORM IS INTENDED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING BY PROVIDING A PARTIAL "PROMPT LIST" OF DISCUSSION SUBJECTS. IT IS NOT A LIST OF REQUIREMENTS FOR SUBMITTAL BY THE APPLICANT.



**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
RESOURCE REGULATION DIVISION  
PRE-APPLICATION MEETING NOTES**

**FILE  
NUMBER:  
  
PA 409579**

<b>Date:</b>	06/30/2022		
<b>Time:</b>	10:00AM		
<b>Project Name:</b>	County Road 557		
<b>District Engineer:</b>	Rob, McDaniel, Christin Gentz		
<b>District ES:</b>	Cliff Ondercin		
<b>Attendees:</b>	Sean Carrigan, Nicole Gough, Harlan Walcott, Kevin Knudsen		
<b>County:</b>	Polk County	<b>Sec/Twp/Rge:</b>	31/26/26 05/27/26 08/27/26 17/27/26
<b>Total Land Acreage:</b>		<b>Project Acreage:</b>	20/27/26 29/27/26 32/27/26 150 Acres

**Prior On-Site/Off-Site Permit Activity:**

- Off-site Permit No. 42457.000/.001 for I-4 widening and redesign of I-4/CR 557 interchange. No existing ERPs over County Road 557.

**Project Overview:**

- 5.5-mile roadway expansion of County Road 557 in between East Alfred Drive and I-4 interchange from two to lanes to four lanes. 12-foot shared use path on the west side of roadway. Stormwater management is to be provided within off-site online retention and wet detention ponds.

**Environmental Discussion:** (Wetlands On-Site, Wetlands on Adjacent Properties, Delineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and Cumulative Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Wetlands to be reviewed as part of the ERP application. Provide the limits of jurisdictional wetlands and surface waters. Roadside ditches or other water conveyances, including permitted and constructed water conveyance features, can be claimed as surface waters per Chapter 62-340 F.A.C. if they do not meet the definition of a swale as stated under Rule 403.803 (14) F.S.
- Demonstrate elimination and reduction of wetland impacts. The elimination and reduction criteria can be found in subsection 10.2.1 of Applicant's Handbook Volume 1. Be advised that the use of subsection 10.2.1.2 (a) of the handbook may put the project in conflict with the state's 404 program. Coordination with the DEP, the during application review process, is recommended if the applicant wishes to use subsection 10.2.1.2 (a).
- Maintain minimum 15 foot, average 25 foot wetland conservation area setback or address secondary impacts.
- Provide appropriate mitigation using UMAM for impacts, if applicable.
- For an interactive map of permitted mitigation banks and their service areas, use this [LINK](#). Be advised that use of a bank with a modified service area (i.e. a service area that is larger than the basin the bank is located in), may require the submittal of a cumulative impact analysis pursuant to subsection 10.2.8 of Applicant's Handbook volume 1.
- If the wetland mitigation is appropriate and the applicant is proposing to utilize mitigation bank credit as wetland mitigation, provide a letter of reservation of credits from the wetland mitigation bank. The wetland mitigation bank current credit ledgers can be found out the following link: <https://www.swfwmd.state.fl.us/business/epermitting/environmental-resource-permit>, Go to "ERP Mitigation Bank Wetland Credit Ledgers"
- Please demonstrate that adverse impacts to the wetland hydro-periods will not occur by providing hydrographs of the 2.33 year mean annual storm. The graph should start and end at the pop-off elevation with Existing Condition and Proposed Condition hydrographs superimposed for comparison. Please provide a supporting narrative for the hydrographs explaining any variations that are shown. The invert of the agricultural ditches may be the existing 'pop-off' elevation, or SHWL of the wetland and may need to be considered when designing the storm water management system.
- Determine SHWL's at pond locations, wetlands, and OSWs.
- Determine normal pool elevations of wetlands.

- Determine 'pop-off' locations and elevations of wetlands.
- Please note, the Florida Department of Environmental Protection (FDEP) has assumed the Federal dredge and fill permitting program under section 404 of the Federal Clean Water Act within certain waters. State 404 Program streamlining intentions direct Agency staff to coordinate joint site visits for overall consistency between the two State programs. As such, District staff and the FDEP will need to conduct a joint site visit for evaluation of the wetland/surface water systems proposed for impact. District staff will coordinate with FDEP staff on determining dates/times of joint Agency availability. Upon determination of joint availability, staff will provide the applicant's representative with site visit scheduling options. A site visit will not be scheduled until the appropriate signatures on the application and the fee is submitted.

**Site Information Discussion:** (SHW Levels, Floodplain, Tailwater Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- County Road 557 in between East Alfred Drive and I-4 interchange.
  - Peace Creek and Polk City Watershed Model. Encroachment into the 100-year floodplain will be demonstrated to have no adverse impacts to off-site areas using both storage modeling and cup-for-cup excavation.
  - WBIDs need to be independently verified by the consultant. Several WBIDs along the roadway segment. WBID 1329G Withlacoochee River, 1504B Lake Hamilton, 1488C1 Gum Lake, 1488D3 Lake Camp – Currently, these WBIDS are not considered impaired. There is discharge proposed from off-site stormwater pond to WBID 1488D (Lake Alfred), which is impaired for nutrients. Net improvement required for the basin areas discharging to WBID 1488D.
  - Document/justify SHWE's at pond locations, wetlands, and OSWs.
  - Determine normal pool elevations of wetlands.
  - Determine 'pop-off' locations and elevations of wetlands.
  - Provide documentation to support tailwater conditions for quality and quantity design
  - Proposed control structures in wetlands should be consistent with existing 'pop-off' elevations of wetlands; demonstrate no adverse impacts to wetland hydroperiod for up to 2.33yr mean annual storm.
  - Minimum flows and levels of receiving waters shall not be disrupted.
  - Contamination issues need to be resolved with the FDEP. Check FDEP MapDirect layer for possible contamination points within/adjacent to the project area. [FDEP MapDirect Link](#)  
- FDEP Site ID Nos. **8624352** and **8624425** and Ground Water Contamination Area Zone ID No. **53263316** located within or adjacent to site. Please verify with FDEP if any have current contamination issues. FDEP MapDirect appears to indicate the markers have contamination issues.  
For known contamination within the site or within 500' beyond the proposed stormwater management system:  
- after the application is submitted, please contact FDEP staff listed below and provide them with the ERP Application ID # along with a mounding analysis (groundwater elevation versus distance) of the proposed stormwater management system that shows the proposed groundwater mound will not adversely impact the contaminated area. FDEP will review the plans submitted to the District and mounding analysis to determine any adverse impacts. Provide documentation from FDEP that the proposed construction will not result in adverse impacts. This is required prior to the ERP Application being deemed complete.  
For known offsite contamination between 500' and 1500' beyond the site:  
- FDEP may also require a mounding analysis (groundwater elevation versus distance) for the proposed stormwater systems. SWFWMD will issue the permit when contamination sites are located outside the 500 ft radius prior to concurrence from DEP, however, it is the Permittee's responsibility to resolve contaminated site assessment concerns with the FDEP prior to beginning any construction activities. A permit condition will be used to reiterate this. You are advised to contact DEP.
- FDEP Contacts:
- For projects located within Citrus, Hernando, Pasco, Hillsborough, Pinellas, Manatee, Polk and Hardee Counties: Yanisa Angulo; [yanisa.angulo@floridadep.gov](mailto:yanisa.angulo@floridadep.gov)
  - For projects located within Sarasota, DeSoto, Highlands and Charlotte Counties: Gary Maier; [Gary.Maier@FloridaDEP.gov](mailto:Gary.Maier@FloridaDEP.gov)
  - For projects located within Marion, Lake and Sumter Counties: Lu Burson; [Lu.burson@floridadep.gov](mailto:Lu.burson@floridadep.gov)
  - For projects located within Levy County: Craig Parke; [Craig.parke@floridadep.gov](mailto:Craig.parke@floridadep.gov)
- Stormwater retention and detention systems are classified as moderate sanitary hazards with respect to public and private drinking water wells. Stormwater treatment facilities shall not be constructed within 100 feet of an existing public water supply well and shall not be constructed within 75 feet of an existing private drinking water well. Subsection 4.2, A.H.V.II.

- District GIS identifies several existing Well Construction Permits along County Road 557.
- Any wells on site should be identified and their future use/abandonment must be designated.
- District data collection site may be impacted by proposed construction (Site IDs 17652 and 670744). Contact [data.maps@watermatters.org](mailto:data.maps@watermatters.org) to coordinate relocation of District data collection site.

**Water Quantity Discussions:** (Basin Description, Storm Event, Pre/Post Volume, Pre/Post Discharge, etc.)

- Demonstrate that post development peak discharges from proposed project area will not cause an adverse impact for a 25-year, 24-hour storm event.
- For projects or portions of projects that discharge to a closed basin, limit the post-development 100-year discharge volume to the pre-development 100-year, 24-hour volume.
- Demonstrate that site will not impede the conveyance of contributing off-site flows.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
- Watershed Model information may be available for download using the following link: <https://watermatters.sharefile.com/d-s8c9019e00fd243908654e733a6b2016c>
- Provide equivalent compensating storage for all 100-year, 24-hour riverine floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation- if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels. Otherwise, storage modeling will be required to demonstrate no increase in flood stages will occur on off-site properties, using the mean annual, 10-year, 25-year, and 100-year storm events for the pre- and post-development conditions.
- Please be aware that if there is credible historical evidence of past flooding or the physical capacity of the downstream conveyance or receiving waters indicates that the conditions for issuance will not be met without consideration of storm events of different frequency or duration, applicants shall be required to provide additional analyses using storm events of different duration or frequency than the 25-year 24-hour storm event, or to adjust the volume, rate or timing of discharges. [Section 3.0 Applicant's Handbook Volume II]

**Water Quality Discussions:** (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- Provide water quality treatment for entire project area and all contributing off-site flows.
- In addition, if the project discharges to an impaired water body, must provide a net environmental improvement.
- Applicant must demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use.
- Also, replace treatment function of existing ditches to be filled.
- Net improvement
  - Refer to rule 62-330.301(2), F.A.C.
  - WBID 1488D impaired for nutrients. Please verify accuracy of WBID boundaries and status of impairment.
  - The application must demonstrate a net improvement for nutrients. Applicant may demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use. Refer to ERP Applicant's Handbook Vol. II Subsection 4.1(g).
  - Effluent filtration is known to be ineffective for treating nutrient related impairments, unless special nutrient adsorption media provided. However, please note special nutrient adsorption media has extremely low conductivity values compared to typical sand type effluent filtration filter media. Note: if treatment volume required for net improvement is less than the treatment volume required for 'presumptive' treatment, then use of effluent filtration is ok.

**Sovereign Lands Discussion:** (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- N/A

**Operation and Maintenance/Legal Information:** (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property.
- Provide evidence of ownership or control by deed, easement, contract for purchase, etc. Evidence of ownership or control must include a legal description. A Property Appraiser summary of the legal description is NOT acceptable.

**Application Type and Fee Required:**

- SWERP – Sections A, C, and E of the ERP Application.

- < 640 acres of project area and < 50 acre of wetland or surface water impacts - \$3,105.75 Online submittal
- Consult the [fee schedule](#) for different thresholds.

**Other:** (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.
- Provide a copy of the legal description (of all applicable parcels within the project area) in one of the following forms:
  - a. Deed with complete Legal Description attachment.
  - b. Plat.
  - c. Boundary survey of the property(ies) with a sketch.
- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

**ELECTRONIC (Manifest):** *[NAME] State of Florida, Professional Engineer, License No. [NUMBER]  
This item has been electronically signed and sealed by [NAME] on the date indicated here using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies*

**DIGITAL:** *[NAME] State of Florida, Professional Engineer, License No. [NUMBER]; This item has been digitally signed and sealed by [NAME] on the date indicated here; Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.*

- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.
- Demonstrate that excavation of any stormwater ponds does not breach an aquitard (see Subsection 2.1.1, A.H.V.II) such that it would allow for lesser quality water to pass, either way, between the two systems. In those geographical areas of the District where there is not an aquitard present, the depth of the pond(s) shall not be excavated to within two (2) feet of the underlying limestone which is part of a drinking water aquifer. [Refer to Subsection 5.4.1(b), A.H.V.II]
- If lowering of SHWE is proposed, then burden is on Applicant to demonstrate no adverse onsite or offsite impacts as per Subsection 3.6, A.H.V.II. Groundwater drawdown 'radius of influence' computations may be required to demonstrate no adverse onsite or offsite impacts. Please note that new roadside swales or deepening of existing roadside swales may result in lowering of SHWE. Proposed ponds with control elevation less than SHWE may result in adverse lowering of onsite or offsite groundwater.
- On December 17, 2020, the Environmental Protection Agency (EPA) formally transferred permitting authority under CWA Section 404 from the U.S. Army Corps of Engineers (Corps) to the State of Florida for a broad range of water resources within the State. The primary State 404 Program rules are adopted by the Florida Department of Environmental Protection (FDEP) as Chapter 62-331 of the Florida Administrative Code (F.A.C.). While the State 404 Program is a separate permitting program from the Environmental Resource Permitting program (ERP) under Chapter 62-330, F.A.C., and agency action for State 404 Program verifications, notices, or permits shall be taken independently from ERP agency action, the FDEP and the Southwest Florida Water Management District (SWFWMD) will be participating in a Joint application Process. Upon submittal of an ERP application that proposes dredge/fill activities in wetlands or surface waters within state assumed waters, the SWFWMD will forward a copy of your application to the FDEP for activities under State 404 jurisdiction. The applicant may choose to have the State 404 Program and ERP agency actions issued concurrently to help ensure consistency and reduce the need for project modifications that may occur when the agency actions are issued at different times. Additional information on the FDEP's 404 delegation can be found at: <https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/state-404-program>

Additionally, for those projects located in areas where the Corps retains jurisdiction, the applicant is advised that the District will not send a copy of an application that does not qualify for a State Programmatic General Permit (SPGP) to the U.S. Army Corps of Engineers. If a project does not qualify for a SPGP, you will need to apply separately to the Corps using the appropriate federal application form for activities under federal jurisdiction. Please see the Corps' Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please call your local Corps office if you have questions about federal permitting. Link: <http://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>

**Disclaimer:** The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.



## MEMORANDUM

**Date:** July 29, 2019

**To:** FILE

**From:** Krystal Somerville

**Subject:** Polk County Project Number 18-73, CR 557 (Buena Vista Drive) from North of CSX Railroad to South of the I-4 Interchange – Phone Call with Polk County Roads and Drainage Coordinator

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### Message:

The Polk County Winter Haven office was called on Monday, July 29, 2019 at 3:44 pm at the phone number 863-535-2200. The conversation involved Krystal Somerville of Dewberry Engineers, Inc. and Phil Irven, Polk County's Roads and Drainage Coordinator.

After establishing the project location, Phil provided locations, quantity and pipe sizes of two (2) cross drains. Phil did not know if the existing cross drains have experienced deficiencies or have had to be lined. There have not been any general maintenance or flooding concerns along the project corridor, but there were a few calls with concerns on the CR 557A branch.

Phil also provided the current conditions of the existing land, noting that the area where CR 557 and CR 557A separate, or the "Y", is "pretty rural" and that the remainder of the project south of the "Y" is "mostly wetlands and marsh". Phil also noted that the corridor was "good on flooding complaints". Phil was thanked for his time and the information he provided. He did not provide a direct line and said he could be reached through the main line. The call ended at 3:53 pm.

**cc:**Type names here, separate them with a semicolon. (Jane Doe; Frank Smith.)

### Distribution List:

Type names here, separate them with a semicolon. (Jane Doe; Frank Smith.)