

State of Florida
Department of Transportation



CADD Manual
(Production Criteria)

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PRODUCTION SUPPORT OFFICE - CADD
TALLAHASSEE, FLORIDA
<http://www.fdot.gov/cadd/>

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**Florida Department of Transportation
CADD Manual
Record of Changes as of November 1, 2016**

NOTE: All headings changed to included update date. All links updated with new FDOT locations.
All "Engineering / CADD Systems Office (ECSO)" verbiage changed to reflect move to
"Production Support Office | CADD (CADD)".

| | |
|------------------|---|
| Chapter 1 | Introduction |
| | None |
| Chapter 2 | Computer Systems |
| | None |
| Chapter 3 | CADD Production Standards |
| 3.8 | Added Drain_Nodes3D.cel library for 3 dimensional use for SUDA. |
| Chapter 4 | CADD Production Procedures |
| 4.8.2.1 | - Removed from second bullet the verbiage "Prior to the first revision, designers should renumber sheets avoiding use of suffixes." - Prefix Component table: renamed CTL: from "Survey Control Sheets" to "Project Control Sheets"; added PC - Roadway Plans - Project Control; added BQ - Structures Summary of Structures. - Removed from last paragraph verbiage ", although this practice is strongly discouraged." |
| 4.13.1.1 | - Removed obsolete filenames: AMGMRD, CORRRD, RDTMRD - Added new filename: MODLRD - Proposed Design Model - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." - Update filename LDXSRD & RWDTRD templates to fdotmaster.dwt |
| 4.13.2.1 | - Expanded filename SNGEO description to read "Signs Standard Penetration Test (SPT) Borings" - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.3.1 | - Expanded filename SGGEO description to read "Signs Standard Penetration Test (SPT) Borings" - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." - Update filename MSSGSG templates to planrd.dwt |
| 4.13.4.1 | - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.5.1 | - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.8.1 | - Removed the verbiage "Existing Bridge plan sheets must be submitted in PDF format, not DGN, and manually inserted into the plans using sheet numbers as provided in the following table." - Structures Filename Table: Total reconstruction of the Structures filenames and sheet ordering. Created a separate Non-Bridge Related Filenames bullet with table. |
| 4.13.8.11 | - Update information to be in sync with the 2017 Structures Detailing Manual. |
| 4.13.10.4 | - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.11.1 | - Update filename LDXSRD template to fdotmaster.dwt |
| 4.13.12.1 | - Updated CTLSRD description from "Survey Project Network Control Sheets" to "Project Control Sheets" |
| 4.13.13 | - Corrected filename PGGEO to PDGEO - Expanded all descriptions: "CPT" to "Cone Penetration Test (CPT)"; "SPT" to "Standard Penetration Test (SPT)"; "MSE" to "Mechanically Stabilized Earth (MSE)" - Renamed filenames: "B#CPTGEO" to "B#ConePTGEO"; "B#MSEWGeo" to "B#MSEWallGeo"; "B#NWWGeo" to "NoneB#NoiseWallGeo"; "B#RTWGeo" to "B#RetainingWallGeo" - Added new filenames: ConePTGeo; MSEWallGeo; NoiseWallGeo; RetainingWallGeo; SheetPileWallGeo |
| 4.13.14.1 | - Renamed CTLSRD: from "Survey Project Network Control Sheets" to "Project Control Sheets" - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.15.1 | - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.16.1 | - Renamed CTLSEM: from "Survey Project Network Control Sheets" to "Project Control Sheets" - Updated "Signature Sheet" filename descriptions to read "Digital Signatures..." |
| 4.13.17 | - Rewrote to reflect Specifications move to under Program Management Office. |
| Chapter 5 | Delivery Procedure |
| 5.8.1 | - Added the component listing: 10 – Utility Work by Highway Contractor Agreement Plans |
| 5.10.1 | - Added the Plans Component PDF listing: fpid-PLANS-10-UTILITYWORK.PDF |
| 5.10.1.1 | - Renamed "Project Network Control Survey" to "Project Control". - Renamed the PDF filename "<fpid>-PLANS-<component code>-<component>-PNC.PDF" to "<fpid>-PLANS-<component code>-<component>-PC.PDF" - Example table: Renamed the PDF filename "<fpid>-PLANS-01-ROADWAY-PNC.PDF" to "<fpid>-PLANS-01-ROADWAY-PC.PDF" - Example table: Renamed the PDF filename "<fpid>-PLANS-08-STRUCTURES-PNC.PDF" to "<fpid>-PLANS-08-STRUCTURES-PC.PDF" |
| 5.12 | - Renamed "Project Network Control" to "Project Control" |
| Chapter 6 | Support |
| | None |
| Chapter 7 | Software Development and Distribution |
| | None |

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| Chapter 8 | Quality Assurance |
|------------|---|
| | None |
| Appendix A | CADD Standard Rule Tables |
| | NOTE: Added Platform column to each table (A=Autodesk, B=Bentley, Blank=Both) . All standard rule symbology and descriptions corrected to be in sync with MasterStandards.xlsx. |
| ALGNRD | None |
| AUTOSP | None |
| CLIPRD | None |
| DRDTRD | None |
| DREXRD | - Added existing levels: Logo_dp, Miscellaneous0 - Miscellaneous9, NonPlottingEle_dp, Scratch1_dp, Scratch2_dp, ScratchEle_dp, ScratchEle2_dp, SpecialDetails, TextConstEle |
| DRMPRD | None |
| DRPRRD | - Added existing levels: Logo_dp, SpecialDetails |
| DRXSRD | - Created new levels: BLSurvey, CLConst_px - Added existing level: SpecialDetails |
| DSGNLD | - Added existing levels: Logo_dp, SpecialDetails |
| DSGNLT | - Added existing level: SpecialDetails |
| DSGNRD | - Created new levels: BLSurvey, CLConst_px |
| DSGNSG | - Created new Autodesk layers: PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30) |
| DSGNSP | - Created new Autodesk layers: PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30) |
| DTMRD | - Added existing levels: Logo_dp, SpecialDetails |
| GDTMRD | - Added existing levels: ConstLines, ConstLines_pm, ImageAttachment_dp, Logo_dp, Miscellaneous0, Miscellaneous1, Miscellaneous2, Miscellaneous3, Miscellaneous4, Miscellaneous5, Miscellaneous6, Miscellaneous7, Miscellaneous8, Miscellaneous9, NonPlottingEle_dp, Scratch1_dp, Scratch2_dp, ScratchEle_dp, ScratchEle2_dp, SpecialDetails, TextConstEle |
| GEOTECH | - Added existing level: SpecialDetails |
| GSWKSP | - Added existing level: SpecialDetails |
| IRRGD | - Added existing levels: Logo_dp, SpecialDetails |
| ITSSP | - Created new Autodesk layers: PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30) |
| KEYSHT | - Added existing levels: SpecialDetails |
| MSARSP | - Added existing level: Logo_dp |
| OPEN | None |
| PDXSRD | - Created new levels: BLSurvey, CLConst_px - Added existing level: SpecialDetails |
| PLANRD | - Added existing level: SpecialDetails |
| PLPRRD | - Added existing level: SpecialDetails |
| QTDSRD | - Created new levels: BLSurvey, CLConst_px, ConcreteRemoval - Added existing levels: Logo_dp, SpecialDetails - Created new Autodesk layers: PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30) |
| RDXSRD | - Created new levels: BLSurvey, CLConst_px - Added existing level: SpecialDetails |
| RDXSSP | - Created new levels: BLSurvey, CLConst_px - Created new Autodesk layers: PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30) - Added existing level: SpecialDetails |
| RWDTRD | - Added existing level: Logo_dp |
| RWENG10 | None |
| SPST10 | None |
| SURVRD | None |

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| | |
|--------|---|
| TCDSRD | <ul style="list-style-type: none"> - Created new levels: <i>BLSurvey, CLConst_px</i> - Created new Autodesk layers: <i>PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30)</i> |
| TOPORD | <ul style="list-style-type: none"> - Added existing levels: <i>Logo_dp, Miscellaneous0, Miscellaneous1, Miscellaneous2, Miscellaneous3, Miscellaneous4, Miscellaneous5, Miscellaneous6, Miscellaneous7, Miscellaneous8, Miscellaneous9, NonPlottingEle_dp, ScratchEle_dp, ScratchEle2_dp, SpecialDetails, TextConstEle</i> |
| TYPDRD | <ul style="list-style-type: none"> - Created new levels: <i>BLSurvey, CLConst_px</i> - Created new Autodesk layers: <i>PMSkip(10-10-20), PMSkip(2-2-2), PMSkip12W(2-4), PMSkip12W(3-9), PMSkip6B(10-30), PMSkip6W(10-30), PMSkip6W(2-4), PMSkip6W(3-9), PMSkip6W(6-10), PMSkip6Y(10-30), PMSkip6Y(2-4), PMSkip6Y(6-10), PMSkip8W(3-9), PMSkip9C(10-30)</i> - Added existing level: <i>SpecialDetails</i> |
| UTADRD | <ul style="list-style-type: none"> - Created new levels: <i>BLSurvey, CLConst_px</i> - Added existing level: <i>SpecialDetails</i> |
| UTEXRD | <ul style="list-style-type: none"> - Added existing levels: <i>Logo_dp, Miscellaneous0, Miscellaneous1, Miscellaneous2, Miscellaneous3, Miscellaneous4, Miscellaneous5, Miscellaneous6, Miscellaneous7, Miscellaneous8, Miscellaneous9, NonPlottingEle_dp, Scratch1_dp, Scratch2_dp, ScratchEle_dp, ScratchEle2_dp, SpecialDetails, TextConstEle</i> |
| UTPRRD | <ul style="list-style-type: none"> - Created new levels: <i>BLSurvey, CLConst_px</i> - Added existing levels: <i>Logo_dp, SpecialDetails</i> |

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Chapter 1

INTRODUCTION

1.1 PURPOSE

The *CADD Manual* addresses the requirement to utilize Computer Aided Design and Drafting (CADD) for production and delivery of digital project data for the Florida Department of Transportation (Department). In addition to software and configuration requirements, it identifies tools, techniques, applications, standards and procedures that are used to produce a consistent and quality CADD product for the Department.

The *CADD Manual* establishes *minimum* CADD standards to ensure a consistent, predictable and repeatable CADD data set for Department's projects. The *CADD Manual* also serves to provide professional services administrators, project managers, consultants, in-house designers, and others a procedure to be incorporated by reference into scopes and other contract documents for services.

1.2 AUTHORITY

[Subsection 20.23\(4\) \(a\), Florida Statutes \(F.S.\)](#)

[Section 334.048\(3\) Legislative Intent to Department Management Accountability and Monitoring Systems, Florida Statutes \(F.S.\)](#)

1.3 SCOPE

The *CADD Manual* is to be used by all personnel producing projects utilizing CADD for the Department. It is to be referenced in contracts requiring engineering plans preparation utilizing CADD. This manual affects all offices of the Department and all consultants, contractors and others who utilize CADD applications. The Districts are monitored for critical requirement to meet the Department's CADD Quality Assurance objectives.

1.4 DEFINITIONS

CADD - (Acronym for Computer Aided Design and Drafting) Software and methods used to design and represent objects graphically on the computer. CADD facilitates the visual presentation of Engineering Data.

Statewide CADD Coordinator – Individual in the Central Office responsible for coordinating amongst the Districts to implement a uniform policy and standards for CADD operations for the Department.

CADD Manager - The CADD Manager is responsible for (1) support of the core CADD software products in the work units and (2) a variety of engineering data services functions including but not limited to the receipt, acceptance, and management of digital deliveries of project data.

CADD Support - The technical and operational activity necessary to ensure that a production environment is maintained, which includes:

- a) Selection, development and distribution of production CADD software, related procedures, criteria and standard operating instructions,
- b) Provision of training opportunities for CADD users,
- c) Management of design data produced with the CADD software,
- d) Statewide procurement of: CADD software, training services, and software development assistance.

CADD TAC - (Acronym for Technical Advisory Committee) A discipline-based group sanctioned by the Statewide CADD Coordinator consisting of District and Central Office representatives charged to meet and work on statewide technical issues dealing with CADD applications, procedures, testing, training, and implementation.

Engineering Data - Those digital files which support or represent the intent of the engineering design.

1.5 ORGANIZATION

The Department's Production Support Office | CADD (CADD), with input from the districts and industry, will develop and maintain procedures and standards for the Department's CADD production and related activities.

The following chapters are included:

Chapter 1 Introduction: Describes and implements the *CADD Manual*.

Chapter 2 Computer Systems: Establishes the minimum requirements for procurement, maintenance and technical support of the Department's CADD systems.

Chapter 3 CADD Production Standards: Defines the critical CADD Production Standards to be used in the production of the Department's CADD projects.

Chapter 4 CADD Production Procedures: Establishes minimum requirements for the production of the Department's CADD projects in accordance with the Department's plans preparation procedures and practices.

Chapter 5 Delivery Procedure: Establishes the minimum requirements and functions necessary for the Department's CADD delivery, describing how electronic data is to be delivered, archived and made available to customers.

Chapter 6 Support: Establishes the primary components of the Department's CADD support structure and services, including the statewide training, and defines applications and tools supported by the CADD.

Chapter 7 Software Development and Distribution: Establishes how the Department's CADD software is developed, tested, approved and distributed.

Chapter 8 Quality Assurance: Establishes the bases for Quality Assurance (QA) monitoring of the Department's District CADD functions, including the areas of responsibility, frequency of monitoring and reporting methods.

1.6 REFERENCES

[Florida Administrative Code, Chapter 1B-26.003\(10\)](#)

This document provides standards for record (master) copies of public records which reside in electronic recordkeeping systems.

[Information Technology Resource User's Manual, Topic No. 325-000-002](#)

This document contains the standards and guidelines related to information technology resources.

1.7 REVISIONS AND ADDITIONS

CADD Manual holders are encouraged to submit comments and suggestions for improvements to this manual. The Suggestion and Comment sheet at the end of this chapter or the CADD email link listed on the sheet may be used to provide feedback. All proposed revisions and additions, either in draft or final form, must be reviewed by all offices affected by the Manual.

Chapter 1 of this manual is the only chapter subject to the Executive Review Process. This chapter authorizes the development and implementation of the *CADD Manual*. The remaining chapters will be updated and approved by the Statewide CADD Coordinator with input from the Districts and offices within the Central Office that may be affected. The intent is to be able to make technical revisions to the manual in a timely manner. Substantive revisions that result in policy change must be coordinated with the Executive Committee *in* accordance with *Procedure No. 025-020-002, Standard Operating System*.

All revisions and updates must be coordinated with the Forms and Procedures Office prior to distribution to ensure conformance with and incorporation into the Department's Standard Operating System.

1.7.1 CADD Manager Responsibility

District CADD Managers must interface between the users of CADD and the CADD to facilitate input, revisions and additions to this manual. It is the CADD Manager's responsibility to ensure that all offices affected by this manual are informed of the Department's CADD policies, procedures, and standards. The CADD Manager must forward District recommendations for changes to CADD policies, procedures, and standards to the Statewide CADD Coordinator for consideration and processing through the CADD TACs.

1.7.2 CADD TAC Responsibility

Disciplines utilizing CADD are represented by a CADD TAC. Each District and the Central Office are represented on the TACs by knowledgeable and proficient CADD users. The purpose of these TACs is to continually improve the CADD procedures, process, standards, and identify users' needs. End User and CADD Manager Input for revisions and additions to the *CADD Manual* are processed through the TACs. The chairperson must forward committee recommendations to the Statewide CADD Coordinator and copy the District CADD Manager.

1.8 DISTRIBUTION

The *CADD Manual* is distributed in electronic form and may be downloaded from the CADD website:

<http://www.fdot.gov/cadd/downloads/publications/publications.shtm>

1.9 TRAINING

Training issues and opportunities are identified within the applicable chapters.

1.10 FORMS

Forms required for use with this manual are identified at the end of each chapter where applicable.

Chapter 2

COMPUTER SYSTEMS

2.1 PURPOSE

This chapter establishes the minimum requirements for procurement, maintenance and technical support of the Florida Department of Transportation (Department's) Computer Aided Design and Drafting (CADD) systems.

2.2 SCOPE

These requirements apply to all computer technology and services within the responsibility of the Production Support Office | CADD (CADD), the CADD Managers of each District, Office of Information Technology (OIT), and Information Technology (IT) personnel assigned to support the CADD program.

2.3 DEFINITIONS

CADD Hardware: The workstations, servers, printers and all other computer equipment used in the Department's design production effort.

CADD Software: Any software procured, developed, distributed and supported by CADD.

OIT Personnel Supporting CADD: OIT personnel assigned to support the CADD program to perform the role of management and related tasks of the Department's IT infrastructure.

2.4 REFERENCES

[Information Technology Resource User's Manual, Topic No. 325-000-002](#)

This document contains the standards, guidelines, and requirements related to information technology resources.

2.5 PROCUREMENT OF CADD HARDWARE AND SOFTWARE

The CADD Managers and OIT personnel evaluate the needs for computer hardware to provide recommendations for procurement of any of the Department's CADD hardware where appropriate, and do so in accordance with *Information Technology Resource User's Manual, Topic No. 325-000-002*. The CADD participates with OIT in the development of the Information Technology Resource Standards and evaluation of hardware to be procured for use in CADD.

The CADD, in conjunction with the Technical Advisory Committees (TACs) and CADD Managers, review the statewide CADD software needs to support the Department's production efforts.

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Chapter 3

CADD PRODUCTION STANDARDS

3.1 PURPOSE

This chapter defines the Florida Department of Transportation (Department's) critical Computer Aided Design & Drafting (CADD) Production Standards to be used in the production of the Department's CADD projects.

3.2 SCOPE

These Production Standards apply to all projects produced by and for the Department using CADD in addition to the criteria, standards and procedures of the various disciplines within the Department.

3.3 DEFINITIONS

The following definitions relate to electronically generated project data and deliverables. For the definition of other common terms and acronyms used in this Manual, refer to the respective Chapters.

ByLayer (Civil 3D)– A property that, when turned on, causes the object on a particular layer to retrieve its definition from the Layer Properties of that layer, such as Color, Linetype, and Line weight.

ByLevel (MicroStation)– A setting that, when turned on, causes the element on a particular level to retrieve its definition from the Level Symbolology of that layer, such as Color, Line Style, and Line Weight defined by the Level Symbolology.

Component – A categorization of design plans as defined in Chapters 2 & 3 of the Department's *Plans Preparation Manual (PPM)*, Volume 2. The list of plans components for Digital Delivery is comprised of the following:

1. Roadway Plans
2. Signing and Pavement Marking Plans
3. Signalization Plans
4. Intelligent Transportation System (ITS) Plans
5. Lighting Plans
6. Landscape Plans
7. Architectural Plans
8. Structures Plans
9. Toll Facilities Plans

The plans components do not directly correspond to the project's folder structure. For example, drainage files have a \drainage\ folder below the root level project folder, but might be included as part of the Roadway Plans Component.

Design File – An electronic CADD file that conforms to MicroStation® (DGN) or AutoCAD® (DWG) graphics formats.

Drawing Units (Civil 3D) – The real-world units used in a Civil 3D drawing that represents the measurement system used to construct the real world design, such as US Survey Feet.

Font Library – A file in which text characters styles, symbols, or patterns are stored.

- Global Origin (MicroStation)** – Origin location of the Cartesian coordinate system in the design plane coordinates (UORs) for MicroStation files. When design plane positions are specified or reported in working units, they are relative to the global origin.
- Layer Symbology (Civil 3D)** – The definition of the properties an object inherits when placed on a layer using the “ByLayer” property. The layer definition contains properties such as Color, Linetype, and Line weight.
- Level / Layer** – Data in the design file segregated into drawing levels or layers.
- Level Symbology (MicroStation)** – The definition of the symbology an element inherits when placed on a level using the “ByLevel” setting. The level definition contains symbology such as Color, Line Style, and Line Weight
- Line Style (MicroStation)** – Part of the symbology of an element: for example, whether a line is represented a solid or continuous, composed of dashes, dots and dashes, and so on. Each element has its own line style.
- Line Weight (MicroStation)** – An index that designates the thickness of the lines used to draw or print a graphic element. Each element has its own line weight.
- Linetype (Civil 3D)** – Part of the property of an object: for example, whether a line is represented by a continuous line or a series of dots and/or dashes and spaces.
- Line weight (Civil 3D)** – The thickness of a line used for display or print purposes defined in millimeters.
- Master Units (MicroStation)** – The largest unit in common use in a design file, usually represented in US Survey Feet for most of the Department’s seed files.
- Project Folder** – The parent or “root” folder for a project containing all of the project’s subfolders and files.
- Properties (Civil 3D)** – The settings applied to an element for visualization/printing purposes, such as Color, Linetype, Line weight, Transparency, etcetera.
- Supporting CADD Files** – Any file, including Resource Files (such as fonts, line styles, pen tables, cell / block libraries, etcetera.) required to produce the printable sheet images of a plan set.
- Symbol** – A character placed from a TrueType font, MicroStation font library, or AutoCAD font file.
- Symbology (MicroStation)** – The settings applied to an element for visualization/printing purposes, such as Color, Line Style, Line Weight, Transparency, etcetera.
- Text Attributes / Properties** – The color, weight, font, height and width of text.
- Text Element / Objects** – Text in (MicroStation / AutoCAD) design files as a distinct type of element.
- Units of Resolution (UORs) (MicroStation)** – The distance between adjacent points in a MicroStation design plane. There are a very large number of fixed discrete positions or UORs along each coordinate axis that are defined as real world coordinates by master units and sub-units (collectively, working units).
- Working Area (MicroStation)** – Size, in working units square, of design plane.
- Working Units (MicroStation)** – The real-world units in MicroStation that the design plane is configured to, such as US Survey Feet.

3.4 REFERENCES

[Plans Preparation Manual Volume 1 & 2, Topic Nos. 625-000-007 / 625-000-008](#)

This manual provides engineering criteria and guidelines to be used in the development of Roadway designs and plans preparation for roads on the State Highway System.

[Facilities Design Manual \(Topic No. 625-020-016\)](#)

This manual describes the Department's guidelines and requirements for providing professional Architectural / Engineering (A / E) consulting services for building facility projects for the Department.

[Design Standards \(Topic No. 625-010-003\)](#)

These indexes provide standard drawings to support the various engineering obligations for designing, specifying, estimating, constructing, inspecting, testing, accepting, operating, maintaining and monitoring the roads on the State Highway System including Standard Abbreviations.

[Structures Manual \(Topic No. 625-020-018\)](#)

This manual provides the structures personnel with guidelines for the development of uniform structural design and plans preparation.

3.5 CADD RESOURCE AND SUPPORT FILES

The Department develops CADD Standards for the production of Florida transportation facility plans to be delivered with the aid of the CADD Software Suite. The Production Support Office | CADD (CADD) manages and coordinates these CADD Standards through customizations within the Department's approved CADD software platforms and the tools contained in the CADD Software Suite.

The Department's CADD Software Suite includes standard design libraries / templates to propagate the CADD Standards definitions of levels / layers and symbology (color, line styles / linetypes, weights), multi-line styles, text styles, dimension styles, cells, element templates, menu customizations, customized tools, tool boxes, and tasks for both the Bentley GEOPAK and Autodesk Civil 3D platforms.

Projects will be maintained and updated with the latest available and supported software versions published on the Production Support Office | CADD (CADD) listed below. Exceptions must be approved by the Department's Project Manager and must be documented and delivered as part of the project.

<http://www.fdot.gov/cadd/main/Version/CurrentVersions.shtm>

The Department's standard resources definitions for CADD drawings are consistent between the MicroStation and AutoCAD platforms. The following are examples of platform conventions:

| <u>MicroStation</u> | <u>AutoCAD equivalent</u> |
|---------------------|---------------------------|
| File name | File name |
| Level name | Layer name |
| Cell Library | Block Drawing |
| Cell name | Block name |
| Line Style | Linetype |
| Line Weight | Line weight |
| Color | Color |
| Seed file | Template file |

3.5.1 Supporting Database Resources

For MicroStation projects the Department's CADD Software Suite includes a GEOPAK Design and Computation (D&C) Manager database file, *FDOTXXX.ddb*, located at *\FDOTXXX\geopak\databases\folder*. This database is set up specifically to create drawing elements and attach pay item data according to the Department's CADD Standards. Likewise, for AutoCAD Civil 3D projects, the *AECMerge.xml* file is delivered with the FDOTXXXX.C3D State Kit and serves a similar function. *AECMerge.xml* is located in the *\FDOTXXXX.C3D\Data\PayItemData* folder.

Note 'XXX' or 'XXXX' represent the versioning of the Department's CADD Software Suite.

These resources may need to be modified for project specific items or to comply with District standards. If the GEOPAK D&C Manager *FDOTXXX.ddb* database is customized, the user must save a copy of this custom database into the project folder in the *\symp* project sub-folder. Saving the database to the project folder is important to ensure the modified database will be delivered with the project. Likewise a modified copy of the Civil 3D *AECMerge.XML* file must be saved to the *\symp* project sub-folder.

When modifying project specific database resources, the following naming convention must be used:

Project Financial Project Identification Number[Discipline Designation].ddb

Where *Discipline Designation* would be one of the following:

| | |
|----|-------------------------------------|
| dr | (drainage) |
| it | (intelligent transportation system) |
| ld | (landscape) |
| lt | (lighting) |
| rd | (roadway) |
| sg | (signalization) |
| sp | (signing and pavement markings) |
| ut | (utilities) |

Example: A modified standard DDB for signalization, *19728125201sg.ddb* would be stored in *\19728125201\symp* subfolder of the aforementioned project.

3.5.2 Seed / Template Files

3.5.2.1 MicroStation Seed Files

MicroStation uses "seed" files to create all design files. Working units and global origin are two of the most important settings in the seed file. Working units are expressed as master units and sub-units. All standard seed files for MicroStation have been defined based on a master unit of "Survey Feet" with a sub unit of "Survey Inches." The global origin is located at the center of the design plane for all seed files.

The resolution in MicroStation files is defined per the master unit and determines the size (working area) of the design plane, which must encompass an area large enough for any State Plane coordinate zone in Florida. The resolution is set to 304800 units of resolution (UORs) per Survey Foot.

Set the geographic coordinate system to the appropriate Florida State Plane Zone in production drawings derived from the seed files.

3.5.2.2 AutoCAD Template Files

AutoCAD also uses "template" files to create design files. Drawing units are also US Survey Feet and the geographic coordinate system for production drawings derived from templates must be set for the project's State Plane Zone. Templates are style based AutoCAD drawings.

3.6 CADD STANDARD RULES

The Department’s level / symbology standards for projects define standard Level / Layer names with specific “ByLevel” Color, Style / Linetype and Weight Symbology for graphic elements for both the Bentley and Autodesk platforms. In nearly every instance, the names for Level / Layer, Color, Style / Linetype, etcetera. are the same between the platforms for consistency. These level / symbology CADD standards are grouped to define specific CADD standard “rules” which are associated with each of the Department’s CADD standard filenames. These rules are defined related to a given discipline, or purpose for the file.

Note The individual Discipline sections found in Chapter 4 of this Manual provide a comprehensive listings of respective CADD standard filenames with the associated CADD standard rule.

These CADD standard rules facilitate the Quality Control (QC) software to check each of the standard project’s design files for compliancy to the specification found in these rules.

➤ **The Department’s CADD Standard Rules & Descriptions:**

Note Appendix A has a comprehensive listing of the Department’s CADD standard rules and the associated CADD standard levels and symbology.

| Standard Rule | Description |
|---------------|-----------------------------------|
| alnrd | Alignment Design |
| autosp | AutoTURN |
| cliprd | Clip Border |
| drdrd | Drainage Detail |
| drexrd | Drainage Existing |
| drmprd | Drainage Map |
| drprrd | Drainage Proposed |
| drxsrd | Drainage Cross Section |
| dsgnld | Landscaping Design |
| dsgnlt | Lighting Design |
| dsgnrd | Roadway Design |
| dsgnsg | Signalization Design |
| dsgnsp | Signing & Pavement Marking Design |
| dtmrd | Digital Terrain (Proposed) |
| gdtmrd | Digital Terrain (Existing) |
| geotech | Geotechnical |
| gswksp | GuidSIGN |
| irrgld | Irrigation |
| itssp | Intelligent Transportation System |

| Standard Rule | Description |
|---------------|-----------------------------------|
| keysht | Key Sheets |
| msarsp | Mast Arm Details |
| open | All Levels and Symbology Accepted |
| pdxsrd | Pond Cross Section |
| planrd | Roadway Plan Sheet |
| plprrd | Roadway Plan / Profile Sheet |
| qtdsrd | Quantity Computation |
| rdxsrd | Roadway Cross Section |
| rdxssp | Signing & Pavement Cross Section |
| rwdtrd | Right of Way Detail for Roadway |
| rweng10 | Right of Way |
| spst10 | Structural |
| survrd | Survey Development Model |
| tcdsrd | Traffic Control |
| topord | Existing Topography for Roadway |
| typdrd | Typical Section Data |
| utadr | Utilities Adjustment |
| utexrd | Utilities Existing |
| utprrd | Utilities Proposed |

3.7 LEVELS / LAYERS AND SYMBOLOGY

The Department’s CADD Software Suite includes standard design libraries / templates to propagate the CADD standards definitions of levels / layers and symbology (color, line styles / linetypes, weights). The libraries for MicroStation are located in the \FDOTXXX\RESOURCES\dgnlibs\ folder and the templates for AutoCAD Civil 3D are located in the FDOTXXXX.C3D\Data\Templates\ folder.

The Department’s CADD Software Suite also includes a Microsoft Excel *MasterStandards.xlsx* file documenting these CADD Standards which is also used by the productivity tools for both MicroStation and AutoCAD Civil 3D platforms, such as *QCInspector* (QC checking of design files during the Department’s plans preparation process). The *MasterStandards.xlsx* file is located in:

\FDOTXXX\APPS\ustnQCInspector\ folder for MicroStation *and*

\FDOTXXXX.C3D\APPS\QCInspector\ folder for Civil 3D.

Note 'XXX' or 'XXXX' represent the versioning of the Department’s CADD Software Suite (i.e. “SS4” for MicroStation or “2015” for Civil 3D).

➤ **The Department’s CADD Standard Design Libraries for MicroStation:**

| Type | Design Library Name (DGNLIB) | Type | Design Library Name (DGNLIB) |
|-------------|-------------------------------|----------|--------------------------------------|
| Civil_Cells | FDOT_Approach.dgnlib | Features | FDOT_SUE_Utility.dgnlib |
| Civil_Cells | FDOT_Circulatory.dgnlib | Features | FDOT_SurveyFeatures_RD.dgnlib |
| Civil_Cells | FDOT_CurbGutterMaker.dgnlib | Features | FDOT_SurveyFeatures_RW.dgnlib |
| Civil_Cells | FDOT_CurbTransitions.dgnlib | General | CivilCommands.dgnlib |
| Civil_Cells | FDOT_Driveways.dgnlib | General | FDOT_DesignGeometricsCriteria.dgnlib |
| Civil_Cells | FDOT_Intersections.dgnlib | General | FDOTtoolboxes.dgnlib |
| Civil_Cells | FDOT_Ponds.dgnlib | General | GeoTech.dgnlib |
| Civil_Cells | FDOT_RampTerminals.dgnlib | Levels | countymappinglevels.dgnlib |
| Civil_Cells | FDOT_SidewalkCurbRamps.dgnlib | Levels | fdot_common_levels.dgnlib |
| Civil_Cells | FDOT_Templates.dgnlib | Levels | fdot_v8_levels.dgnlib |
| Features | FDOT_CivilFeatures_RD.dgnlib | Levels | Photogrammetry_levels.dgnlib |
| Features | FDOT_CivilFeatures_RW.dgnlib | Levels | rwlevels.dgnlib |
| Features | FDOT_CivilFeatures_ST.dgnlib | Levels | strlevels.dgnlib |
| Features | FDOT_CivilFeatures_TC.dgnlib | Levels | survey_levels.dgnlib |
| Features | FDOT_CivilFeatures_TP.dgnlib | Levels | v7_levels.dgnlib |
| Features | FDOT_CivilFeatures_UT.dgnlib | Styles | FDOT_PrintStyles.dgnlib |
| Features | FDOT_ElementTemplates.dgnlib | Styles | FDOT_Styles.dgnlib |
| Features | FDOT_SUE_Drainage.dgnlib | Styles | rwstyles.dgnlib |

➤ **The Department’s CADD Standard Design Templates for AutoCAD Civil 3D:**

| Template | Description | Template | Description |
|----------------|--|------------------------------|--------------------------------------|
| fdotmaster.dwt | Master Template | StructuresTemplateDetail.dwt | Structural Details |
| keysht.dwt | Key Sheets | StructuresTemplatePlan.dwt | Structural Plans |
| planrd.dwt | Sheet Border for Details, Typical Sections & Summary Boxes | survey.dwt | Survey Development Model |
| rdxsrd.dwt | Roadway Cross Section | toporw.dwt | Existing Topography for Right of Way |
| rwtdrd.dwt | Right of Way Detail for Roadway | utadrd.dwt | Utilities Adjustment |
| rweng10.dwt | Right of Way | utprrd.dwt | Utilities Proposed |

3.7.1 Levels and Layers

The Department’s standard design libraries / templates define standard Level / Layer names. Designers must use these standard Levels / Layers in the Department’s plans production of all CADD standard design files. The following describes the Department’s basic level / layer naming convention:

The format of the Level / Layer Name convention is: **object_sv** (maximum of 18 characters)

Where: (**object** = element type)_(**s** = state)(**v** = view)

| <u>(S)ate Designations</u> | <u>(V)iew Designations</u> |
|-----------------------------|----------------------------|
| p (Proposed) | p (Plan) |
| d (Drafting element) | r (Profile) |
| e (Existing) | x (Cross Section) |
| | m (Model) |

Note Level / layer names with no “_sv” suffix on the name are assumed to be _pp (Proposed state & Plan view). Example: With this one can determine the following about the example Level / Layer names below:

| | |
|--------|--|
| gas | - Proposed state & Plan view elements for “gas” related items |
| gas_ep | - Existing state & Plan view elements for “gas” related items |
| gas_px | - Proposed state & Cross Section view elements for “gas” related items |

The Department’s CADD standard Levels / Layers are also classified as either *Critical* or *Non-Critical* for purposes of the QC processes to verify compliancy of design files. *Non-Critical* Levels / Layers are only checked in the QC process for compliancy with valid standard Level / Layer names only. *Critical* Levels that are relied upon and used by downstream applications (or other disciplines) are checked in the QC process for compliancy with both valid standard level names along with “ByLevel” / “ByLayer” settings for symbology (Color, Line Style, and Weight).

The CADD standard rules, documented in the *MasterStandards.xlsx* resource file and in *Appendix A*, contain a *Critical Level* column that defines each level with the following designations:

- **[blank]** Denotes Non-Critical Levels where ONLY valid Standard Level Name is checked in the QC process.
- **X** Denotes Critical Levels where valid Standard Level Name and ByLevel setting for Symbology (color, line style, and weight) are checked in the QC process.
- **3 digit string** Denotes Critical Level with partial checking in the QC process on whether to check (1=true) or not to check (0=false) specific symbology components: (Color, Line Style, Weight)

(1st digit = Color, 2nd digit = Line Style, 3rd digit = Weight)

Example: 100 – Denotes to check only color (common for structures files)
 010 – Denotes to check only line style
 101 – Denotes check both color & weight, but not line style

The Department’s standard Design Files are also classified as either *Critical* or *Non-Critical* for the purpose of verifying the compliance threshold. *Non-critical* Design Files must meet a minimum 80% compliance threshold for CADD Standard Levels / Layers. *Critical* Design Files must meet a minimum 95% compliance threshold for CADD Standard Levels / Layers. If critical files do not meet threshold requirements, a written variance from the Department’s Project Manager with supporting documentation must be included within the Project Journal.

The compliance purpose set forth above is intended to get reasonable symbolically correct drawing files so contractors or other downstream users of CADD data can make sense of what they receive. Compliance enforcement was never intended as an absolute arbiter of CADD file acceptance, but as best practice guidance not to trump common sense. Reviewers should not blindly reject a minimally lower compliance number for otherwise good drawing files. There may be acceptable exceptions to compliance levels that require review before rejection.

Note The threshold percentage is calculated as the number of graphical elements in the design file on the prescribed level symbology divided by the total number of elements in that design file.

The Department provides Standard Rules which define the prescribed level symbology for each Standard design file. Exceptions are a deviation from those Standard Rules for any given project folder. For example, if a municipality required a special symbology for an element needed that was not covered in a Standard Rule, that element could be drawn with the special symbology and all occurrences of that symbology would be counted as only one exception. The Department provides a tool, *QCInspector*, for both Bentley and Autodesk platforms to examine and report CADD file compliance. This tool provides for up to 10 exceptions per design file before the compliance threshold begins to diminish.

3.7.2 Color

The Department uses a standard color table (*FDOTColor.tbl*) in MicroStation to visually recognize elements in files and for consistency in color printing. The standard color table is a modified version of the default MicroStation color table (*color.tbl*) which defines 256 colors for CADD elements. The Department’s standard color table customizes colors by remapping the RGB values for various MicroStation color index numbers, as defined below.

In MicroStation, the standard color table (*FDOTColor.tbl*) is preset in the FDOT Workspace variable MS_DEFCTBL and is attached in the standard seed files. AutoCAD uses RGB values shown in the color tables.

Note The discipline sections of Chapter 4 of this Manual define any discipline specific customize color tables. Structures discipline uses the default MicroStation Color Table (*color.tbl*).

| MicroStation Color Index | color.tbl (AutoCAD Index) RGB Value | FDOTColor.tbl (AutoCAD Index) Color RGB Value | MicroStation Color Index | color.tbl (AutoCAD Index) RGB Value | FDOTColor.tbl (AutoCAD Index) RGB Value |
|--------------------------|-------------------------------------|---|--------------------------|-------------------------------------|---|
| 0 | (7) 255,255,255 | (7) 255,255,255 | 27 | 240,0,0 | 240,0,0 |
| 1 | (5) 0,0,255 | (5) 0,0,255 | 28 | 240,240,0 | 240,240,0 |
| 2 | (3) 0,255,0 | (3) 0,255,0 | 29 | 240,0,240 | 240,0,240 |
| 3 | (1) 255,0,0 | (1) 255,0,0 | 30 | 240,122,0 | 240,122,0 |
| 4 | (2) 255,255,0 | (2) 255,255,0 | 31 | 0,255,255 | 0,255,255 |
| 5 | (6) 255, 0,255 | (6) 255, 0,255 | 32 | 225,225,225 | 225,225,225 |
| 6 | 255,127,0 | 255,165,0 | 33 | 0,0,225 | 0,0,225 |
| 7 | (4) 0,255,255 | (4) 0,255,255 | 34 | 225,225,0 | 225,225,0 |
| 8 | 64,64,64 | 148,0,211 | 35 | 225,0,0 | 225,0,0 |
| 9 | 192,192,192 | 140,88,44 | 36 | 225,225,0 | 225,225,0 |
| 10 | 254,0,96 | 200,176,125 | 37 | 225,0,225 | 225,0,225 |
| 11 | 160,224,0 | 192,192,192 | 38 | 225,117,0 | 225,117,0 |
| 12 | 0,254,160 | 255,192,203 | 39 | 0,225,225 | 0,225,225 |
| 13 | 128,0,160 | 0,100,0 | 46 | 225,117,0 | 225,117,0 |
| 14 | 176,176,176 | 176,176,176 | 55 | 0,210,210 | 0,210,210 |
| 15 | 0,240,240 | 0,240,240 | 68 | 195,195,0 | 195,195,0 |
| 16 | 240,240,240 | 240,240,240 | 71 | 0,195,195 | 0,195,195 |
| 17 | 0,0,240 | 0,0,240 | 84 | 180,180,0 | 180,180,0 |
| 18 | 0,240,0 | 0,240,0 | 86 | 180,102,0 | 180,102,0 |
| 19 | 240,0,0 | 240,0,0 | 99 | 165,0,0 | 165,0,0 |
| 20 | 240,240,225 | 225,225,225 | 100 | 165,165,0 | 165,165,0 |
| 21 | 240,0,240 | 240,0,240 | 142 | 135,87,0 | 135,87,0 |
| 22 | 240,122,0 | 240,122,0 | 150 | 120,82,0 | 120,82,0 |
| 23 | 0,240,240 | 0,240,240 | 152 | 120,120,120 | 120,120,120 |
| 24 | 240,240,240 | 240,240,240 | 154 | 0,120,0 | 0,120,0 |
| 25 | 0,0,240 | 0,0,240 | 157 | 120,0,120 | 120,0,120 |
| 26 | 0,240,0 | 0,240,0 | 255 | (250) 0,0,0 | (250) 0,0,0 |

Note Color 255 is used as the background color (usually black).

3.7.3 Line Weight

Line weight for MicroStation is defined by index value in the range of 0 to 31 that selects the stroke width (or thickness) of the line used to draw and print a graphic element. Each element has its own line weight. The standard line thickness (width) of a printed element is usually in inches on the paper defined by a print driver file.

Printed output from the design file must be of a quality legible on 2nd generation copies. Line weights / thicknesses in the following table are default settings (also set in Department delivered print drivers). These may need to be user-adjusted depending on hardware to produce the required quality of printed documents.

| MicroStation / AutoCAD Line Weight Mapping | | | | Available AutoCAD Line Weights | |
|--|-----------------|------------------|--------------|--------------------------------|-------|
| MS Weight | MS Plot(inches) | AutoCAD (inches) | AutoCAD (mm) | inches | mm |
| 0 | 0.003 | 0.004 | 0.09 | 0 | 0.000 |
| 1 | 0.006 | 0.006 | 0.15 | 0.002 | 0.050 |
| 2 | 0.009 | 0.008 | 0.20 | 0.004 | 0.090 |
| 3 | 0.012 | 0.012 | 0.30 | 0.005 | 0.130 |
| 4 | 0.015 | 0.014 | 0.35 | 0.006 | 0.150 |
| 5 | 0.018 | 0.016 | 0.40 | 0.007 | 0.180 |
| 6 | 0.021 | 0.021 | 0.53 | 0.008 | 0.200 |
| 7 | 0.024 | 0.024 | 0.60 | 0.01 | 0.250 |
| 8 | 0.027 | 0.028 | 0.70 | 0.012 | 0.300 |
| 9 | 0.030 | 0.031 | 0.80 | 0.014 | 0.350 |
| 10 | 0.033 | 0.035 | 0.90 | 0.016 | 0.400 |
| 11 | 0.036 | 0.035 | 0.90 | 0.02 | 0.500 |
| 12 | 0.039 | 0.039 | 1.00 | 0.021 | 0.530 |
| 13 | 0.042 | 0.042 | 1.06 | 0.024 | 0.600 |
| 14 | 0.045 | 0.047 | 1.20 | 0.028 | 0.700 |
| 15 | 0.048 | 0.047 | 1.20 | 0.031 | 0.800 |
| 16 | 0.051 | 0.055 | 1.40 | 0.035 | 0.900 |
| 17 | 0.054 | 0.055 | 1.40 | 0.039 | 1.000 |
| 18 | 0.057 | 0.055 | 1.40 | 0.042 | 1.060 |
| 19 | 0.106 | 0.083 | 2.11 | 0.047 | 1.200 |
| 20 | 0.105 | 0.083 | 2.11 | 0.055 | 1.400 |
| 21 | 0.110 | 0.083 | 2.11 | 0.062 | 1.580 |
| 22 | 0.115 | 0.083 | 2.11 | 0.079 | 2.000 |
| 23 | 0.120 | 0.083 | 2.11 | 0.083 | 2.110 |
| 24 | 0.125 | 0.083 | 2.11 | | |
| 25 | 0.130 | 0.083 | 2.11 | | |
| 26 | 0.135 | 0.083 | 2.11 | | |
| 27 | 0.140 | 0.083 | 2.11 | | |
| 28 | 0.145 | 0.083 | 2.11 | | |
| 29 | 0.150 | 0.083 | 2.11 | | |
| 30 | 0.155 | 0.083 | 2.11 | | |

3.7.4 Line Styles / Linetypes

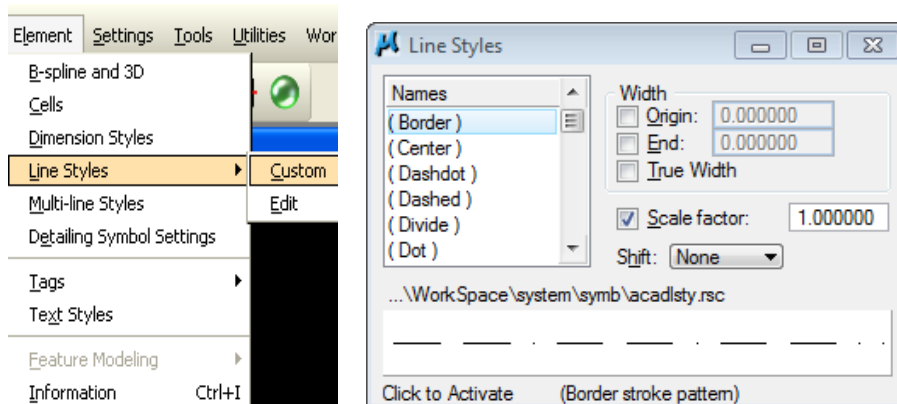
MicroStation Line Style (or AutoCAD Linetype) is part of the symbology of graphic elements, which defines a line's appearance. Each element has its own Line Style / Linetype which can be set to a standard line Style / Linetype or to a Custom Line Style / Linetype.

Standard MicroStation Line Styles are based on output device coordinates, therefore are not truly "what you see is what you get". Custom Line Styles should be used instead of MicroStation line patterning.

| | |
|---------------|---|
| ————— 0 | style(0) = continuous |
| ----- 1 | style(1) = (0.02, 0.04), for ACAD - DGN1 |
| - - - - - 2 | style(2) = (0.08, 0.04), for ACAD - DGN2 |
| - - - - - 3 | style(3) = (0.15, 0.05), for ACAD - DGN3 |
| - . - . - . 4 | style(4) = (0.200, 0.053, 0.03, 0.053), for ACAD - DGN4 |
| - - - - - 5 | style(5) = (0.056, 0.056), for ACAD - DGN5 |
| - . - . - . 6 | style(6) = (0.32, 0.056, 0.048, 0.056, 0.048, 0.056), for ACAD - DGN6 |
| - - - - - 7 | style(7) = (0.59, 0.053, 0.03, 0.053), for ACAD - DGN7 |

➤ **To set custom line style scale, select the MicroStation menu option:**

Element > Line Styles > Custom:



In most instances the MicroStation Custom Line Style name will match the AutoCAD Linetypes, which are defined for AutoCAD in the file *FDOT.lin* located in the *\FDOTXXX.C3D\Support\linetype* folder.

| MicroStation Line Style | AutoCAD Linetype |
|-------------------------|------------------|
| 0 | Continuous |
| 1 | DGN1 |
| 2 | DGN2 |
| 3 | DGN3 |
| 4 | DGN4 |
| 5 | DGN5 |
| 6 | DGN6 |
| 7 | DGN7 |

The Department includes Standard Custom Line Style / Linetype resource files in both the CADD Software Suite for Bentley and the FDOT State Kit for Autodesk.

| FDOT Custom Line Style Resource Files for MicroStation |
|--|
| FDOT_3D.rsc |
| FDOT_MOT.rsc |
| FDOT_Rdwy.rsc |
| FDOT_Road.rsc |
| FDOT_ROW.rsc |
| FDOT_Striping.rsc |
| FDOT_Uilities.rsc |

| FDOT Custom Linetype Resource Files for AutoCAD |
|---|
| FDOT.LIN |

The Department’s Standard Custom Line Style / Linetypes can be complex and contain arrangements of line segments and / or symbols. Users must not modify the Department’s Standard Custom Line Style / Linetypes resource files.

If Non-Standard Custom Line Style / Linetypes are required for a design, other resource files are allowed to be user-defined, but they must be delivered in the \symb\ sub-folder of the FDOT Project folder structure, or the Non-Standard Custom Line Style / Linetype definitions must be embedded in the design file.

Note The user must not create conflicting custom line styles / linetypes with the same name as a Department Standard Line Style / Linetype. User created resource files must be unique in both name and appearance.

3.7.4.1 Custom Line Styles












Some MicroStation Line Styles (*) containing leaders and some complex markings and striping needed to be place to scale are not created as AutoCAD Linetypes for the FDOT State Kit for Civil 3D. Tools such as *Entity Manager*, *Place Block Group* and the *Pavement Marking* tool can create these types of additional striping for AutoCAD.

Note Unless otherwise stated, all styles listed in the following table are used for new or proposed elements.

| Name | Description | Sample Image |
|-----------------------------|--------------------------------|--------------|
| MOT-Attenuator | Attenuator | |
| MOT-ChannelDevPed | Channelizing Device Pedestrian | |
| PM-Delineator-300Gap* | Delineator Point 300' Gap | |
| PM-Delineator-40Gap* | Delineator Point 40' Gap | |
| PM-RumbleSkip | Rumble Strip Skip | |
| PM-RumbleSolid | Rumble Strip Solid | |
| PM-Stripe-10' Crosswalk | Crosswalk 10ft Component | |
| PM-Stripe-10'_20'Skip | 10'/30' Contrast Skip Striping | |
| PM-strupe-2'_2'Skip | 2ft / 2ft / 2ft Contrast Skip | |
| PM-Stripe-6' Crosswalk | Crosswalk 6ft Component | |
| PM-Stripe-RumbleStripeLeft | Rumble Striping Left | |
| PM-Stripe-RumbleStripeRight | Rumble Striping Right | |
| PM-Stripe-VibratoryLeft | Vibratory Line Left | |

| Name | Description | Sample Image |
|--------------------------|------------------------------|--------------|
| PM-Stripe-VibratoryRight | Vibratory Line Right | |
| PM-Stripe-YieldLarge | Yield Large | |
| PM-Stripe-YieldSmall | Yield Triangle Component | |
| RD-CableBarrier | Cable Barrier | |
| RD-Fence | Fence Line | |
| RD-Guardrail-Double | Guardrail Double | |
| RD-Guardrail-Left | Guardrail Left | |
| RD-Guardrail-Right | Guardrail Right | |
| RD-LaneLine-Existing | Lane Line Existing | |
| RD-PavedShldr 10' | Paved Shoulder Pattern 10' | |
| RD-PavedShldr 12' | Paved Shoulder Pattern 12' | |
| RD-PavedShldr 15' | Paved Shoulder Pattern 15' | |
| RD-PavedShldr 2' | Paved Shoulder Pattern 2' | |
| RD-PavedShldr 4' | Paved Shoulder Pattern 4' | |
| RD-PavedShldr 5' | Paved Shoulder Pattern 5' | |
| RD-PavedShldr 6' | Paved Shoulder Pattern 6' | |
| RD-PavedShldr 7' | Paved Shoulder Pattern 7' | |
| RD-PavedShldr 8' | Paved Shoulder Pattern 8' | |
| RD-Railroad-Existing | Railroad Existing | |
| RD-Railroad-Proposed | Railroad Proposed | |
| RD-TreeLine | Tree Line | |
| RD-Wetland-Existing | Wetland Existing | |
| RD-Wetland-Proposed | Wetland Proposed | |
| RW-ArrowTie* | Dimension Existing | |
| RW-CityLimit-Type1 | City Limit | |
| RW-CityLimit-Type2 | City Limit | |
| RW-CountyLine | County Line | |
| RW-Dimension-Type1* | Dimension Type 1 | |
| RW-Dimension-Type2* | Dimension Type 2 | |
| RW-Easement | Easement Stroke | |
| RW-EasementCL-Existing | Existing Easement Centerline | |
| RW-Existing | Existing Right of Way | |
| RW-GrantLine | Government: Grant Line | |

| Name | Description | Sample Image |
|----------------------------|--|--------------|
| RW-Leader* | Arrow | |
| RW-LeaderLeft* | Begin End Leader Left | |
| RW-LeaderRight* | Begin End Leader Right | |
| RW-License | License (Agreement) | |
| RW-LimitedAccess-Existing | Existing Limited Access | |
| RW-LimitedAccess-Proposed | Proposed Limited Access | |
| RW-LimitsOfConst | Limits of Construction | |
| RW-Nat/StPark/Forest-Type1 | National or State Forest Park | |
| RW-Nat/StPark/Forest-Type2 | National or State Forest Park Hash | |
| RW-NonVehicularAccess | Non-Vehicular Access Line | |
| RW-PerpetualEasement | Perpetual Easement | |
| RW-PropertyLine | Property Line | |
| RW-Proposed | Proposed Right of Way | |
| RW-QuarterSection | Quarter Section | |
| RW-RailroadBL | RailRoad | |
| RW-SectionLine | Section Line | |
| RW-StateLine | Government: State Line | |
| RW-Subdiv-Double* | Subdivision Boundary Arrows Double | |
| RW-Subdiv-DoubleLeft* | Subdivision Boundary Arrows Two Left | |
| RW-Subdiv-DoubleLeftOnly* | Subdivision Boundary Arrows Two Left Only | |
| RW-Subdiv-DoubleRight* | Subdivision Boundary Arrows Two Right | |
| RW-Subdiv-DoubleRightOnly* | Subdivision Boundary Arrows Two Right Only | |
| RW-Subdiv-Single* | Subdivision Boundary Arrows | |
| RW-Subdiv-SingleLeft* | Subdivision Boundary Arrows Single Left | |
| RW-Subdiv-SingleRight* | Subdivision Boundary Arrows Single Right | |
| RW-TemporaryEasement | Easements Temporary | |
| RW-TIITFMurphyResLine | Safe Upland TIITF - Murphy Reservation | |
| RW-TownshipRange | Township Range | |
| RW-WaterMapBoundary | Major Water Mapping Boundary | |
| SG-Cable | Signal Cable | |
| SG-Conduit | Signal Conduit | |
| SG-Conduit-Existing | ConduitLT Existing | |
| SG-ConduitAG-Proposed | Conduit – Above Ground | |

| Name | Description | Sample Image |
|----------------------------|--|--|
| SG-ConduitBM-Proposed | Conduit – Bridge Mount |  |
| SG-ConduitDB-Proposed | Conduit – Directional Bore |  |
| SG-ConduitJB-Proposed | Conduit – Jack & Bore |  |
| SG-ConduitOT-Proposed | Conduit – Open Trench |  |
| SG-InterconCable-Existing | Interconnect Cable Existing |  |
| SG-InterconCable-Proposed | Interconnect Cable Proposed |  |
| SWP-HayBales | Hay Bales |  |
| SWP-RockBags | Rock Bag Symbols |  |
| SWP-SiltFence | Silt Fence |  |
| SWP-TurbidityBarrier-Type1 | Turbidity Barrier Type 1 |  |
| SWP-TurbidityBarrier-Type2 | Turbidity Barrier Type 2 |  |
| UT-BuriedCable-Existing(B) | Buried Cable TV Existing Type B | <i>BTV(B) - - - - - BTV(B) - - - - -</i> |
| UT-BuriedCable-Existing(C) | Buried Cable TV Existing Type C | <i>BTV(C) - - - - - BTV(C) - - - - -</i> |
| UT-BuriedCable-Existing(D) | Buried Cable TV Existing Type D | <i>BTV(D) - - - - - BTV(D) - - - - -</i> |
| UT-BuriedCable-Proposed | Buried Cable TV Proposed | <i>BTV BTV BTV BTV BTV BTV BTV</i> |
| UT-BuriedElec-Existing(B) | Buried Electric Existing Type B | <i>BE(B) - - - - - BE(B) - - - - -</i> |
| UT-BuriedElec-Existing(C) | Buried Electric Existing Type C | <i>BE(C) - - - - - BE(C) - - - - -</i> |
| UT-BuriedElec-Existing(D) | Buried Electric Existing Type D | <i>BE(D) - - - - - BE(D) - - - - -</i> |
| UT-BuriedElec-Proposed | Buried Electric Proposed | <i>BE BE BE BE BE BE BE BE BE</i> |
| UT-BuriedFOC(B)-Existing | Buried Fiber Optic Cable Existing Type B | <i>BFOC(B) - - - - - BFOC(B) - -</i> |
| UT-BuriedFOC(C)-Existing | Buried Fiber Optic Cable Existing Type C | <i>BFOC(C) - - - - - BFOC(C) - -</i> |
| UT-BuriedFOC(D)-Existing | Buried Fiber Optic Cable Existing Type D | <i>BFOC(D) - - - - - BFOC(D) - -</i> |
| UT-BuriedFOC-Proposed | Buried Fiber Optic Cable Proposed | <i>BFOC BFOC BFOC BFOC BFOC BFOC</i> |
| UT-BuriedFOE(B)-Existing | Buried Fiber Optic Electric Existing Type B | <i>BFOE(B) - - - - - BFOE(B) - -</i> |
| UT-BuriedFOE(C)-Existing | Buried Fiber Optic Electric Existing Type C | <i>BFOE(C) - - - - - BFOE(C) - -</i> |
| UT-BuriedFOE(D)-Existing | Buried Fiber Optic Electric Existing Type D | <i>BFOE(D) - - - - - BFOE(D) - -</i> |
| UT-BuriedFOE-Proposed | Buried Fiber Optic Electric Proposed | <i>BFOE BFOE BFOE BFOE BFOE BFOE</i> |
| UT-BuriedFOT(B)-Existing | Buried Fiber Optic Telephone Existing Type B | <i>BFOT(B) - - - - - BFOT(B) - -</i> |
| UT-BuriedFOT(C)-Existing | Buried Fiber Optic Telephone Existing Type C | <i>BFOT(C) - - - - - BFOT(C) - -</i> |
| UT-BuriedFOT(D)-Existing | Buried Fiber Optic Telephone Existing Type D | <i>BFOT(D) - - - - - BFOT(D) - -</i> |
| UT-BuriedFOT-Proposed | Buried Fiber Optic Telephone-Proposed | <i>BFOT BFOT BFOT BFOT BFOT BFOT</i> |
| UT-BuriedTel-Existing(B) | Buried Telephone Existing Type B | <i>BT(B) - - - - - BT(B) - -</i> |
| UT-BuriedTel-Existing(C) | Buried Telephone Existing Type C | <i>BT(C) - - - - - BT(C) - -</i> |

| Name | Description | Sample Image |
|--------------------------------|---|---|
| UT-BuriedTel-Existing(D) | Buried Telephone Existing Type D | BT(D) - - - - - BT(D) - - |
| UT-BuriedTel-Proposed | Buried Telephone Proposed | BT BT BT BT BT BT BT BT BT |
| UT-Casing-Existing(B) | Encasement Existing Type B | CAS(B) - - - - - CAS(B) - - - - |
| UT-Casing-Existing(C) | Encasement Existing Type C | CAS(C) - - - - - CAS(C) - - - - |
| UT-Casing-Existing(D) | Encasement Existing Type D | CAS(D) - - - - - CAS(D) - - - - |
| UT-Casing-Proposed | Encasement Proposed | CAS CAS CAS CAS CAS CAS CAS |
| UT-Duct-Proposed | Duct Proposed | DT DT DT DT DT DT DT DT DT DT |
| UT-Gas-Existing(B) | Gas Existing Type B | G(B) - - - - - G(B) - - - - - |
| UT-Gas-Existing(C) | Gas Existing Type C | G(C) - - - - - G(C) - - - - - |
| UT-Gas-Existing(D) | Gas Existing Type D | G(D) - - - - - G(D) - - - - - |
| UT-Gas-Proposed | Gas Proposed | G G G G G G G G G G G G G G G G |
| UT-NonPotableWater-Existing(B) | Non-Potable Water Existing Type B | NPW(B) - - - - - NPW(B) - - - - |
| UT-NonPotableWater-Existing(C) | Non-Potable Water Existing Type C | NPW(C) - - - - - NPW(C) - - - - |
| UT-NonPotableWater-Existing(D) | Non-Potable Water Existing Type D | NPW(D) - - - - - NPW(D) - - - - |
| UT-NonPotableWater-Proposed | Non-Potable Water Proposed | NPW NPW NPW NPW NPW NPW NPW |
| UT-OverheadCable-Existing | Overhead Cable TV Existing | OTV - - - - - OTV - - - - - |
| UT-OverheadCable-Proposed | Overhead Cable TV Proposed | OTV OTV OTV OTV OTV OTV OTV |
| UT-OverheadElec-Existing | Overhead Electric Existing | OE - - - - - OE - - - - - |
| UT-OverheadElec-Proposed | Overhead Electric Proposed | OE OE OE OE OE OE OE OE OE OE |
| UT-OverheadFOC-Existing | Overhead Fiber Optic Cable Existing | OFOC - - - - - OFOC - - |
| UT-OverheadFOC-Proposed | Overhead Fiber Optic Cable Proposed | OFOC OFOC OFOC OFOC OFOC |
| UT-OverheadFOE-Existing | Overhead Fiber Optic Electric Existing | OFOE - - - - - OFOE - - - |
| UT-OverheadFOE-Proposed | Overhead Fiber Optic Electric Proposed | OFOE OFOE OFOE OFOE OFOE |
| UT-OverheadFOT-Existing | Overhead Fiber Optic Telephone Existing | OFOT - - - - - OFOT - - |
| UT-OverheadFOT-Proposed | Overhead Fiber Optic Telephone Proposed | OFOT OFOT OFOT OFOT OFOT |
| UT-OverheadTel-Existing | Overhead Telephone Existing | OT - - - - - OT - - - - - |
| UT-OverheadTel-Proposed | Overhead Telephone Proposed | OT OT OT OT OT OT OT OT OT OT |
| UT-Petroleum-Existing(B) | Petroleum Existing Type B | PET(B) - - - - - PET(B) - - - - |
| UT-Petroleum-Existing(C) | Petroleum Existing Type C | PET(C) - - - - - PET(C) - - - - |
| UT-Petroleum-Existing(D) | Petroleum Existing Type D | PET(D) - - - - - PET(D) - - - - |
| UT-Petroleum-Proposed | Petroleum Proposed | PET PET PET PET PET PET PET |
| UT-Sanitary-Existing(B) | Sanitary Existing Type B | S(B) - - - - - S(B) - - - - - |
| UT-Sanitary-Existing(C) | Sanitary Existing Type C | S(C) - - - - - S(C) - - - - - |

| Name | Description | Sample Image |
|-------------------------|--------------------------|--|
| UT-Sanitary-Existing(D) | Sanitary Existing Type D | <i>S(D)</i> - - - - - <i>S(D)</i> - - - - - |
| UT-Sanitary-Proposed | Sanitary Proposed | <i>S S</i> |
| UT-Steam-Existing(B) | Steam Existing Type B | <i>STM(B)</i> - - - - - <i>STM(B)</i> - - - - - |
| UT-Steam-Existing(C) | Steam Existing Type C | <i>STM(C)</i> - - - - - <i>STM(C)</i> - - - - - |
| UT-Steam-Existing(D) | Steam Existing Type D | <i>STM(D)</i> - - - - - <i>STM(D)</i> - - - - - |
| UT-Steam-Proposed | Steam Proposed | <i>STM STM STM STM STM STM STM</i> |
| UT-Water-Existing(B) | Water Existing Type B | <i>W(B)</i> - - - - - <i>W(B)</i> - - - - - |
| UT-Water-Existing(C) | Water Existing Type C | <i>W(C)</i> - - - - - <i>W(C)</i> - - - - - |
| UT-Water-Existing(D) | Water Existing Type D | <i>W(D)</i> - - - - - <i>W(D)</i> - - - - - |
| UT-Water-Proposed | Water Proposed | <i>W W W W W W W W W W W W W W W W W W</i> |

3.8 CELL LIBRARIES / BLOCK DRAWINGS

Cells / Blocks are frequently used as repeated components of drawings made up of complex symbols, notations, details, or parts of drawings that can be inserted into one or many other drawings. Cells are defined and stored in MicroStation design files called a Cell Libraries with a .cel file extension and in AutoCAD are called Blocks Drawings.

Cells / Blocks have been grouped by disciplinary usage into the Department’s Standard Cell Libraries delivered with the CADD Software Suite for MicroStation located under the FDOTXXX\RESOURCES\Cell\ subfolder and Block Drawings delivered in the FDOT State Kit for AutoCAD located under the FDOTXXX.C3D\Data\Blocks\ subfolder.

The Department's Standard Cell Libraries / Block Drawings are listed in the following table:

Note AutoCAD Block Drawings can be accessed via AutoCAD's Design Center to access individual blocks.

| MicroStation CELL LIBRARIES | AutoCAD BLOCK DRAWINGS | DESCRIPTION |
|--------------------------------|----------------------------|---|
| alphabet.cel | (Not Applicable) | Alphabet & Numbers |
| arrows.cel | arrows.dwg | Distance & GuidSIGN Arrows |
| (Not Applicable) | BoreHOLE.dwg | Bore Holes |
| Drain_Bottom3D.cel | (Not Applicable) | Drainage Bottom (3 Dimensional used for SUDA) |
| Drain_Curbs3D.cel | (Not Applicable) | Drainage Curbs (3 Dimensional used for SUDA) |
| Drain_Grate3D.cel | (Not Applicable) | Drainage Grate (3 Dimensional used for SUDA) |
| Drain_Junction3D.cel | (Not Applicable) | Drainage Junction (3 Dimensional used for SUDA) |
| Drain_Nodes3D_EX.cel | (Not Applicable) | Drainage Nodes (3 Dimensional used for SUDA) |
| Drain_Outlet3D.cel | (Not Applicable) | Drainage Outlet (3 Dimensional used for SUDA) |
| DrainXS.cel | DrainXS.dwg | Drainage Structure Cross Sections |
| (Not Applicable) | Driveway.dwg | Driveways |
| drplan.cel | drplan.dwg | Drainage Proposed |
| drplan_ex.cel | drplan_ex.dwg | Drainage Existing |
| ftpsigns.cel | ftpsigns.dwg | Florida Traffic Plans Signs |
| geotech.cel | geotech.dwg | Geotechnical |
| its.cel | its.dwg | Intelligent Transportation Systems Signs |
| Landscape.cel | landscape.dwg | Landscape |
| Lighting.cel | lighting.dwg | Lighting |
| (Not Applicable) | Master Table Drawing.dwg | Master of All Summary Tables |
| Mutcd.cel | mutcd.dwg | Manual on Uniform Traffic Control Devices |
| PavementMarkings.cel | pavementmarkings.dwg | Pavement Markings |
| Photogrammetry.cel | Photo.dwg | Photogrammetry |
| Roadway.cel | Roadway.dwg | Roadway |
| row.cel | ROW.dwg | Right of Way |
| rweng.cel | rweng.dwg | Survey Symbols for Right of Way |
| Seals.cel | Seals.dwg | Professional Seals for Digital Signatories |
| (Not Applicable) | Sheet Border.dwg | Sheet Borders |
| (Not Applicable) | SheetPOR-Consultant.dwg | Professional of Record for Consultants |
| Signalization.cel | signalization.dwg | Signalization |
| SignalPoles.cel | signalpoles.dwg | Signal Poles |
| syeng.cel | syeng.dwg | Survey Symbols for Roadway |
| TollPlaza.cel | TollPlaza.dwg | Toll Plaza Signs |
| tplabels.cel | tplabels.dwg | Traffic Plans Labels |
| TrafficControlPlans.cel | TrafficControlPlans.dwg | Traffic Control Plans |
| TrafficControlTypicals.cel | TrafficControlTypicals.dwg | Traffic Control Typical |
| TTF_v8semi-standards.cel | Semi-Standards.dwg | Structures Semi-standards |
| TTF_v8structures.cel | Structures.dwg | Structures |
| TypicalSection.cel | TypicalSections.dwg | Typical Sections |
| utilities.cel | utilities.dwg | Utilities |
| Utilities3D.cel | (Not Applicable) | Utilities (3 Dimensional) |
| v8structurespatterns.cel | (Not Applicable) | Patterns for Structures |
| XMSuperSection.cel | (Not Applicable) | Structures for Super sections |
| xsections.cel | (Not Applicable) | Cross Sections |

3.9 TEXT

The Department delivers a set of True Type Font (TTF) files to ensure text uniformity between applications supporting TTF fonts and legibility of CADD drawings. The Department’s CADD Software Suite delivers a set of proportional and uniformed spaced True Type Font files using vertical and slanted characters, the detail of which is reflected in the table below. These font files have additional characters added into the gaps of the Unicode definition, so engineering symbols like: \mathcal{Q} , \mathcal{L} , \mathcal{B} , Δ and fraction combinations are supported in the FDOT fonts directly. The MicroStation based *zdotfont.rsc* and *structuresfont.rsc* resource files are also delivered with the CADD Software to maintain legacy compatibility for older CADD files predating the use of True Type fonts.

Although not recommended, MicroStation can utilize fonts contained within MicroStation RSC, AutoCAD SHX, and True Type Font files. MicroStation will read multiple font resource files according to the paths set by the MS_FONTSPATH configuration variable in the selected workspace, and True Types Fonts registered with the Windows operating system. Within a MicroStation design file, font resources are compiled into a list of fonts from all the resource files that are found. The *MstnFontConfig.xml* file located by the MS_FONTCONFIGFILE variable determines if duplicate font names are displayed in font selection and lists how to resolve duplicate font names. Likewise AutoCAD can utilize multiple font sources. It is strongly recommended to use the FDOT True Type fonts exclusively.

3.9.1 True Type Fonts (TTF)

The Department’s TTF files contain special characters used by designers that are not normally found in standard publishing fonts. (See the Unicode mapping standard: <http://www.unicode.org/charts/>)

Note If the FDOT TTF files are registered with the Windows operating system, the fonts may be used in any standard Windows program like Word, Excel, or any other applications supporting TTF.

| Font | Description |
|----------------------|---|
| FDOT | Standard slanted proportional spaced font used for most annotations |
| FDOT Bold | Bold version of the FDOT font |
| FDOT Heavy | Heavier Bold version of the FDOT font |
| FDOT Imprint | Chiseled font (Used mainly within the FDOT sheet border) |
| FDOT Imprint Bold | Bold version of FDOTImprint font (Used mainly within the FDOT sheet border) |
| FDOT Mono | Standard mono-spaced font (Used mainly in tables to keep characters aligned vertically) |
| FDOT Mono Bold | Bold version of FDOTMono font |
| FDOT Mono Heavy | Heavier Bold version of FDOTMono font |
| FDOT Vert | Non-slanted proportional spaced version of FDOT font (Used mainly by Right Of Way discipline) |
| FDOT Vert Bold | Bold version of FDOTVert font (Used mainly by ROW) |
| FDOT Vert Heavy | Heavier Bold version of FDOTVert font (Used mainly by ROW) |
| FDOT Vert Mono | Mono-spaced version for FDOTVert font (Used mainly in tables used mainly by ROW) |
| FDOT Vert Mono Bold | Bold version of FDOTVertMono font (Used mainly by ROW) |
| FDOT Vert Mono Heavy | Heavier Bold version of FDOTVertMono font (Used mainly by ROW) |

3.9.2 Text Size and Spacing

The Department employs standard text sizes to ensure uniformity and legibility on CADD drawings and for printed output. The appropriate text size is dependent on the plot scale selected. Since the most important issue with text is legibility, the font, weight and text size may vary when necessary. Text line spacing should be, on average, three-fourths of the text height.

The Department’s CADD Software Suite provides several Text Levels and Text Styles for designers to choose as a starting point to create text to fit their needs. Text Levels can be identified by the Level / layer naming convention beginning with the string “Text” (i.e. TextBLStation, TextLable, TextNotes).

The following table should be used as a *guideline* for standard text size definitions for plans at given scales.

➤ **Text for B-Size Plans (11” x 17” paper)**

| Scale | 1”=1’ | 1”=20’ | 1”=40’ | 1”=50’ | 1”=100’ | 1”=200’ | 1”=400’ | 1”=500’ |
|---------|-------|--------|--------|--------|---------|---------|---------|---------|
| Minimum | 0.06 | 1.2 | 2.4 | 3 | 6 | 12 | 24 | 30 |
| Desired | 0.07 | 1.4 | 2.8 | 3.5 | 7 | 14 | 28 | 35 |
| Maximum | 0.125 | 2 | 4 | 5 | 10 | 20 | 40 | 50 |

➤ **Text for D-Size Maps (24” x 36” paper)**

| Scale | 1”=1’ | 1”=20’ | 1”=40’ | 1”=50’ | 1”=100’ | 1”=200’ | 1”=400’ | 1”=500’ |
|---------|-------|--------|--------|--------|---------|---------|---------|---------|
| Minimum | 0.08 | 1.6 | 3.2 | 4 | 8 | 16 | 32 | 40 |
| Desired | 0.10 | 2 | 4 | 5 | 10 | 20 | 40 | 50 |

3.10 MICROSTATION PRINT RESOURCE FILES

The Department’s CADD Software Suite supplies several MicroStation print configuration example files to generate prints to scale using the sheet cells (also provided with the CADD Software) on those specific printers. All print configuration files supplied have raster printing enabled. These print configuration files are examples due to various site-specific configurations and the types of printers that might be encountered.

The table below lists the print configuration file names and the type of printer on which it was developed and tested. Each printer has its own printable area on the paper for which it can print. For this reason, if a specific printer is not listed below, the print configuration file may require modification by the user to be used for another printer.

| PRINT RESOURCE FILES | PRINTER | DESCRIPTION |
|-----------------------|---------|---|
| 36x24.pro | N / A | Controls postscript image/print output |
| Color.plt | | Color 11x17 (Raster Capable) Uses FDOT.TBL pen table and PSCRIPT.PRO prolog file. |
| Color_FDOTPDF.pltcfg | N/A | Creates a color , Portable Document Format (PDF) file. (Raster Capable) Uses FDOT.TBL pen table. |
| Color_Keysheet.pltcfg | ANY | To be used when printing key sheets containing maps with filled shapes. |
| FDOT.tbl | N/A | Pen table that also enters username, date time, and sheet border path. |
| FDOT_GrayExisting.tbl | N/A | Pen table that enters username, date time, sheet border path, and applies gray scale to files named like: TOPO*, UTEX*, and DREX* |

| PRINT RESOURCE FILES | PRINTER | DESCRIPTION |
|----------------------|--------------------------|---|
| FDOTbatchplt.spc | N/A | Batch print specification file customized for the Department's print configuration files. (Only used with old Batch Print dialog). This print configuration file is being replaced with Print Styles in MicroStation V8i) |
| FDOTPDF.plt | N/A | Creates a .PDF file. (Raster Capable) Uses FDOT.TBL pen table. |
| FDOTprinter.plt | Windows Printer | Copy of Bentley's PRINTER.PLT with weights and styles set to CADD standards. Uses FDOT.TBL pen table. |
| HP1055.plt | HP 1055 CM | Monochrome 36x24 (Raster Capable) Uses 36x24.PRO prolog file. |
| HP1055C.plt | HP 1055 CM | Color 36x24 (Raster Capable) Uses 36x24.PRO prolog file. |
| HP5000.plt | HP 5000 GN | Monochrome 11x17 (Raster Capable) Uses FDOT.TBL pen table and HPTTABL1.PRO prolog file. |
| HP5000Legal.plt | HP 5000 GN | Monochrome 8.5x14 (Raster Capable) Uses FDOT.TBL pen table and HPTLEGAL.PRO prolog file. |
| HP5000Letter.plt | HP 5000 GN | Monochrome 8.5x11 (Raster Capable) Uses FDOT.TBL pen table and HPTLETTER.PRO prolog file. |
| hpglrtl.pltcfg | Large Format | Intended for use when printing large format monochrome sheets. (Raster Capable) |
| hpglrtl_c.pltcfg | Large Format | Intended for use when printing large format color sheets. (Raster Capable) |
| PostScript.plt | N/A | Creates postscript image file. (Raster Capable) Uses FDOT.TBL pen table and HPTTABL1.PRO prolog file. |
| Postscript36x24.plt | N/A | Creates postscript image file. (Raster Capable) Uses FDOT.TBL pen table and 36x24.PRO prolog file. |
| pscript.pro | N/A | Controls postscript image / print output |
| XeroxN40.plt | XEROX Docuprint N4025 | Monochrome 11x17 (Raster Capable) Uses FDOT.TBL pen table and HPTTABL1.PRO prolog file. |

3.11 AutoCAD/Civil 3D PRINT RESOURCE FILES

The Department's CADD Software Suite supplies several AutoCAD print configuration files to generate prints to the Departments print standards.

| PRINT RESOURCE FILES | DESCRIPTION |
|----------------------|---|
| FDOT.stb | Controls the color mapping of display objects to print objects. |
| FDOTPDF.pc3 | Predefined pdf plot settings such as paper size/orientation, margins, plotter name. |
| FDOTPDF.pmp | Used to define custom paper sizes. |

Chapter 4

CADD PRODUCTION PROCEDURES

4.1 PURPOSE

This chapter establishes the minimum requirements for the production of Florida Department of Transportation (Department) Computer Aided Design and Drafting (CADD) projects in accordance with the Department's plans preparation procedures and practices.

4.2 SCOPE

These procedures are applicable to the CADD applications utilized by and for the Department in the production process. They are intended to complement and support the policies, procedures and standards of the Department in accordance with *Procedure No. 025-020-002, Standard Operating System*.

4.3 ACCOUNTABILITY

These procedures do not exempt the professional from performing responsible engineering, surveying and mapping or architecture. The policies and procedures of the Department and appropriate professional practice take precedence when providing professional services for the Department. The professional must have the final responsibility for the accuracy of all input and output of CADD applications.

4.4 DEFINITIONS

Bid Set: A sub-set of files consisting of data derived from the overall Project Data Set containing only those files needed for the advertisement and letting of a project. The files needed for the Bid Set remain in their source folder structure derived from the Project Data set. For Digital Delivery projects, the data in the Bid Set is usually compiled manually and put in a ZIP file with a naming convention defined later in this chapter.

CADD Production: The development of projects utilizing CADD applications, software and discipline-based processes.

Calculations Folder: Excel files, Portable Document Format (PDF) files and any associated quantity backup data for the plan summary boxes.

DQE: Design Quantities and Estimates System. The Department's program for estimating construction cost for projects.

Digital Delivery: A method to deliver project data which relies upon creating a compressed archive (ZIP file) of project data, PDF files of Plans and Specifications documents, which are signed and sealed with a Digital Signature.

Engineering Data: Those electronic files that represent the critical geometric and quantitative controls or other data supporting the graphical representation (design) of a project.

File Checker: An application to assist with the verification of Quality Control (QC) compliance to Delivery standards, such as folder structure, file naming, etcetera.

Journal: Electronic file(s) that document development, correspondence, decisions made, methodology used, exceptions to standards, or other descriptive information about the project. The Electronic Journal includes details that must give future users insight about the project data.

- Letting:** The process of advertising, selection, and award of a contract for the construction of a project.
- Plans Change:** (*Plans Preparation Manual* (PPM) Volume 1, Chapter 20 definition) Modification to a set of plans, after Program Management has changed the Control Group, but before the plans are sent to the Department's Central Office.
- Project:** Projects are identified by the Department through the Financial Project Identification Number (FPID) which becomes the name of the project's root folder. Note that multiple deliveries can occur for a single project, each representing the status of the project at the time of delivery.
- Project Component:** All electronic files that represent and support a delivery by a discipline as part of a project.
- Project Discipline Folder:** The data structure and organization of electronic files on the storage media, as a sub-folder of the project's root folder.
- Project Data Set:** All of the files used or produced during the development of the project and placed in the Project Folder structure.
- Project Folder:** The parent folder of a project containing all project component Folders and data (see Project Root Folder).
- Project Manager:** The person responsible for ensuring that the scope of work is accomplished for a project and the receipt, acknowledgment, validation and acceptance of the project data.
- Project Root Folder:** The file system folder that contains all of the projects' files and folders. The project root folder should not contain files that do not pertain to the project, nor should files that are part of the project reside outside of the project root folder, or one of its sub-folders.
- Reference File:** A design file or other file type that is attached to and viewed simultaneously with the active design file.
- Resolution:** The number of addressable points across a given area. For example, printer resolution is measured in lines or dots per inch, while screen resolution is usually given indicating the number of pixels across the width and height of the largest image that can be displayed. MicroStation design files have a user-definable resolution, called Units of Resolution (UORs).
- Root Certificate:** Cryptographic information installed on a computer that identifies the Certificate Authority and allows the identity of the Signatory to be validated against the identity records held by the Certificate Authority. This process usually requires a connection to the Internet.
- Seed File:** A predefined settings file used to create a new design files or cell libraries.
- Seed Project:** A predefined folder structure that contains all folders listed further in this chapter, as well as other project configuration files. The "seed" is the beginning structure of a project which gets populated with data as the project development occurs.
- Sheet Navigator:** An application which runs within MicroStation, allowing users to browse and open MicroStation files containing sheets for verification or editing. Its purpose is to 'tag' sheets with data that supports later processes for both Indexing and Printing. It is a foundation utility for delivery processes and should be run against every MicroStation design file containing sheets.
- Sheet Set Organizer (SSO):** An application which runs in conjunction with AutoCAD's Sheet Set Manager. Its purpose is to combine and organize .DST files created by Sheet Set Manager. It updates fields in DWG files with data that supports later indexing and printing. It is a foundation utility for subsequent delivery processes using AutoCAD Civil 3D, ensuring sheet data can be extracted properly.
- Strung Project:** Two or more projects let in the same contract.
- Standard Operating Instructions:** Instructions for operating CADD applications intended to help guide the user in CADD production activities.

4.5 REFERENCES

[Standard Operating System, Topic No. 025-020-002](#)

[Plans Preparation Manual Volume 1 & 2, Topic Nos. 625-000-007/625-000-008](#)

4.6 CADD RESOURCES

The *CADD Manual* is maintained by Production Support Office | CADD (CADD). CADD updates and distributes the *CADD Manual* in conjunction with CADD Software releases.

4.7 STANDARD PROJECT FOLDER

The data for each of the Department’s projects is organized and delivered using a standard Project Folder structure defined in this chapter. The Project Folder (Project Root Folder) must be named the Department’s FPID, using all eleven digits. New projects should be created using tools developed and provided by the CADD and delivered with the CADD Software Suite. The Department provides an application called *CreateProject* can be used to initiate the Project folder structure. The Department also provides an application *FileChecker* to help confirm the Project folder structure during QC processes.

4.7.1 Create Project

The *Create Project* application creates the Project Folder structure and prompts the user for additional project specific information. The project folder contains standard sub-folder names for defined disciplines along with support and resource files specific to the project.

Digital Delivery allows unused sub-folders of the project folder to be deleted if they remain empty. Sub-folders have a purpose for the file content they will receive. For example, a cell library developed for a specific project has a dedicated holding sub-folder named `\Cell\` in the standard project folder structure.

The `_meta_info\` sub-folder is used by the FDOT Workspace to establish the top level of the project folder structure and for other purposes. The `_meta_info\` sub-folder is required and must not be removed for delivery.

Note An exception - Specifications Only Projects do not have a `_meta_info\` sub-folder. See Section 4.13.17.

4.7.2 Standard Project Folder Structure

The Department’s standard project folder structure and file naming conventions are based on the anticipated workflow of the Department’s projects and the usual separation of work. Digital Delivery allows any unused (empty) sub-folder to be deleted with the **exception of the `_meta_info\` sub-folder.**

The following table displays the standard project folder structure with a descriptive purpose:

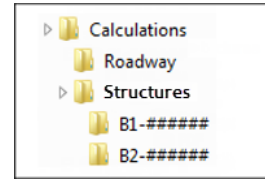
| Folder Names | Purpose |
|---------------------|--|
| Project Name (FPID) | Root Project Folder: contains fpid-PLANS.PDF |
| _meta_info\ | Files used by the FDOT Workspace (Do Not Remove. Required sub-folder.) |
| _Shortcuts\ | Data shortcuts (data for Civil 3D projects only - not used by MicroStation) |
| \3DDeliverables\ | Copies of specific Design Files for Contractor convenience for 3D models, includes LandXML files of critical geometrics and surfaces |
| \admin\ | Administrative documents (email, correspondence, etcetera) |
| \eng_data\ | Typically contain QC reports |
| \arch\ | Architectural design files |
| \eng_data\ | Typically contain QC reports |
| \brinspect\ | Bridge Inspection files |
| \eng_data\ | Typically contain QC reports |
| \calculations\ | Excel files, PDF files and any associated quantity backup data for the Plan Summary Boxes for Roadway and Structures |
| \Cell\ (or \Block\) | Project specific cell libraries (or project block libraries created for Civil 3D) |

| Folder Names | Purpose |
|--------------|---|
| \concepts\ | Various preliminary concepts |
| \eng_data\ | Typically contain QC reports |
| \const\ | Construction files (i.e.: "As-Builts") |
| \eng_data\ | Typically contain QC reports |
| \data\ | Project data files (i.e. journals, material backgrounds for rendering, pen tables, print configuration files, etcetera) |
| \drainage\ | Drainage design files |
| \eng_data\ | Typically contain QC reports and calculations |
| \emo\ | Environmental Management files |
| \eng_data\ | Typically contain QC reports |
| \estimates\ | Estimates files |
| \eng_data\ | Typically contain QC reports |
| \geotech\ | Geotechnical data files |
| \eng_data\ | Typically contain QC reports |
| \GIS\ | Geographic Information System Deliverables |
| \ITS\ | Intelligent Transportation Systems design files |
| \eng_data\ | Typically contain QC reports |
| \landscp\ | Landscape design files |
| \eng_data\ | Typically contain QC reports |
| \lighting\ | Lighting design files |
| \eng_data\ | Typically contain QC reports |
| \maint\ | Maintenance department (This is not Maintenance of Traffic). |
| \eng_data\ | Typically contain QC reports |
| \material\ | Other Materials data files |
| \eng_data\ | Typically contain QC reports |
| \out\ | Other miscellaneous Output files |
| \permits\ | Permits for various items (i.e.: ponds, driveways, mailboxes, etcetera) |
| \eng_data\ | Typically contain QC reports |
| \planning\ | Planning files |
| \eng_data\ | Typically contain QC reports |
| \preestim\ | Preliminary estimates files |
| \eng_data\ | Typically contain QC reports |
| \roadway\ | Roadway design files |
| \eng_data\ | Typically contain QC reports |
| \rwmap\ | Right of Way Mapping files |
| \eng_data\ | Typically contain QC reports |
| \seed\ | Project specific seed files |
| \signals\ | Signalization design files |
| \eng_data\ | Typically contain QC reports |
| \signing\ | Signing and Pavement Marking design files |
| \eng_data\ | Typically contain QC reports |
| \specs\ | Source files used to create the Specifications Package* |
| \eng_data\ | Typically contain QC reports |
| \struct\ | Structure design files |
| \eng_data\ | Typically contain QC reports |
| \survey\ | Survey database and surveying design files |
| \eng_data\ | Typically contain QC reports |
| \syml\ | Project specific resource files for fonts and custom line styles |
| \trafops\ | Traffic Operations data files |
| \eng_data\ | Typically contain QC reports |
| \utils\ | Utility data and design files |
| \eng_data\ | Typically contain QC reports |

4.7.2.1 Calculations Project Folder

This Project sub-folder contains the Excel summary box templates and custom spreadsheets, PDF or TIFF files of hand drawn sketches and calculations, PDF files generated from other programs (i.e. Mathcad), and any associated *quantity backup data* for the Plan Summary Boxes for Roadway and Structures.

Subfolders specific for Roadway and Structures may be created under the \Calculations\ sub-folder to aide in organization of documentation. Under the Project \Calculations\ Structure sub-folder, separate sub-folders may be created for each bridge and/or structure in the project.



4.7.2.2 Discipline Sub-Folders

Discipline sub-folders of a project are generally defined for the division of work and the files they typically would contain. Roadway designers would typically place files they create and “own” under the \Roadway\ sub-folder of the project, Surveyors under the \Survey\ sub-folder, and so forth. In some cases, disciplines may have work that overlaps with other areas of a design. For example, if a Roadway designer develops the drainage sheets, the files produced would, by the above convention, go in the \Roadway\ folder rather than the \Drainage\ folder as the “Roadway” designer is the owner of the work. However, if so desired, those files could have been put in the \Drainage\ sub-folder instead, but file management permissions (for access control systems such as Vault, ProjectWise, Falcon/DMS, and etcetera) must be taken into consideration.

➤ **Engineering Data Sub-Folders:**

Each discipline sub-folder contains an additional sub-folder named \eng_data\. These sub-folders are designated to hold the QC reports (produced by the QC tools) and certain other files.

Note Plan sheets are not required to be printed to the \eng_data\ sub-folder, but may instead be printed directly to a multi-sheet PDF of the plans (stored in the root folder of the project). Remember that empty sub-folders can be deleted in Digital Delivery.

➤ **Custom Sub-Folders:**

In some cases, it is desirable to create “non-standard” or custom sub-folders for additional segregation of work. This is common when multiple parties work in a single discipline. In these cases, the data must be managed, especially when subdivision of the files into additional sub-folders just makes sense. These additional sub-folders can be created under the discipline standard project sub-folders to accommodate these circumstances, but must not to be created under the root folder for the project. These custom sub-folders must adhere to the restrictions for sub-folder names as defined below:

- Certain special characters are not recognized by some programs for sub-folder names and must be avoided (even if they are valid characters for Windows folder names).
- Alphanumeric characters (a-Z), dashes (-), and underscores (_) are therefore the only permissible characters for sub-folder names.
- Spaces must not to be used in any folder or file name for the Department projects.
- Sub-folder names must not exceed 16 characters. File names may exceed 16 characters, but should be kept as concise as possible to help meet full path length restrictions.

Note Examples of characters that should NEVER be used in sub-folder (or file) names include the characters: &, %, |, \$, ?, <, >, !, even if permissible by the Windows Operating System). Some characters represent escape sequences to certain programs and will cause problems.

- Full path lengths are also generally limited to 1024 characters (or less) total by some software. Overall path length (path plus filename) must be taken into account when creating folders (and file) names and may limit the number of sub-folder levels below the project level folder.

Note Remember that the computer (or application) must resolve the full Universal Naming Convention (UNC) path length, even if you have a deep path mapped to a logical drive letter - which could exceed the full path length character limit for some applications. Try to keep your custom folder and file names as concise as possible.

4.8 STANDARD FILE NAMES

This section describes the file naming convention for design files. In the event a particular file name is needed for the project and is not addressed by the schema, consult with either the Project Manager or the District CADD Manager to determine the proper filename to use.

The Department also identifies standard design files as either “critical” or “non-critical.” Critical files are frequently used in downstream applications, shared across disciplines, and used in quantifying pay items. These “critical” files must meet a minimum compliancy for CADD symbology. Standard filenames are discipline specific and are detailed within the respective discipline sections later in this manual. Filename special character restrictions have already been introduced.

4.8.1 Standard Design File Naming Convention

The Department utilizes standard naming conventions for design files and provides applications that depend on these naming conventions being met. The naming convention also confers information to downstream users about the data contained in the design file.

➤ **Standard design file names follow this format: AAAABB##.ext**

AAAA = Abbreviated File Description, which is defined later for most common types
BB = Discipline *Designation*,
= A file Sequence Number (*a padded integer, i.e. “00”, “01”, “02” ... “99”, used to sequence additional files of the same Description + Denotation*),
.ext = File extension indicating the type of file.

For Example: The first proposed Roadway cross section file would be named: *rdxsr01.dgn*

The first six (6) characters of the standard design file naming convention described above are also critical triggers for QC software and symbology filters. If it is necessary to add additional descriptive information in the design filename, this descriptive information should be inserted after the discipline denotation “BB” and preceding the sequence number “##”. Doing so should be only on rare occasion.

For Example: *rdxsr-rampA-01.dgn*, might indicate this proposed cross section file includes Ramp A.

Note Only letters, numbers, dashes, and underscores characters are permitted in file names. Characters and spaces that interfere with operating system path specifications or XML interpretation such as: (*/ \ . : ; , < & # >*) must be avoided.

Very large projects might also necessitate the need to exceed two digit sequence numbers (100+); otherwise the sequence should be limited to two digits. The Department delivers a *CreateFiles* application to assist in producing Design files with the standard naming convention.

Note See Discipline Sections 4.13 – 4.28 of this document for comprehensive coverage of design file naming conventions and CADD Standard Rule assignment applicable to each discipline. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

4.8.2 Print Image File Naming Convention

MicroStation projects use the application *Sheet Navigator* to extract the sheet and title block data from design files containing sheets. The source design file name and data extracted from those files yields resulting PDF print file names (and defines the sheet’s relationship to the plans component of the project). Sheet Navigator uses the *SheetInfo.xml* control file to determine the component order for sheets in the plans set, mining their location in the project folder structure and the sheet number prefix. The *Sheetinfo.xml* control file defines the standard search criteria to identify sheets in a project and is located in the CADD Software \mdlapps\ sub-folder.

AutoCAD Civil 3D projects use a similar tool called *Sheet Set Organizer (SSO)*. *SSO* also uses the source design file name and data extracted from the sheet layouts in drawings assigned to AutoCAD’s Sheet Set Manager (*.dst*) files for names and organizes plans components of the project.

PDF files are the required format for producing an electronic image of Plans for Digital Delivery. Multi-sheet PDF files representing Plans and / or Specifications have been ruled acceptable to the Boards of Professional Regulation and may be signed and sealed with a single or multiple digital signatures. Provisions were made to resolve any potential ambiguity regarding who is responsible for content by using a Signature Sheet (see the Department’s PPM, Volume 2, Chapter 3) for each file signed with a Digital Signature. If more than one professional must sign any given file, a Signature Sheet must appear in that Plans Set (or Component Set) to bear the appearance of each Signatory and include a definition of the portions of that Set each Signatory is taking responsibility for. Data producers are no longer required to retain or sign single files representing each individual sheet of a Plans set.

4.8.2.1 Sheet Numbers

Sheet numbers used in the title blocks of plan sheets are composed of multiple parts using the syntax: **AAA-####Z**. Example Sheet Numbers: S-001A, S-001B, PNC-01, A-15, A-16, T-1, T-2, and 1, 2, 3, etcetera.

- o **AAA** - Represents the sheet number prefix, using multiple alpha characters. Refer to the [Plans Preparation Manual](#) and [Structures Manual](#).
- o **####(Z)** - Defines the numeric order of the sheets within the Plans Component. The optional (Z) suffix allows for the insertion of appended sheets after the project has started, such as the case during revisions. A single alpha character suffix, A-Z, is added for each subsequent sheet inserted for a revised sheet.

Note Structures and Architecture disciplines have extended the sheet numbering schema and the respective discipline instructions should be consulted for additional guidance. These are found in their respective sections later in this Manual.

Sheet Navigator uses sheet number prefixes to determine the plans component each sheets belongs to. The following table identifies each sheet number prefix.

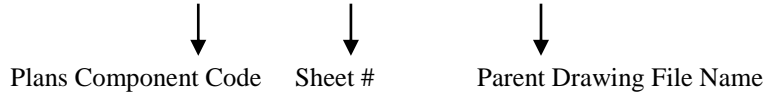
| Prefix | Component |
|-----------------|--|
| [No prefix] | Roadway Plans - (Typical - only an integer is used for most of these sheet numbers) |
| CTL | Roadway Plans - Project Control Sheets |
| GR | Roadway Plans - Soil Survey and Report of Core Borings normally associated with the roadway plans set (including miscellaneous structures but excluding bridges and walls) |
| PC | Roadway Plans – Project Control |
| SQ | Roadway Plans - Summary of Quantities |
| TR | Roadway Plans - Tree Survey Sheets |
| UTV | Roadway Plans - Verified Utility Locate Sheets |
| IT | Intelligent Transportation System (ITS) Plans |
| GI | Intelligent Transportation System (ITS) Plans - Soil Survey and Report of Core Borings |
| LD | Landscape Plans |
| L | Lighting Plans |
| GL | Lighting Plans - Soil Survey and Report of Core Borings |
| T | Signalization Plans |
| PTM | Signalization Plans - Portable Traffic Monitoring Site Sheets |
| GT | Signalization Plans - Soil Survey and Report of Core Borings |
| S | Signing and Pavement Marking Plans |
| GS | Signing and Pavement Marking Plans - Soil Survey and Report of Core Borings |
| Begins with "A" | Architectural Plans |
| BW | Structures Bridge Walls |
| Begins with "B" | Structures Plans |
| BP | Structures Pedestrian Bridge Data Sheets |
| BQ | Structures - Summary of Structures |
| Begins with "U" | Utility Work by Highway Contractor Agreement Plans |

Roadway plans are typically the primary component of the Department’s project plans set containing multiple plan components and can have non-prefixed sheet numbers (1, 2, 3, etcetera). Other disciplines can also be the primary plans component - only in the absence of a Roadway plan component. For example: A Lighting only project may omit the plans component prefix and use the numbering format of 1, 2, 3, etcetera.

4.8.2.2 Print Image File Naming Format

Applications that support printing, such as *Sheet Set Organizer* implement a file naming scheme for PDF files it manages that removes ambiguity about which sheet the file represents (regardless of the sheet-numbering scheme used in the design file) and supports more complex sheet numbering being expected by some disciplines. Digital Delivery does not require individual sheet image files to be delivered, however. If individual sheets are printed to PDF and retained, they must follow the naming convention shown below:

EX: 01_BB1-1A_keysrd01.extension



Note Image file extension must be "PDF" (Portable Document files) and "TIF" (Tagged Image Format files).

- Plans Component Code - [01] The first two numbers represent the Plans Component with zero (0) padding (for file name sorting purposes).

The Department's Standard Plans Component codes (as corresponding to the PPM Volume 2 Chapter 2) are as follows:

- 01 – Roadway
- 02 – Signing and Pavement Marking
- 03 – Signalization
- 04 – Intelligent Transportation Systems (ITS)
- 05 – Lighting
- 06 – Landscape
- 07 – Architectural
- 08 – Structures
- 09 – Toll Facilities
- 10 – Utility Work by Highway Contractor Agreement Plans
- 99 – Unknown (used by *Sheet Navigator* if it cannot determine the Plans Component)

- Sheet # - After the Plans Component Code, an underscore (_) is inserted as a separator, followed by the actual sheet number (BB1-1A) appearing in the title block of the sheet.
- Parent Drawing File Name - After the Sheet #, an underscore (_) is inserted as a separator followed by the name of the source design file (keysrd01).

4.8.3 Typical File Name Extensions

| Extension | File Description | Saved-in Folder |
|-------------|--|--|
| .3pc | 3 Port Criteria Files | Most appropriate discipline folder |
| .pdf | Files for the PLANS | Root project folder for <i>fpid</i> -PLANS.pdf for Digital Delivery. |
| .pdf | Files for the SPECS | \specs\ sub-folder for <i>fpid</i> -SPECS.pdf |
| .dxf | AutoCAD ASCII Drawing Interchange File | Most appropriate discipline folder |
| .dwg | AutoCAD Design Files | Most appropriate discipline folder |
| .dst | AutoCAD Drawing Sheet Set | \eng_data\ sub-folder for the discipline |
| .dwt | AutoCAD Drawing Template | \seed\ sub-folder of the project |
| .lin | AutoCAD Linetype | \symp\ sub-folder of the project |
| .pc3 | AutoCAD Printer Configuration | Most appropriate discipline folder or \symp\ sub-folder of the project |
| .shx | AutoCAD Shape Compiled | \symp\ sub-folder of the project |
| .shp | AutoCAD Shape Files are ASCII Files | \symp\ sub-folder of the project |
| .stb | AutoCAD Plot Style Tables | Most appropriate discipline folder or \symp\ sub-folder of the project |
| .csv | Comma Separated Values | Most appropriate discipline folder |
| .gpk | Coordinate Geometry Database Files | Most appropriate discipline folder |
| .alg | Corridor Modeling Alignment Database | Most appropriate discipline folder |
| .xlp | Corridor Modeling Cross Section Labeling Preference File | Most appropriate discipline folder |
| .xin | Corridor Modeling Drafting Standards | Most appropriate discipline folder |
| .rdp | Corridor Modeling Roadway Design Preference File | Most appropriate discipline folder |
| .ird | Corridor Modeling Roadway Designer Database | Most appropriate discipline folder |
| .dtm | Corridor Modeling Surface Database | Most appropriate discipline folder |
| .itl | Corridor Modeling Template Library | Most appropriate discipline folder |
| .hmr | Descartes Raster Image Files | Most appropriate discipline folder |
| .gpk | GEOPAK COGO Database | Most appropriate discipline folder |
| .x | GEOPAK Criteria Files | Most appropriate discipline folder |
| .ddb | GEOPAK D&C Manager Database Files | Most appropriate discipline folder |
| .gdf | GEOPAK Drainage File | Most appropriate discipline folder |
| .dlb | GEOPAK Drainage Library | Most appropriate discipline folder |
| .inp | GEOPAK Input Files | Most appropriate discipline folder |
| .prj | GEOPAK Project Manager Project File | Most appropriate discipline folder |
| .tin | GEOPAK Surface Database | Most appropriate discipline folder |
| .gif | Graphics Interchange Format | Most appropriate discipline folder |
| .jpeg,/.jpg | Joint Photographic Experts Group | Most appropriate discipline folder |
| .log | Log File | Most appropriate discipline folder |
| .xls(x) | Microsoft Excel Spreadsheets | Most appropriate discipline folder |
| .doc(x) | Microsoft Word Documents | Most appropriate discipline folder |
| .rsc | MicroStation & GEOPAK Resource Files | \eng_data\ sub-folder for discipline |
| .cel | MicroStation Cell Libraries | \cell\ sub-folder of the project folder |
| .dgn | MicroStation Design Files | Most appropriate discipline folder |
| .tbl | MicroStation Pen Tables | \eng_data\ sub-folder for discipline |
| .plt | MicroStation Print Drivers | \eng_data\ sub-folder for discipline |
| .pset | MicroStation Print Organizer Print Set | Most appropriate discipline folder |

| Extension | File Description | Saved-in Folder |
|------------|--|---|
| .pcf | MicroStation Project Configuration | Project Root folder |
| .dgnlib | MicroStation Standards Database | \symlb\ if copied to local project |
| .sid | Multi-resolution Seamless Image Database | Most appropriate discipline folder |
| .ps | Postscript Sheet Image Files | \eng_data\ sub-folder for discipline |
| .xcp | QC Exception Files | \eng_data\ sub-folder for discipline |
| .txt | QC Reports, QC "Folder Name" | \eng_data\ sub-folder for discipline |
| .tif | Tagged Image File | Most appropriate discipline folder |
| .htm/.html | Web Pages | Project Root folder and \data\ sub-folder |
| .xml | XML Files | Most appropriate discipline folder |

4.8.4 Duplicate Files

There must not be duplicate CADD (.DGN, DWG, etcetera) design file names within a project folder structure. This is necessary to ensure proper reference attachments in CADD files. The *FileChecker* application can be used to help find duplicate filenames within the project folder structure.

Note MicroStation and AutoCAD, as part of their search sequence, will use the first occurrence of a file name found as they traverse a folder structure looking for reference attachments with no paths.

Duplicate file names for source attachments can “corrupt” data references. Always use the “relative path” option, but never “full” or “no path” when attaching references.

4.9 REFERENCE FILES

A reference file can be many file types, such as a MicroStation design file, an AutoCAD design file, a raster image file (such as a SID, TIF, or HMR), or a PDF. A reference file is attached as a “background file” to an active design file being edited, thus allowing multiple users to share the information in the reference file without the need to copy the reference file(s) into the active design file folder (creating unnecessary and prohibited duplicates), or copy the referenced file’s content into the active design file.

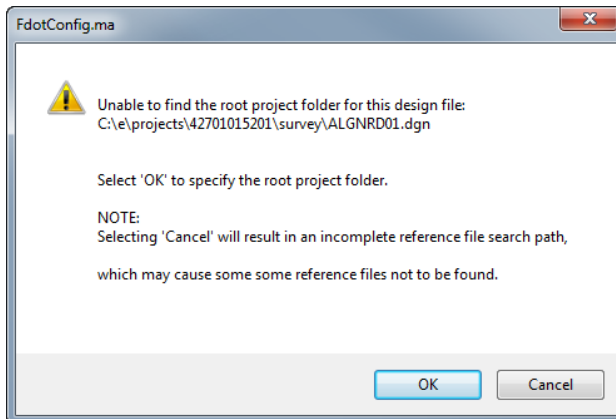
Important Under no circumstances should the “absolute” or “full path” be used when attaching a reference file. Use relative referencing - always! All reference files for the project must reside within the project folder structure.

In MicroStation, reference paths are managed by an application setting (FDOTConfig) that is run at startup of any MicroStation file opened in the FDOT Workspace. This application looks for the `_meta_info\` folder and then moves up one folder to set the root folder for the project. It then dynamically sets the MicroStation configuration variable, `MS_RFDIR`, to search downward from the root folder through all found sub-folders to identify any reference files. Therefore all design files for a project must reside within the Department’s standard folder structure or its sub-folders in order to be located as a reference file.

In AutoCAD Civil 3D, there are two types of reference files used:

- X-references (X-Ref) (Design files)
- Data References (D-Ref) (Data shortcut files located in the `_shortcuts` folder within a project)

If the `_meta_info\` subfolder does not exist, when a file is opened in MicroStation in an FDOT Workspace, the user will be prompted to define the parent folder of the project to enable the application to set the search path for reference files. See the following screenshot:



- If Cancel is selected, any reference to the models of files located in different sub-folders will not be displayed because the `MS_RFDIR` variable could not be populated automatically.
- If OK is selected, the user will be given the opportunity to define the root of the project. The user navigates to the root of the project, named for the Financial Project Identification Number.

Important: If duplicate file names exist in the sub-folders of the project, MicroStation will attach the first matching filename it finds in the path. Therefore, duplicate file names are prohibited!

4.10 SHARING CADD FILES BETWEEN DISCIPLINES

There are times when disciplines share files with other disciplines. If a discipline requires information from another discipline, the needed design file(s) or individual models must be referenced from the original folder, not copied.

For example, the Signing and Pavement Marking design file (*DSGNSP*) references the Roadway design file (*DSGNRD*) and the Topography file (*TOPORD*). These files should not be copied into the Signing and Pavement Marking discipline sub-folder.

Note If there is a specific justification to copy a file into another folder, the filename must be modified to reflect the discipline file name usage. For example, *topord01.dgn* (from the *\survey* sub-folder) would become *toposp01.dgn*, if copied to the *\signing* sub-folder, or as a minimum the sequence number would change to ensure that there is no doubt the copied file differs from the original source file.

The data producer is always responsible to ensure that up-to-date content of the original files is always reflected in their copies of those design files. Making copies of design files to different locations is strongly discouraged for this reason, as the content now must be managed between the originals and the copies.

4.11 PROJECT JOURNAL

A Project Journal must be produced for all projects to document details on project data, design aspects, processes and decisions made during the development that would communicate important information to a down-stream user of the project data. The Journal must be delivered with the Project in either MS Word (*.doc* or *.docx*), text (*.txt*), or Acrobat (*.pdf*) formats.

The Project Journal file(s) may be delivered to document the activities for a given discipline (i.e. a Surveyor's Journal), or may be created to document a particular production activity (i.e. creating cross sections). Journal file entries should document alternate methods employed, variant decisions made, problems encountered, setting selected, fixes included or other issues encountered during the production process outside the normal course of operations.

For example: If custom line styles were created, the justification for the custom line style and the resource file name containing the custom line style should be documented in the Journal. Any information that would help in the regeneration of CADD files and / or prints should be recorded. The critical geometry information, database, controlling alignment(s) and profile names, relevant survey and cross section information and the methodology used to obtain the final geometric controls in the CADD product should be recorded.

4.12 PRINTS

All printing will be generated from the native design files. All print images (PDFs) are produced to scale to match the native application.

Note Not all printer hardware will print paper sheets exactly to scale, even if the source design file, or a resulting print image file (PDF) is to scale.

The Department's standard sheet borders are defined for the disciplines. Sample print drivers are also provided to generate "drawn to scale" print images for the printer hardware supported. Standard sheet borders delivered with the CADD software comply with the Department's sheet appearance formats, as defined in the PPM and other controlling procedures.

4.12.1 Print Borders

For MicroStation printing, the Department’s standard sheet files have a print border embedded for each sheet. The defined search criteria for constituting a print area on a sheet is illustrated in the table below.

Note *PlotBorder_dp* and *ShtPlotBorder_c* are the current print border level symbology used in the CADD Software. Typical print border dimension for 11x17 plan sheet prints: 16.5” x 10.6”.

| | Border 1 | Border 2 | Border 3 | Border 4 | Border 5 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Type | Shape | Shape | | | Shape |
| Level | PlotBorder_dp | PlotBorderSht | PlotShape | ShtPlotBorder_c | 51 |
| Color | BYLEVEL | BYLEVEL | BYLEVEL | BYLEVEL | 3 |

For AutoCAD printing, the Department prints sheets defined in Layout tabs, no search criteria is required.

4.12.2 Print Image Files

The PDF print capability provided by both Bentley and Autodesk is the required print format for plans. When PDF files are produced, the user must ensure that no encryption or other PDF security is embedded in the PDF so those print files may be subsequently manipulated (such as rotation to proper viewing orientation, combining into larger multi-page PDF documents, or digitally signing and sealing later in the production process). Note that once a file is digitally signed and sealed, it cannot be manipulated later without invalidating the signatures already applied.

4.12.3 Foreign Plan Sheets

In some cases, designers have no choice but to scan pre-existing hardcopy sheets to create digital sheet files. For example, some plan sheets may already exist as hardcopies and were signed & sealed conventionally by wet ink signature and impression seal at some time in the past. This might occur when either pre-existing plans are incorporated into the current delivery, or some professional discipline does not have legal authority to sign and seal their plans digitally. In such cases, those plan sheets should be scanned at minimum of 300 DPI resolution (or higher if warranted), to PDF, or Group-4 Tagged Image File Format (TIFF), according to [Records Management](#). When scanning, use the lightest contrast setting possible such that reprints from the scans have a minimum of scanned “artifacts” and “speckling,” and will read and print legibly.

Note File naming of the scanned sheet files should follow the file naming conventions already described.

If scanning hardcopy plans that bear a raised seal, then the raised seal should be shaded / burnished before scanning so the seal appears clearly in the scanned image. Scanned existing plan sheets already signed and sealed on paper must not be re-signed and sealed with Digital Signature. However, they may be signed-only (not sealed) by a responsible party only to take accountability for their inclusion within a contemporary plans set (using the appropriate qualifiers or exculpatory language).

4.12.4 Print Drivers

The example print driver files and the sheet settings provided with the CADD Software are used to generate prints to scale. These driver files are considered “examples,” due to the various site-specific configurations and types of printers that may be encountered. The print driver files were tested and work with the printers for which they were developed, so one may have to make adjustments if their equipment varies.

Each printer has its own “printable” area defined for a paper size which may differ slightly from printer model to printer model. It is the sole responsibility of the person performing the prints to ensure hardcopy printing is operating acceptably for their hardware. All MicroStation print driver files supplied by the Department have raster printing enabled. AutoCAD uses Page Setups and Plot Style tables.

Note See Section 3.10 of this document for a list of MicroStation print driver files delivered by the Department.

4.12.4.1 MicroStation Half-Toning

The color 20 is used to define half-toning in the Department's MicroStation printer driver files. Half-toning of the minor grid lines on the cross section sheets, the profile portion of the plan / profile sheet and the profile sheet is shown in the *PPM, Volume 2 Exhibits*. The Department's Project Manager must approve half-toning of any other graphical elements in the design files.

Some Districts have specified half-toning of certain reference files from one discipline to another. For example, the topography file could be half-toned when referenced to the proposed design. This must be approved on a per District basis. A pen table can be set up to equate any referenced file to color 20, thus half-toning the entire reference file at print time.

4.12.4.2 Quality and Reproduction

Printed output from the design files or plan sheet image file PDF's must be legible and of a quality to be reproducible on 2nd generation copies. Line weights as defined in Chapter 3 are default settings, but may need to be adjusted, depending on printer hardware, to produce the required quality of hard-copy printed documents.

4.12.5 Professional of Record Note

For those sheets that are digitally signed and sealed by a Professional Engineer, the following note must be placed legibly on the sheet, typically along the right hand border of the sheet opposite of the binding location:

Note See the PPM; Volume 1, Section 19.2.2, for further information.

"NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C."

Note For additional information about Professional of Record Note and Signature Sheets also see the PPM; Volume 2, Chapter 3.

The regulatory Board Rule number referenced is determined by the discipline of the professional that is signing and sealing (i.e., for Surveyors and Mappers, the Rule is 5J-17.062, F.A.C. For Geologists, the Rule is 61G16-2.005, F.A.C. For Landscape Architects, the Rule is 61G10-11.011, F.A.C. For Registered Architects, the Rule is 61G1-16.005, F.A.C.).

Sheets that are signed by multiple Signatories of different professional types (such as an Architect and an Engineer) will not bear the note unless it can be combined and fit legibly on the border. In such a case the note might read:

"NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C., AND RULE 61G1-16.005, F.A.C."

Signatory Sheets have similar notes placed within the body of the sheet within the section for each Signatory, and will not have the note placed along the sheet border. See examples in the PPM, Volume 2 Chapter 3.3.

The Professional of Record Note may be placed on the sheet at any time during the plans production process, however has no force or effect until the sheet is actually signed and sealed.

4.13 DISCIPLINE STANDARDS

4.13.1 Roadway Standards

CADD Standards for component plans are defined in their respective chapters. See the Department’s PPM Volume 2 for the Sequence of Plans Preparation and the definition of component plans.

4.13.1.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ *Standard design file names should follow this format: AAAABB##.ext*

Where **AAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

The following table defines the Roadway File names with each file including sequential numbering. Standard model names are also provided. Since most Drainage files are shared with Roadway, the two groups must coordinate the creation and ownership of these files.

The file types listed in the following table may be used by other disciplines, and the first four characters of the file name are consistent between disciplines, but the fifth and sixth characters vary to reflect the discipline name. Each discipline chapter details their Standard File Names. Standard Model names are also provided in the table, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Roadway Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------|----------|-----------|------------|--|--------|------------------------|------------------------|
| | Borders & Sheets | | BDBRRD## | default | Border Sheet Reference File for Bridge Hydraulic Sheet | planrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDDMRD## | default | Border Sheet Reference File for Drainage Map Sheet | planrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDPLRD## | default | Border Sheet Reference File for Plan Sheet | planrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDPPRD## | default | Border Sheet Reference File for Plan/Profile Sheet | plprrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDPRRD## | default | Border Sheet Reference File for Profile Sheet | plprrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDXSRD## | rdxsrd | Border Sheet Reference File for Cross-Section Sheet | rdxsrd | fdotseedxs.dgn | |
| 13 | Borders & Sheets | | GNNTRD## | default | Project Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 24 | Borders & Sheets | | LDPRRD## | default | Lateral Ditch Plan / Profile Sheet | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 14 | Borders & Sheets | | PLANRD## | default | Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 12 | Borders & Sheets | | PLAYRD## | default | Project Layout Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 15 | Borders & Sheets | | PLPRRD## | default | Plan & Profile Sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Borders & Sheets | | PRDSRD## | default | Project Profile Layout | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 17 | Borders & Sheets | | PROFRD## | default | Profile Sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 16 | Borders & Sheets | | TMSSRD## | default | Traffic Monitoring Site Plan Sheets | open | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPRD## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLRD## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRRD## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|---------------------|----------|-----------|--|---|---------|------------------------|------------------------|
| 21 | Cross Sections | | DRXSRD## | Pattrd Rdxsrd Rdxsrd_shg Xsshrd | Drainage Structure Cross Section Pattern Lines Drainage Structure Cross Sections Drainage Structure Cross Section Sheets Drainage Structure Cross Section Shapes | drxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| | Cross Sections | | GKLNRD## | default | GEOPAK Lines for Existing Features | survrd | fdotseed2d.dgn | |
| 25 | Cross Sections | X | LDXSRD## | Pattrd rdxsrd Rdxsrd_shg Xsshrd | Lateral Ditch Cross Section Pattern Lines Lateral Ditch Cross-Sections Lateral Ditch Cross Section Sheets Lateral Ditch Cross Section Shapes | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| 29 | Cross Sections | X | PDXSRD## | Pattrd Rdxsrd Rdxsrd_shg Xsshrd | Pond Cross Section Pattern Lines Pond Cross Sections Pond Cross Section Sheets Pond Cross Section Shapes | pdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| 40 | Cross Sections | X | RDXSRD## | Pattrd rdxsrd Rdxsrd_shg Xsshrd | Roadway Cross Sections Pattern Lines Roadway Cross-Sections Roadway Cross Sections Sheets Roadway Cross Sections Shapes | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| 26 | Drainage | | DRDTRD## | default | Drainage Detail Sheet | drdtrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Drainage | | DREXRD## | default | Drainage Structures - Existing | drexrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Drainage | | DRFLRD## | default | Drainage Flood Data Form | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 4 | Drainage | | DRMPRD## | default | Drainage Map | drmprd | fdotseed2d.dgn | fdotmaster.dwt |
| 10 | Drainage | | DRMRD## | default | Drainage Optional Materials Tabulation | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Drainage | X | DRPRRD## | default | Drainage Structures - Proposed | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 21 | Drainage | X | DRXSRD## | rdxsrd | Drainage Structure Cross Sections, Pattern Lines and Shapes | drxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| | Existing DTM | | GDTMRD## | default | Digital Terrain Model / TIN Model - 3D | gdtmrd | fdotseed3d.dgn | survey.dwt |
| | Existing Topography | | TOPOEM## | default | Topography-Existing (Locations for Environmental Concerns) | topord | fdotseed2d.dgn | survey.dwt |
| | Existing Topography | X | TOPORD## | default | Topography-Existing (Utility & Drainage not included) | topord | fdotseed2d.dgn | survey.dwt |
| 32 | Existing Topography | | TREERD## | default | Tree Survey Sheet | topord | fdotseed2d.dgn | survey.dwt |
| 23 | Geotechnical | | CLVGEO## | default | Box Culvert Auger & SPT Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 34 | Geotechnical | | CPTGEO## | default | CPT Soundings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 36 | Geotechnical | | MSEWGEO## | default | MSE Wall SPT Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 51 | Geotechnical | | MTGEO## | default | Mitigation Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 37 | Geotechnical | | NWGEO## | default | Noise Wall SPT Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 28 | Geotechnical | X | PGGEO## | default | Pond Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 35 | Geotechnical | | RDGEO## | default | Augers Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 33 | Geotechnical | | RDSSGEO## | default | Roadway Soil Survey Sheet | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 38 | Geotechnical | | RTWGEO## | default | Retaining Wall SPT Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 39 | Geotechnical | | SPGEO## | default | Sheet Pile Wall SPT Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 1 | Key Sheets | | KEYSRD## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| 48 | Project Control | | CTLSRD## | default | Project Control Sheets | planrd | fdotseed2d.dgn | ctlsrd.dwt |
| | Proposed Design | | ALGNRD## | algnrd | Alignment Layout | algnrd | fdotseed2d.dgn | fdotmaster.dwt |
| 18 | Proposed Design | | BKSWRD## | default | Back of Sidewalk Profiles | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 11 | Proposed Design | | CURCRD## | default | Curve or Coordinate Data Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | X | DSGNRD## | default | Proposed Design | dsgnrd | fdotseed2d.dgn | fdotmaster.dwt |

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------------|----------|-----------|------------|---|--------|------------------------|------------------------|
| | Proposed Design | | DSPFRD## | default | Proposed Profile | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 19 | Proposed Design | | INTDRD## | default | Intersection/Interchange Details | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 20 | Proposed Design | | INTPRD## | default | Intersection/Interchange Profiles | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 50 | Proposed Design | | MITGRD## | default | Mitigation Areas | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | X | MODLRD## | default | Proposed Design Model | dsgnrd | fdotseed2d.dgn | fdotmaster.dwt |
| 27 | Proposed Design | | PDPLRD## | default | Pond Design | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | X | QTDSRD## | default | Quantity Computation Shapes/Calculations | qtdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | X | QUANRD## | default | Quantity Computation Details | qtdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | | RWDTRD## | default | Right of Way Details for Roadway | rwtrrd | fdotseed2d.dgn | fdotmaster.dwt |
| 49 | Proposed Design | | SCGRRD## | default | Selective Clearing & Grubbing Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | | SIGNCB## | default | Digital Signatures - Core Borings | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | SIGNPC## | default | Digital Signatures - Project Control | open | fdotseed2d.dgn | digitalsignature.dwt |
| 2 | Proposed Design | | SIGNRD## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | SIGNVU## | default | Digital Signatures - Verified Utilities | open | fdotseed2d.dgn | digitalsignature.dwt |
| 41 | Proposed Design | | SWPPRD## | default | Storm Water Pollution Prevention Plan | plprrd | fdotseed2d.dgn | swpprd.dwt |
| | Proposed Design | | TEXTDR## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| | Proposed Design | | TEXTRD## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| 52 | Proposed Design | | WETLRD## | default | Wetlands Delineation Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 31 | Special Details | | CSINRD## | default | Concrete Slab Inventory | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 30 | Special Details | | SPDTRD## | default | Special Details Sheet | open | fdotseed2d.dgn | fdotmaster.dwt |
| 5 | Summary Boxes / Tables | | BRHYRD## | default | Bridge Hydraulics Recommendation Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 22 | Summary Boxes / Tables | | BXCLRD## | default | Box Culvert Wingwall Design and Special Details | drdrd | fdotseed2d.dgn | fdotmaster.dwt |
| 3 | Summary Boxes / Tables | | CESSRD## | default | Summary of Pay Item Sheets | planrd | fdotseed2d.dgn | planrd.dwt |
| 9 | Summary Boxes / Tables | | SUMDRD## | default | Summary of Drainage Structures | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 8 | Summary Boxes / Tables | | SUMQRD## | default | Summary of Quantities Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Traffic Control | X | TCDSRD## | default | Traffic Control Design | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| 45 | Traffic Control | | TCDTRD## | default | Traffic Control Detail Sheet | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| 42 | Traffic Control | | TCGNRD## | default | Traffic Control General Note Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 44 | Traffic Control | | TCPLRD## | default | Traffic Control Plan Sheets | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| 43 | Traffic Control | | TCTYRD## | default | Traffic Control Typical Section Sheets | open | fdotseed2d.dgn | fdotmaster.dwt |
| | Typical Sections | | TYPDRD## | default | Typical Data Sheet | typdrd | fdotseed2d.dgn | fdotmaster.dwt |
| 7 | Typical Sections | | TYPSRD## | default | Typical Section Sheets & Details | open | fdotseed2d.dgn | planrd.dwt |
| 46 | Utilities | | UTADRD## | default | Utility Adjustment Sheets | utadrd | fdotseed2d.dgn | utadrd.dwt |
| | Utilities | X | UTEXRD## | default | Utilities - Existing | utexrd | fdotseed2d.dgn | survey.dwt |
| | Utilities | X | UTPRRD## | default | Utilities - Proposed | utprrd | fdotseed2d.dgn | utprrd.dwt |
| 47 | Verified Utilities | | SBVHRD## | default | Summary of Verified Utilities (2D) | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Verified Utilities | | UTVHRD## | default | Survey of Verified Utilities (2D) | utexrd | fdotseed2d.dgn | survey.dwt |
| | Verified Utilities | | UTVHRD## | default | Survey of Verified Utilities (3D version of utexrd.dgn) | utexrd | fdotseed3d.dgn | survey.dwt |

4.13.1.2 Engineering Data

The \roadway\ discipline folder contains the sub-folder named \eng_data\ designated to store the following:

- Quality Control Reports.
- Engineering Data output files, including LandXML files of the points, alignments, profiles, sections, surfaces, pipe networks and Multiline files.
- Roadway design reports, including any databases used for report generation.
- All supplemental hand design calculations (scanned and saved in PDF format).
- Other data pertinent to the overall roadway design.

4.13.2 Signing and Pavement Marking Standards

Signing and Pavement Marking Plans are usually a component set of plans (see Section 4.17 Roadway Standards). However, if the Signing and Pavement Marking Plans are the lead plan set, then the standards set in Section 4.17 Roadway Standards, pertaining to elements that are specific to the lead plan set, will apply to the Signing and Pavement Marking plan set (i.e., Traffic Control files and elements, preliminary estimate sheets, etcetera).

The Department’s projects requiring minor Signing and Pavement Marking construction work may include these features detailed on sheets in the Roadway Plans. If this is the case, the Signing and Pavement Markings element symbology standards apply. However, an exception to the Standard Rules must be created and documented in the Roadway discipline journal file.

When prepared as component plans, Signing and Pavement Parking plans will be assembled as a separate plan set complete with a key sheet, tabulation of quantities and all other relevant Signing and Pavement Marking sheets. The sheets must be numbered consecutively, with sheet numbers prefixed by the letter “S”.

4.13.2.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ **Standard design file names should follow this format: AAAABB##.ext**

Where **AAA** = abbreviated file description, **BB** = Discipline Denotation, **##** =Sequence number.

The following table defines the Signing and Pavement Marking File names with each file including sequential numbering. Standard model names are also provided.

The file types listed in the following table may be used by other disciplines, and the first four characters of the file name is consistent between disciplines, but the fifth and sixth characters vary to reflect the discipline name. Each discipline chapter details their Standard File Names. Standard Model names are also provided in the table, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Signing Component of Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|---------------------|----------|-----------|------------|---|---------|------------------------|------------------------|
| | Borders & Sheets | | BDPLSP## | default | Border for Plan Sheets when sheet is referenced | planrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDXSSP## | rdxsrd | Border for Cross Section Sheet when sheet is referenced | rdxssp | fdotseedxs.dgn | |
| 5 | Borders & Sheets | | GNNTSP## | default | General Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Borders & Sheets | | PLANSP## | default | Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPSP## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLSP## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRSP## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 10 | Cross Sections | X | RDXSSP## | rdxsrd | Cross-Sections | rdxssp | fdotseedxs.dgn | fdotmaster.dwt |
| | Existing Topography | | TOPOSP## | default | Topography - Existing | topord | fdotseed2d.dgn | survey.dwt |
| 11 | Geotechnical | | SNGEO## | default | Signs Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 1 | Key Sheets | | KEYSSP## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| | Proposed Design | | AUTOSP## | default | AutoTurn Turning Radius Data | autosp | fdotseed2d.dgn | fdotmaster.dwt |

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|-----------------------|----------|-----------|------------|--|--------|------------------------|------------------------|
| | Proposed Design | X | DSGNP### | default | Proposed Design | dsgnsp | fdotseed2d.dgn | fdotmaster.dwt |
| 12 | Proposed Design | | SAPMSP### | default | Layout as a Typical Design or Passing Zone | dsgnsp | fdotseed2d.dgn | fdotmaster.dwt |
| 2 | Proposed Design | | SIGNSP### | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | TEXTSP### | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| 7 | Special Details | | GSWKSP### | default | Guide Sign Work Sheet & Details | gswksp | fdotseed2d.dgn | fdotmaster.dwt |
| 9 | Special Details | | MSARSP### | default | Mast Arm Detail for Signing | msarsp | fdotseed2d.dgn | fdotmaster.dwt |
| 13 | Special Details | | SPDTSP### | default | Special Details - Miscellaneous | open | fdotseed2d.dgn | fdotmaster.dwt |
| 8 | Special Details | | SPSGSP### | default | Special Sign Details for Overhead | open | fdotseed2d.dgn | fdotmaster.dwt |
| 3 | Summary Boxes /Tables | | CESSP### | default | Summary of Pay Item Sheets | planrd | fdotseed2d.dgn | planrd.dwt |
| 4 | Summary Boxes /Tables | | TABQSP### | default | Tabulation of Quantity Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |

4.13.2.2 Sign Design

The Draw Sign program is a MicroStation application that draws sign panels and posts and determines the corresponding pay item of the assembly based on the wind load and post properties. The Draw Sign program requires use of the GEOPAK and GEOPAK Design and Computation (D&C) Manager database (*FDOTXXX.ddb*) to provide automated pay item association. (*XXX* reflects the current version of database.)

The Department's Signs application (FDOT Signs) included in the State Kit for Civil 3D, provides similar functionality. It requires the project's pay item database (*payitemdb.xml*), also used by Entity Manager, to provide automated pay item associations.

4.13.2.3 GuidSIGN

GuidSIGN is the standard sign design software used by the Department. However, using GuidSIGN is not required and other sign design programs available in the industry may be used. The Department's Level/Symbology Standards must still be met regardless of the software used.

GuidSIGN is a tool to create sign panels. Sign panel design and creation require two (2) separate files: *GSWKSP###.dgn (DWG)* for sign panel design and the worksheet and the *DSGNP###.dgn (DWG)* file for sign panel placement on the project. There is no limit in the number of sign panels that can be placed in a file.

In addition to the GuidSIGN worksheet design file, required for all non-standard sign designs by the PPM, a DXF output file of the sign for use by a sign cutting shop must be delivered for the creation of the physical sign panel.

4.13.2.4 AutoTURN

AutoTURN is the standard turn radius design software used by the Department. However, using AutoTURN is not required. Other vehicle wheel path design software available in the industry may be used for designing the turning movements of roadway intersections. The Department also uses Autodesk Vehicle Tracking. The Department's Level/Symbology Standards must still be met regardless of the software used.

4.13.3 Signalization Standards

Signalization Plans are usually a component set of plans (see Section 4.17 Roadway Standards). However, if the Signalization Plans are the lead plan set, then the standards set in Section 4.17 Roadway Standards, pertaining to elements that are specific to the lead plan set will apply to the Signalization plan set (i.e., Traffic Control files and elements, preliminary estimate sheets, etcetera)

The Department’s projects requiring minor signalization construction work may include these features detailed on sheets in the Roadway Plans. If this is the case, the Signalization element Level/Symbology Standards within this Section will still apply. However, an exception to the Standard Rules must be created and documented in the Roadway discipline journal file.

When prepared as component plans, Signalization Plans will be assembled as a separate plan set complete with a key sheet, tabulation of quantities and all other relevant signalization sheets. The sheets must be numbered consecutively, with sheet numbers prefixed by the letter “T”. The Signalization Plans show the construction details, signal phasing and other relevant data.

4.13.3.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ **Standard design file names should follow this format:** *AAAABB##.ext*

Where **AAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

The following table defines the Signalization File names with each file including sequential numbering. Standard model names are also provided.

The file types listed in the following table may be used by other disciplines, and the first four characters of the file name are consistent between disciplines, but the fifth and sixth characters vary to reflect the discipline name. Each discipline chapter details their Standard File Names. Standard Model names are also provided in the table, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Signalization Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|---------------------|----------|-----------|------------|--|---------|------------------------|------------------------|
| | Borders & Sheets | | BDPLSG## | default | Border Sheet Reference File for Plan Sheets | planrd | fdotseed2d.dgn | |
| 5 | Borders & Sheets | | GNNTSG## | default | General Notes Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Borders & Sheets | | PLANS## | default | Plan Sheet | dsgnsg | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPSG## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLSG## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRSG## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Existing Topography | | TOPOSG## | default | Topography - Existing | topord | fdotseed2d.dgn | survey.dwt |
| 12 | Geotechnical | | SGGEO## | default | Signal Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 1 | Key Sheets | | KEYSSG## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| | Proposed Design | X | DSGNSG## | default | Proposed Design & Signal information | dsgnsg | fdotseed2d.dgn | fdotmaster.dwt |
| 2 | Proposed Design | | SIGNSG## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | TEXTSG## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------------|----------|-----------|------------|---|--------|------------------------|------------------------|
| 7 | Special Details | | GSWKSG## | default | Guide Sign Work Sheet & Details | gswksp | fdotseed2d.dgn | fdotmaster.dwt |
| 8 | Special Details | | SSDTSG## | default | Special Details for Signs & Miscellaneous Items | dsgnsg | fdotseed2d.dgn | fdotmaster.dwt |
| 9 | Special Details | | VHLPSG## | default | Special Loop Details & Instructions | dsgnsg | fdotseed2d.dgn | fdotmaster.dwt |
| 3 | Summary Boxes / Tables | | CESSSG## | default | Summary of Pay Items | planrd | fdotseed2d.dgn | planrd.dwt |
| 11 | Summary Boxes / Tables | | MSSGSG## | default | Mast Arm Detail & Tables | dsgnsg | fdotseed2d.dgn | planrd.dwt |
| 10 | Summary Boxes / Tables | | PLDTSG## | default | Pole Tabulation & Details for All Types | dsgnsg | fdotseed2d.dgn | planrd.dwt |
| 4 | Summary Boxes / Tables | | TABQSG## | default | Tabulation of Quantity Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |

4.13.4 Intelligent Transportation Systems Standards

Intelligent Transportation Systems (ITS) Plans are usually a component set of plans. The Department's Projects with minor ITS involvement may include these features on various applicable sheets in the Roadway plans set. They can also be shown in the Signalization plans set or on applicable Signalization sheets.

4.13.4.1 Standard File Names

The Department utilizes standard naming conventions for all of its files and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ **Standard file names should follow this format: AAAABB##.ext**

Where **AAAA** = abbreviated file description, **BB** = Discipline Denotation, **##** =Sequence number.

The following table defines the ITS standard file names for Department projects. Each file name must include sequential numbering. Standard model names are also provided, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the ITS Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------|----------|-----------|------------|---|--------|------------------------|------------------------|
| | Borders & Sheets | | BDPLIT## | default | Border Sheet Reference Model for Plan Sheet | planrd | fdotseed2d.dgn | |
| | Borders & Sheets | | BDXSIT## | rdxsrd | Border Cross-Section Sheet when Referenced | rdxsrd | fdotseedxs.dgn | |
| 5 | Borders & Sheets | | GNNIT## | default | General Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 7 | Borders & Sheets | | PLANIT## | default | Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Borders & Sheets | | PLAYIT## | default | Plan Layout Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 14 | Borders & Sheets | | SPLYIT## | default | Splice Layout Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPIT## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLIT## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRIT## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 19 | Cross Sections | X | SSXSIT## | rdxsrd | Sign Support Cross-Sections | rdxssp | fdotseedxs.dgn | fdotmaster.dwt |
| 1 | Key Sheets | | KEYSIT## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| | Proposed Design | X | DSGNIT## | default | Proposed Signalization Design & information | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | X | DSLIT## | default | Proposed Lighting Design | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | X | DSPMIT## | default | Proposed Signing & Pavement Marking Design | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | | INTDIT## | default | Intersection / Interchange Details | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 2 | Proposed Design | | SIGNIT## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | TEXTIT## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| 16 | Special Details | | GSWKIT## | default | Guide Sign Work Sheet & Details | gswksp | fdotseed2d.dgn | fdotmaster.dwt |
| 10 | Special Details | | JCDTIT## | default | Jacking Detail Sheet | open | fdotseed2d.dgn | fdotmaster.dwt |
| 23 | Special Details | | LUDTIT## | default | Luminaire Detail Sheet (All Types) | open | fdotseed2d.dgn | fdotmaster.dwt |
| 11 | Special Details | | NWDTIT## | default | Communications Network Details | open | fdotseed2d.dgn | fdotmaster.dwt |
| 12 | Special Details | | NWLYIT## | default | Communications Network Layout/Block diagram | open | fdotseed2d.dgn | fdotmaster.dwt |
| 20 | Special Details | | SGDTIT## | default | Special Signal Details | open | fdotseed2d.dgn | fdotmaster.dwt |
| 13 | Special Details | | SPDTIT## | default | Splice Diagrams | open | fdotseed2d.dgn | fdotmaster.dwt |

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------------|----------|-----------|------------|--|---------|------------------------|------------------------|
| 18 | Special Details | | SPSGIT## | default | Dynamic Message Sign Detail for Overhead Signs | open | fdotseed2d.dgn | fdotmaster.dwt |
| 15 | Special Details | | SRPTIT## | default | Service Point Detail Sheets | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| 17 | Special Details | | SSDTIT## | default | Special Sign Details & Miscellaneous Details | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 9 | Special Details | | VHDTIT## | default | Vehicle Detector Details & Instructions | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| 3 | Summary Boxes / Tables | | CESSIT## | default | Summary of Pay Items | planrd | fdotseed2d.dgn | planrd.dwt |
| 22 | Summary Boxes / Tables | X | MSSGIT## | default | Mast Arm Detail and Tables | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| 8 | Summary Boxes / Tables | | PLDTIT## | default | Pole Tabulation & Details for All Types | open | fdotseed2d.dgn | planrd.dwt |
| 21 | Summary Boxes / Tables | | SLBRIT## | default | Soil Borings for Poles & Overhead Structures | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 4 | Summary Boxes / Tables | | TABQIT## | default | Tabulation Quantity Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 24 | Traffic Control | | TCDTIT## | default | Traffic Control Design Sheet | itssp | fdotseed2d.dgn | fdotmaster.dwt |
| 25 | Utilities | | UTADIT## | default | Utility Adjustment Sheets | utadrd | fdotseed2d.dgn | utadrd.dwt |

4.13.5 Lighting Standards

Highway Lighting Plans are usually a component set of plans (see Section 4.17 Roadway Standards). However, if the Highway Lighting Plans are the lead plan set, then the standards set in Section 4.17, Roadway Standards, pertaining to elements that are specific to the lead plan set will apply to the Highway Lighting plan set (i.e., Traffic Control files and elements, preliminary estimate sheets, etcetera).

When prepared as component plans, Highway Lighting Plans will be assembled as a separate plan set complete with a key sheet, tabulation of quantities and all other relevant lighting sheets. The sheets must be numbered consecutively, with sheet numbers prefixed by the letter “L”.

4.13.5.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ **Standard design file names should follow this format: AAAABB##.ext**

Where **AAAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

The following table defines the Highway Lighting File names with each file including sequential numbering. Standard model names are also provided.

The file types listed in the following table may be used by other disciplines, and the first four characters of the file name are consistent between disciplines, but the fifth and sixth characters vary to reflect the discipline name. Each discipline chapter details their Standard File Names. Standard Model names are also provided in the table, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Lighting Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|---------------------|----------|-----------|------------|--|---------|------------------------|------------------------|
| | Borders & Sheets | | BDPLLT## | default | Border Sheet Plan | planrd | fdotseed2d.dgn | |
| 5 | Borders & Sheets | | GNNTLT## | default | General Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 7 | Borders & Sheets | | PLANLT## | default | Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPLT## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLLT## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRLT## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Existing Topography | | TOPOLT## | default | Topography - Existing | topord | fdotseed2d.dgn | survey.dwt |
| 12 | Geotechnical | | LTGEO## | default | Lighting Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 1 | Key Sheets | | KEYSLT## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| | Proposed Design | X | DSGNLT## | default | Proposed Design | dsgnlt | fdotseed2d.dgn | fdotmaster.dwt |
| 2 | Proposed Design | | SIGNLT## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | TEXTLT## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| 8 | Special Details | | CNPLLT## | default | Special Pole Detail Sheets (All Types) | dsgnlt | fdotseed2d.dgn | fdotmaster.dwt |
| 11 | Special Details | | JCDTLT## | default | Jacking Detail Sheet | open | fdotseed2d.dgn | fdotmaster.dwt |

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------------|----------|-----------|------------|---|--------|------------------------|------------------------|
| 9 | Special Details | | LUDTLT## | default | Luminaire & Foundation Detail Sheet (All Types) | dsgnlt | fdotseed2d.dgn | fdotmaster.dwt |
| 10 | Special Details | | SRPTLT## | default | Service Point Detail Sheets | open | fdotseed2d.dgn | fdotmaster.dwt |
| 3 | Summary Boxes / Tables | | CESSLT## | default | Summary of Pay Item Sheets | planrd | fdotseed2d.dgn | planrd.dwt |
| 6 | Summary Boxes / Tables | | PLDTLT## | default | Pole Data Sheets | open | fdotseed2d.dgn | planrd.dwt |
| 4 | Summary Boxes / Tables | | TABQLT## | default | Tabulation of Quantity Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |

4.13.5.2 AGI32 Lighting Software

AGI32 Lighting Software is the standard Lighting Design software used by the Department. However, using AGI32 is not required. Other Lighting design software available in the industry may be used for the Lighting Design. If AGI32 is not used, the Department’s Level/Symbology Standards must still be met to be compliant with CADD Standard Rules and Digital Delivery.

4.13.6 *Landscape Standards*

Landscape means any vegetation, mulches, irrigation systems and any site amenities, such as, street furniture, decorative paving, fences and lighting (excluding public utility streets and area lighting). Landscape plans may be a component set of plans (see Section 4.17 Roadway Standards), or be prepared independently.

The Department's Projects with minor Landscaping may include landscaping features on separate sheets in the Roadway Plans set or landscaping features may be detailed on the Roadway plans sheets.

When prepared as component plans, Landscape Plans will be assembled as a separate plan set complete with a key sheet, tabulation of quantities and all other relevant Landscape sheets. The sheets must be numbered consecutively with the sheet numbers prefixed by the letters "LD".

A complete set of Landscape plans may include the following:

1. Key Sheet
2. Tabulation of Quantities
3. Planting Sheets
4. Irrigation Layout
5. Details Sheet
6. Other relevant plan sheets as required Pay Items Notes, General Notes or Maintenance Notes and Schedules.

These sub-components should be listed on the Landscape Plans Key Sheet under the "Components of Contract Plan Sets" heading.

4.13.6.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ *Standard design file names should follow this format: AAAABB##.ext*

Where **AAAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

The following table defines the Landscaping File names with each file including sequential numbering. Standard model names are also provided.

The file types listed in the following table may be used by other disciplines, and the first four characters of the file name are consistent between disciplines, but the fifth and sixth characters vary to reflect the discipline name. Each discipline chapter details their Standard File Names. Standard Model names are also provided in the table, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Landscape Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------------------|----------|-----------|------------|--------------------------------------|--------|------------------------|------------------------|
| | Borders & Sheets | | BDPLD## | default | Border Referencing for Sheet Plan | planrd | fdotseed2d.dgn | |
| 7 | Borders & Sheets | | GNNTLD## | default | General Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 8 | Borders & Sheets | | PLANLD## | default | Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Borders & Sheets | | PLAYLD## | default | Project Layout Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPLD## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLD## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRLD## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Existing Topography | | TOPOLD## | default | Topography - Existing | topord | fdotseed2d.dgn | survey.dwt |
| 1 | Key Sheets | | KEYSLD## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| | Proposed Design | X | DSGNLD## | default | Proposed Landscape (Planting) Design | dsgnld | fdotseed2d.dgn | fdotmaster.dwt |
| 10 | Proposed Design | | HSDTLD## | default | Hardscape details | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Proposed Design | | IRRGLD## | default | Proposed Irrigation Design | irrgld | fdotseed2d.dgn | fdotmaster.dwt |
| 2 | Proposed Design | | SIGNLD## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| 5 | Proposed Design | | TMOTLD## | default | Technical Maintenance Plan | dsgnld | fdotseed2d.dgn | fdotmaster.dwt |
| 9 | Special Details | | DETLD## | default | Details | open | fdotseed2d.dgn | fdotmaster.dwt |
| 11 | Special Details | | GRDTLD## | default | Proposed Grading | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 3 | Summary Boxes / Tables | | CESSLD## | default | Summary of Pay Items | planrd | fdotseed2d.dgn | planrd.dwt |
| 4 | Summary Boxes / Tables | | TABQLD## | default | Tabulation of Quantity Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |

Note Hardscape Design files must use the same symbology standards as the Landscape Design file.

4.13.7 *Architectural Standards*

Architectural plans consist of all sheets pertaining to Architectural (Building) design, and their component plans. These plans may be comprised of any/all of:

- General Plans
- Hazardous Materials Plans
- Survey Plans (Following the Survey CADD Standards)
- Geotechnical Plans (Following the Geotechnical CADD Standards)
- Civil Plans (Following the Roadway CADD Standards)
- Landscape Plans (Following the Landscape CADD Standards)
- Structural Plans
- Architectural Plans
- Interior Plans
- Fire Protection Plans
- Plumbing Plans
- Mechanical Plans
- Electrical Plans

The bullets above represent an Architectural plan set on a Department Project where the building is the focal point of the project. Architectural (often referred to as “Building”) projects within the Right of Way typically do not include Survey, Civil, Geotechnical, or Landscape plans. These disciplines are normally included in the Roadway Plans. However, when present in the Architectural plans, the Department’s CADD Standards of the appropriate discipline must be used.

Bascule Bridge Control House Architectural plans are to be prepared using the Department’s Structures CADD Standards.

4.13.7.1 *Adopted CADD File Format*

The Department has adopted AutoCAD as the Standard platform format for Architectural projects. All CADD files for Architectural plan sets, including those disciplines within the building (i.e. plumbing, mechanical, electrical and structural) will be submitted in AutoCAD (.*dwg*) format. Plans outside the building envelope must follow the Department’s CADD Standard format for the discipline as defined in their respective Sections.

4.13.7.2 *Adopted CADD Standards*

The Department has adopted the National CAD Standards as the standard format for Building Projects. This Section is a synopsis of the National CAD Standards. More information can be found at:

National CAD Standard
National Institute of Building Sciences
1090 Vermont Ave., NW, Suite 700
Washington, D.C. 20005-4905
(202) 289-7800
Website: <http://www.nationalcadstandard.org/ncs6/>

National Cad Standard also includes chapters from the following organizations:

U.S.CADD/GIS Technology Center
US Army Engineer Research and Development Center
Attn: CEERD-ID (S. Spangler)
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Website: <http://www.erd.c.usace.army.mil/>

CAD Layer Guidelines
American Institute of Architects (AIA)
1735 New York Ave, NW
Washington, D.C. 20006
Website: www.aia.org

Uniform Drawing System (UDS)
Construction Specifications Institute
601 Madison Street
Alexandria, Va. 22314-1791
800-689-2900
Website: <http://www.csinet.org>

4.13.7.3 Architectural Projects

Architectural standards apply to the building and building related disciplines outlined in the following list of project types.

➤ **Building Projects:**

- Work Program Projects
 - Rest Areas
 - Weigh Stations
- Fixed-Capital Outlay (FCO) Projects
 - Office Buildings
 - Construction & Maintenance Facilities
 - Other 'Off Right Of Way (ROW)' Facilities

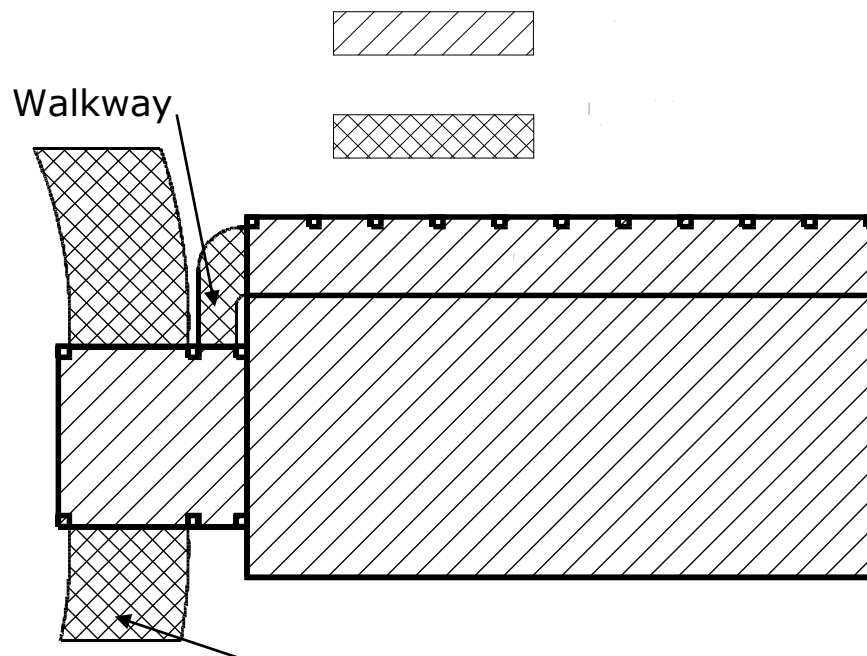
4.13.7.4 Delineation between Architectural & Engineering Plans

➤ **Delineation Line at ‘foot print’ of Building:**

- Face of Exterior Wall
- Area enclosed by buildings Columns and/or Walls; i.e. Porticos, Carports, covered Walkways and Covered Patios
- Roof and Building Overhangs

Use AutoCAD *inside* the Delineation Line. Items inside the Delineation Line Includes ‘Building-Oriented’ Facilities & Equipment that are typically designed by an Architect, including but not limited to, picnic shelters, planters which are part of the building and site furniture in covered areas.

CADD Delineation Example



Items outside the delineation or “foot print” of Building must be produced and submitted following the CADD standards for their discipline as defined in their respective chapters, including but not limited to:

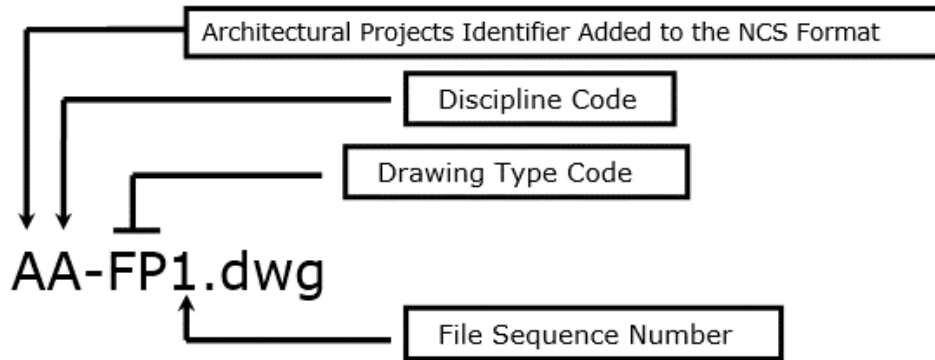
- Pavement
 - Driveways, Parking, Sidewalks
- Landscape Plans
- Site Utilities
 - Electrical, Water, Sanitary Sewer, Storm Sewer, Drainage
- Site Fencing and Walls

4.13.7.5 Standard File Names

AutoCAD files are 3D for large plans, elevations or sections that contain the physical building components (walls, doors, water piping, beams...). These files are drawn in Model Space at full scale. These files are referenced in whole or part into sheet files where text and dimensions are added, then printed.

➤ **Naming Components:**

- Architectural Projects Identifier
- Discipline Codes
- Drawing Type Codes (General and Discipline related)
- File Sequence Number



Note Architectural Projects Identifier: A _ _ _ .dwg
 Add "A" before Discipline Code as published in National CAD Standards. This distinguishes Building drawings from Roadway and Structures Plans.

Examples: Project Identifiers, Codes and File Sequence Numbers. For more detailed information refer to National CAD Standards.

• **Architectural Project Identifier**

A _ _ _ .dwg Architectural, this differentiates architectural building projects from bridges and roadway projects.

• **Discipline Code**

| | | |
|--------------|-------|--------------------------|
| _A- _ _ .dwg | ..... | Architectural |
| _C- _ _ .dwg | ..... | Civil |
| _Z- _ _ .dwg | ..... | Contractor/Shop Drawings |
| _Q- _ _ .dwg | ..... | Equipment |
| _E- _ _ .dwg | ..... | Electrical |
| _A- _ _ .dwg | ..... | Architectural |
| _C- _ _ .dwg | ..... | Civil |
| _Z- _ _ .dwg | ..... | Contractor/Shop Drawings |
| _Q- _ _ .dwg | ..... | Equipment |
| _M- _ _ .dwg | ..... | Mechanical |
| _X- _ _ .dwg | ..... | Other Disciplines |
| _P- _ _ .dwg | ..... | Plumbing |
| _D- _ _ .dwg | ..... | Process |
| _R- _ _ .dwg | ..... | Resources |
| _S- _ _ .dwg | ..... | Structural |
| _T- _ _ .dwg | ..... | Telecommunications |

- **Drawing Type Code** (*general and discipline related*)

| | |
|-----------------|----------------|
| --FP_.dwg | Floor Plan |
| --SP_.dwg | Site Plan |
| --DP_.dwg | Dimension Plan |
| --XP_.dwg | Existing Plan |
| --EL_.dwg | Elevation |
| --SC_.dwg | Section |
| --DT_.dwg | Detail |
| --CP_.dwg | Ceiling Plan |
| --EP_.dwg | Enlarged Plan |
| --NP_.dwg | Finish Plan |
| --RP_.dwg | Furniture Plan |
| --SH_.dwg | Schedules |
| --3D_.dwg | Isometric/3D |
| --DG_.dwg | Diagrams |

- **File Sequence Number**

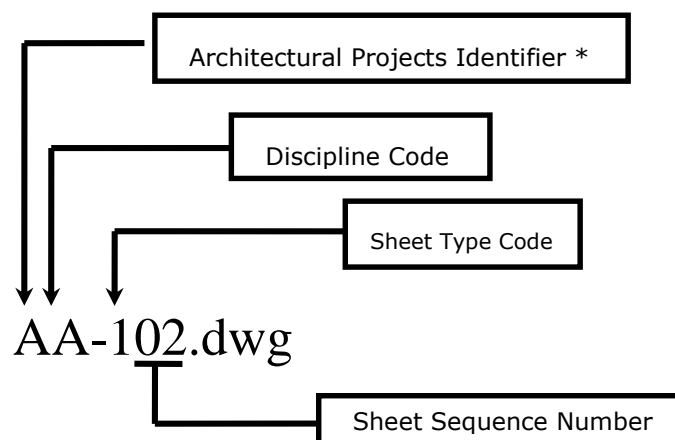
| | |
|-----------------|------------------------------|
| --_ 1.dwg | 1st drawing file in sequence |
| --_ 2.dwg | 2nd drawing file in sequence |
| --_ 3.dwg | 3rd drawing file in sequence |

4.13.7.6 Standard Sheet File Names

A sheet file is a border sheet with dimensions and/or text added to a portion of a referenced model space file. Plotted sheet files make up the plans set.

➤ **Naming Components**

- Architectural Projects Identifier
- Discipline Code
- Sheet Type Code
- Sheet Sequence Number



Examples: Project Identifiers, Codes and Sheet File Sequence Numbers. For more detailed information refer to National CAD Standards.

- **Architectural Project Identifier**

A _ _ _ .dwg.. Architectural, this differentiates Architectural building projects from bridges and Roadway projects.

- **Discipline Code**

| | |
|--------------------|--------------------------|
| _A- _ _ .dwg | Architectural |
| _C- _ _ .dwg | Civil |
| _Z- _ _ .dwg | Contractor/Shop Drawings |
| _Q- _ _ .dwg | Equipment |
| _E- _ _ .dwg | Electrical |
| _F- _ _ .dwg | Fire Protection |
| _G- _ _ .dwg | General |
| _B- _ _ .dwg | Geotechnical |
| _H- _ _ .dwg | Hazardous Materials |
| _I- _ _ .dwg | Interiors |
| _M- _ _ .dwg | Mechanical |
| _X- _ _ .dwg | Other Disciplines |
| _P- _ _ .dwg | Plumbing |
| _D- _ _ .dwg | Process |
| _R- _ _ .dwg | Resources |
| _S- _ _ .dwg | Structural |
| _T- _ _ .dwg | Telecommunications |

- **Drawing Type Code** (*general and discipline related*)

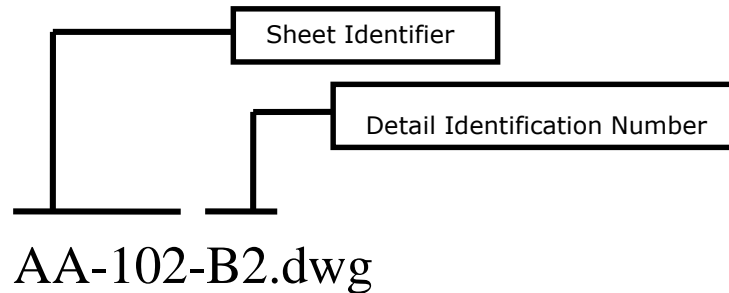
| | |
|-----------------------|--|
| _ _ -0 _ _ .dwg | General (symbols, legend, notes...) |
| _ _ -1 _ _ .dwg | Floor Plan |
| _ _ -2 _ _ .dwg | Elevation |
| _ _ -3 _ _ .dwg | Sections |
| _ _ -4 _ _ .dwg | Large Scale |
| _ _ -5 _ _ .dwg | Details |
| _ _ -6 _ _ .dwg | Schedules and Diagrams |
| _ _ -7 _ _ .dwg | User Defined |
| _ _ -8 _ _ .dwg | User Defined |
| _ _ -9 _ _ .dwg | 3D Views (isometrics, perspectives...) |

- **File Sequence Number**

| | |
|----------------------|-----------------------|
| _ _ - _ 01.dwg | 1st sheet in sequence |
| _ _ - _ 02.dwg | 2nd sheet in sequence |
| _ _ - _ 03.dwg | 3rd sheet in sequence |

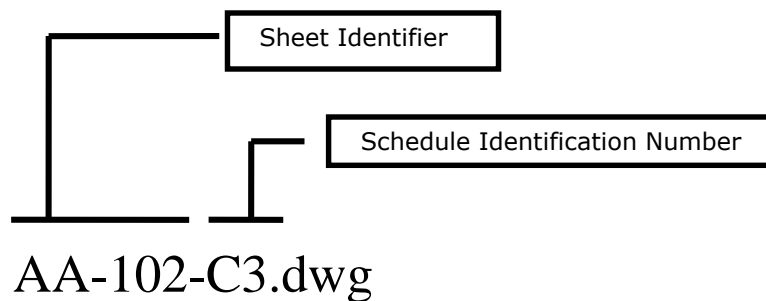
➤ **Detail File Name Format**

The Detail File Name includes the sheet identifier and the detail identification number. Sheet Identifier is the sheet file that the detail is placed in. The detail identification number represents the location of the detail within the sheet file border.



➤ **Schedule File Name Format**

The Schedule File Name includes the sheet identifier and the schedule identification number. Sheet Identifier is the sheet file that the detail is placed in. The detail identification number represents the location of the schedule within the sheet file border.



4.13.7.7 Engineering Data

The Architectural discipline folder contains an additional sub-folder named **\eng_data**. This sub-folder is designated to contain the sheet image files (PDF's) of the plan sheets for the Architecture design, quality control reports, ASCII Engineering Data output files and other data pertinent to the overall design.

4.13.7.8 Layers and Symbology

Refer to the National CAD Standards and Layer Symbology produced by the U.S.CADD/GIS Technology Center, US Army Engineer Research and Development Center for Symbology standards. These standards include space file names, sheet file names, detail file names, schedule file names, abbreviations, symbols, layers, linetypes, and text styles.

All drawings must be drawn at Full Scale 1:1 in Modelspace using Architectural Units. Text and dimensions should be added in Modelspace. The Titleblock Sheet should be in Paperspace and viewport scaled for scalable printing.

4.13.7.9 Architectural Scale Chart

The following chart is intended to aid the user in determining the appropriate scale for placing the border and text on a drawing based on the actual size of the drawing. Calculations are based on a 9 1/2" x 15 1/2" drawing area inside the border.

| Drawing Scales for Sheets | | | |
|---|------------|--------------------|------------|
| Note: Sheet files must be assembled in paper space & printed at 1:1 | | | |
| Architectural Scales | | Engineering Scales | |
| Drawing Scale | Plot Scale | Drawing Scale | Plot Scale |
| Full size | 1 | 1" = 5' | 60 |
| 6" = 1'-0" | 2 | 1" = 10' | 120 |
| 3" = 1'-0" | 4 | 1" = 20' | 240 |
| 1 1/2" = 1'-0" | 8 | 1" = 30' | 360 |
| 1" = 1'-0" | 12 | 1" = 40' | 480 |
| 3/4" = 1'-0" | 16 | 1" = 50' | 600 |
| 1/2" = 1'-0" | 24 | 1" = 100' | 1200 |
| 3/8" = 1'-0" | 32 | 1" = 200' | 2400 |
| 1/4" = 1'-0" | 48 | 1" = 500' | 6000 |
| 3/16" = 1'-0" | 64 | 1" = 1000' | 12000 |
| 1/8" = 1'-0" | 96 | 1" = 1250' | 15000 |
| 3/32" = 1'-0" | 128 | 1" = 2500' | 30000 |
| 1/16" = 1'-0" | 192 | 1" = 5000' | 60000 |

➤ **FORMULAS:**

AS = 12 x Drawing Scale, Ex. 1" = 10', then 12 x 10 = 120, Therefore AS = 120.

4.13.7.10 Text Type, Size and Line Weight

Use the following table to determine the appropriate line weight for each text height. Text line weights are applicable for text places in model and sheet files. Text heights in this chart are used for text in sheet files that are places in paper space.

| Text Type | Line Weight (In) All Scales | Height (In) 1:1 Scale |
|-------------------------|--------------------------------|--------------------------|
| Special Small/Revisions | 0.007 in | 3/32" |
| Annotation | 0.010 in | 1/8" |
| View/Sheet/Sect Titles | 0.014 in | 5/32" |
| Large | 0.020 in | 3/16" |

Note Sizes shown are a 1:1 ratio.

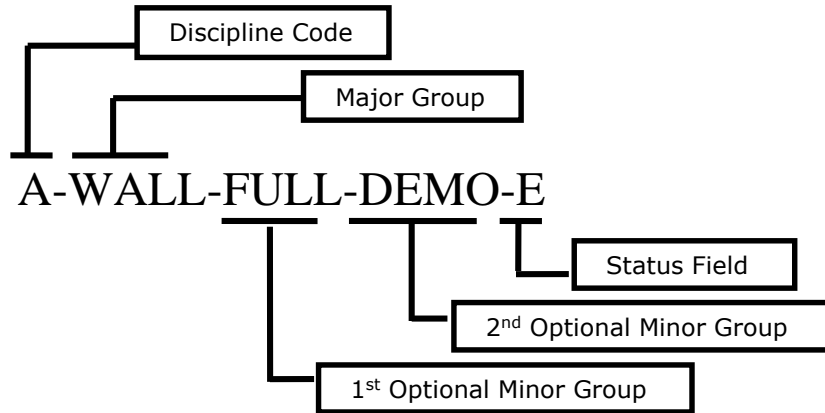
The following charts are intended to aid the user in determining the appropriate text size when placing common text. Scale for placing the border and text on a drawing based on the actual size of the drawing. Calculations are based on a 9 1/2" x 15 1/2" drawing area inside the border.

| Text Size for Sheets Using Architectural Scales | | | | |
|--|-----------|--------|--------|--------|
| <i>Note</i> For text placed in model files, text in paper space at 1:1 | | | | |
| Drawing Scale | Text Size | | | |
| | 3/32" | 1/8" | 5/32" | 3/16" |
| Full size | 3/32" | 1/8" | 5/32" | 3/16" |
| 6" = 1'-0" | 3/16" | 1/4" | 5/16" | 3/8" |
| 3" = 1'-0" | 3/8" | 1/2" | 5/8" | 3/4" |
| 1 1/2" = 1'-0" | 3/4" | 1" | 1 1/4" | 1 1/2" |
| 1" = 1'-0" | 1 1/8" | 1 1/2" | 1 7/8" | 2 1/4" |
| 3/4" = 1'-0" | 1 1/2" | 2" | 2 1/2" | 3" |
| 1/2" = 1'-0" | 2 1/4" | 3" | 3 3/4" | 4 1/2" |
| 3/8" = 1'-0" | 3" | 4" | 5" | 6" |
| 1/4" = 1'-0" | 4 1/2" | 6" | 7 1/2" | 9" |
| 3/16" = 1'-0" | 6" | 8" | 10" | 1' |
| 1/8" = 1'-0" | 9" | 1'-0" | 1'-3" | 1'-6" |
| 3/32" = 1'-0" | 1' | 1'-4" | 1'-8" | 2' |
| 1/16" = 1'-0" | 1'-6" | 2' | 2'-6" | 3' |

| Text Size for Sheets Using Engineering Scales | | | | |
|--|-------------|---------|-------------|-------------|
| <i>Note</i> For text placed in model files, text in paper space at 1:1 | | | | |
| Drawing Scale | Text Size | | | |
| | 3/32" | 1/8" | 5/32" | 3/16" |
| 1" = 5' | 5 5/8" | 7 1/2" | 9 3/8" | 11 1/4" |
| 1" = 10' | 11 1/4" | 1'-3" | 1'-6 3/4" | 1'-10 1/2" |
| 1" = 20' | 1'-10 1/2" | 2'-6" | 3'-1 1/2" | 3'-9" |
| 1" = 30' | 2'-9 3/4" | 3'-9" | 4'-8 1/4" | 5'-7 1/2" |
| 1" = 40' | 3'-9 1/2" | 5' | 6'-3" | 7'-6" |
| 1" = 50' | 4'-8 1/4" | 6'-3" | 7'-9 3/4" | 9'-4 1/2" |
| 1" = 100' | 9'-4 1/2" | 12'-6" | 15'-7 1/2" | 18'-9" |
| 1" = 200' | 18'-9" | 25' | 31'3" | 37'-6" |
| 1" = 500' | 46'-10 1/2" | 62'-6" | 78'-1 1/2" | 93'-9" |
| 1" = 1000' | 93'-9" | 125' | 156'-3" | 187'-6" |
| 1" = 1250' | 117'-2 1/4" | 156'-3" | 195'-3 3/4" | 234'-4 1/2" |
| 1" = 2500' | 234'-4 1/2" | 306'-6" | 390'-7 1/2" | 468'-9" |
| 1" = 5000' | 468'-9" | 625' | 781'-3" | 937'-6" |

4.13.7.11 Layer Names

All layer names must follow the format detailed in the National CAD Standards. Below is a brief description of the layer naming convention.



➤ *Examples: Codes, Groups and Fields*

- | | |
|--|---|
| <ul style="list-style-type: none"> • Discipline Code A-_____ Architectural E-_____ Electrical F-_____ Fire Protection M-_____ Mechanical ETC. • Major Group _WALL-_____ Walls _DOOR-_____ Doors _LITE-_____ Lighting fixtures _COLS-_____ Columns ETC. | <ul style="list-style-type: none"> • 1st Optional Minor Group _____FULL- Full height _____DIMS- Dimension ETC. • 2nd Optional Minor Group _____IDEN- Identification _____PATT- Pattern ETC. • Status Field _____N New work _____D Demolition _____T Temporary work _____F Future work ETC. |
|--|---|

4.13.7.12 File Structure

The DOT uses a specific folder structure for all digital submittals. (See Section 4.7.4)

4.13.7.13 Signing and Sealing

The Florida Department of Business and Professional Regulation (BPR) approved Architects to electronically sign and seal Plans and Specifications. Architects must use Digital Signature. See Chapter 5 for more information.

Helpful link: [Florida Statutes Part 1 ELECTRONIC SIGNATURES Chapters 668.001-668.006](http://www.flsos.com/Florida-Statutes-Part-1-ELECTRONIC-SIGNATURES-Chapters-668.001-668.006)

4.13.7.14 Submittal

As-Built Project CD shall include all files in the latest native version of CADD software the drawings were produced in along with a PDF set of prints and a complete set in AutoCAD DWG files.

Example: If the project CD was produced using Revit, the submittal will include all files in Revit RVT, AutoCAD DWG and a complete set of PDF files.

4.13.8 Structures Standards

The use and generation of CADD files by Structures in regards to the Department’s Projects must be in accordance with the general standards for all disciplines, unless superseded by instructions contained within this section.

The following table defines the resource files and features used for the FDOT Structures Workspace.

| Feature | Bentley | Autodesk |
|-------------------------------------|--|--|
| Color Table | Color.tbl | <i>Not Applicable</i> |
| Font Files | FDOT*.ttf | FDOT*.ttf |
| Level Definitions | Strslevels.dgnlib | StructuresTemplateDetail.dwt StructuresTemplatePlan.dwt |
| Main Cell/Block Library | TTF_V8Structures.cel | Structures.dwg |
| Models Allowed | Yes | <i>Not Applicable</i> |
| QC Rule | Spst10 | Spst10 |
| Seed/Template Files | StructuresSeed.dgn StructuresSeed3d.dgn | StructuresTemplateDetail.dwt StructuresTemplatePlan.dwt |
| Text / Dimension Styles Definitions | Strslevels.dgnlib | StructuresTemplateDetail.dwt StructuresTemplatePlan.dwt |

4.13.8.1 Standard File Names

The Department utilizes standard naming conventions for all of its CADD files and provides automated tools that depend on this naming convention. The naming convention confers data and information to the downstream customer.

➤ **Standard file names for Bridges should follow this format:** *B#AAAA...##.[ext]*

Where: **B#** = Bridge Plans Sequence Number, **AAAA...** = Abbreviated File Description, **##** = Sequence Number.

For Example: First EndBent sheet of Bridge 1 in a plan set would be named *B1EndBent01.dgn*

Files created by Structures remain in the \struct\ discipline folder, the sheet numbers must be prefixed with the target discipline’s sheet prefixes.

<http://www.fdot.gov/structures/StructuresManual/CurrentRelease/StructuresManual.shtm>

The Department delivers the **Create File/Project** applications within the CADD Software Suite to ensure files are named to Department CADD Standards.

Files containing Data Table cells (previously semi-standards) should be named *B#DataTable##.dgn* and should be placed in the plans with the corresponding component detail sheet. Files marked as Geotech are listed to show the order of placement within the Structures plans component only. All Geotech files should be located in the \Geotech\ discipline folder and should follow Geotechnical Standards listed in Section 4.13.13 of this document.

The table below defines the Department’s Structures standard file names; each must include sequence numbering. Sheet Order is the default, but is modifiable to suit project specific requirements.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule. See **Structures Detailing Manual** Volume 2, Chapter 3 for complete details on sheet numbering instructions.

Sheet Order reflects placement within the Structures Component of the Contract Plan Set.

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|--------------------------|--|--------------|-----------------------------------|------------------|----------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 1 | KeySheet* | Bridge Key Sheet ** | STRUCTURES | PLAN SHEETS | | |
| 2 | SIGNST* | Digital Signatures | STRUCTURES | PLAN SHEETS | | |
| 3 | B#Index* | Index of Sheets | STRUCTURES | PLAN SHEETS | B-## | *** |
| 4 | B#SumOfPayItems* | Summary of Pay Items Sheet (<i>For Structures as Lead Component Only Projects</i>) | STRUCTURES | PLAN SHEETS | B-##, ... | *** |
| 5 | B#SumOfQuantities* | Summary of Structures Quantities | STRUCTURES | PLAN SHEETS | B#-## | *** |
| 6 | B#GeneralNotes* | General Notes | STRUCTURES | PLAN SHEETS | B#-## | *** |
| 7 | B#SurfaceFinishDet* | Surface Finish Details | STRUCTURES | PLAN SHEETS | B1-##,B2-##, ... | *** |
| 8 | B#PlanElev* | Plan and Elevation | STRUCTURES | PLAN SHEETS | B1-##,B2-##, ... | *** |
| 9 | B#VertCurveSuperEL* | Profile Grade and Superelevation Transition | STRUCTURES | PLAN SHEETS | B1-##,B2-##, ... | *** |
| 10 | B#BridgeHydro* | Bridge Hydraulic Recommendations | STRUCTURES | PLAN SHEETS | B1-##,B2-##, ... | *** |
| 11 | B#Boring* | Report of Core Borings | GEOTECH | GEOTECHNICAL FOR STRUCTURES (DGN) | B1-##,B2-##, ... | *** |
| 12 | B#CPTGeo* | Cone Penetration Test (CPT) Soundings | GEOTECH | GEOTECHNICAL FOR STRUCTURES (DGN) | B1-##,B2-##, ... | *** |
| 13 | B#ConstNotes* | Construction Notes | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 14 | B#ConstDet* | Construction Details | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 15 | B#ConstSeq* | Construction Sequence | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 16 | B#ConstAcc* | Construction Access | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 17 | B#RemoveExist* | Removal of Existing Structures | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 18 | B#BridgeSection* | Section Through Bridge | STRUCTURES | MISCELLANEOUS | B1-##,B2-##, ... | *** |
| 19 | B#RiprapRubble* | Rubble Riprap | STRUCTURES | EROSION PROTECTION | B1-##,B2-##, ... | *** |
| 20 | B#RiprapSand* | Sand Cement Riprap | STRUCTURES | EROSION PROTECTION | B1-##,B2-##, ... | *** |
| 21 | B#SlopePavementConcrete* | Concrete Slope Pavement | STRUCTURES | EROSION PROTECTION | B1-##,B2-##, ... | *** |
| 22 | B#ScourPlan* | Plan View of Scour Protection | STRUCTURES | SCOUR PROTECTION PLAN | B1-##,B2-##, ... | SP-## |
| 23 | B#ScourProf* | Profile of Scour Protection | STRUCTURES | SCOUR PROTECTION PLAN | B1-##,B2-##, ... | SP-## |
| 24 | B#BotContourMap* | Bottom Contour Map | STRUCTURES | SCOUR PROTECTION PLAN | B1-##,B2-##, ... | SP-## |
| 25 | B#ScourDetail* | Scour Protection Details | STRUCTURES | SCOUR PROTECTION PLAN | B1-##,B2-##, ... | SP-## |
| 26 | B#FoundLay* | Foundation Layout | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 27 | B#PileData* | Pile Data Table | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 28 | B#PileDet* | Pile Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 29 | B#DrillShaft* | Drilled Shaft Data Table | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 30 | B#DrillShaftDet* | Drilled Shaft Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 31 | B#EndBent* | End Bent | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 32 | B#EndBentDet* | End Bent Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 33 | B#IntBent* | Intermediate Bent | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 34 | B#IntBentDet* | Intermediate Bent Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 35 | B#Footing* | Footing | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 36 | B#FootingDet* | Footing Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 37 | B#Pier* | Pier | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|----------------------|--|--------------|-----------------|------------------|----------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 38 | B#PierDet* | Pier Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 39 | B#PrecastPierDet* | Precast Pier Details | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 40 | B#PierCapSegDim* | Pier Cap Segment Dimensions | STRUCTURES | SUBSTRUCTURE | B1-##,B2-##, ... | *** |
| 41 | B#PTPierDet* | Pier Post-Tensioning (PT) Details | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 42 | B#BearingPads* | Neoprene Bearing Pads | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 43 | B#BearingPlates* | Beveled Bearing Plates | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 44 | B#PotBearingDet* | Pot Bearing Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 45 | B#DiscBearingDet* | Disc Bearing Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 46 | B#BearingDet* | Bearing Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 47 | B#BeamLay* | Beam Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 48 | B#BeamLayAASHTO* | AASHTO Beam Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 49 | B#BeamLayFIB* | Florida-I Beam (FIB) Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 50 | B#BeamLayFSB* | Florida Slab Beam (FSB) Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 51 | B#BeamLayBTB* | Bulb-T Beam Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 52 | B#BeamLayFUB* | Florida-U Beam (FUB) Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 53 | B#BeamLayITB* | Inverted T Beam Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 54 | B#BeamLayTB* | T Beam Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 55 | B#PrestSlab* | Prestressed Slab Units | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 56 | B#DataTableBeams* | (<i>Beam Name</i>)Table of Beam Variables | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 57 | B#TypicalSection* | Typical Section Through Bridge Deck | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 58 | B#FramingPlan* | Framing Plan | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 59 | B#SteelGirder* | Steel Girder | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 60 | B#SteelDet* | Steel Girder Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 61 | B#DiaphragmSteelDet* | Diaphragm Details (<i>w/ steel beams/girders</i>) | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 62 | B#CrossFrameDet* | Cross Frame Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 63 | B#Stiffener* | Stiffener Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 64 | B#FieldSplice* | Bolted Field Splice | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 65 | B#FieldSpliceDet* | Bolted Field Splice Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 66 | B#FloorBeam* | Floor Beams | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 67 | B#Camber* | Camber Diagrams | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 68 | B#Superst* | Superstructure | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 69 | B#SuperstDet* | Superstructure Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 70 | B#ClosureJointDet* | Closure Joint Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 71 | B#DiaphragmConcDet* | Diaphragm Details (<i>w/ concrete beams/girders</i>) | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 72 | B#SegLayout* | Segment Layout | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 73 | B#SegJointCoord* | Segment Joint Coordinates | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 74 | B#TypSegDim* | Typical Segment Dimensions | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 75 | B#TypSegDet* | Typical Segment Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 76 | B#TypSegReinf* | Typical Segment Reinforcing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 77 | B#DevSegDim* | Deviation Segment Dimensions | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 78 | B#DevSegDet* | Deviation Segment Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 79 | B#DevSegReinf* | Deviation Segment Reinforcing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 80 | B#PierSegDim* | Pier Segment Dimensions | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 81 | B#PierSegDet* | Pier Segment Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 82 | B#PierSegReinf* | Pier Segment Reinforcing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 83 | B#AbutSegDim* | Abutment Segment Dimensions | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|-------------------------|---|--------------|------------------|------------------|----------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 84 | B#AbutSegDet* | Abutment Segment Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 85 | B#AbutSegReinf* | Abutment Segment Reinforcing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 86 | B#ExpJointSegDim* | Expansion Joint Segment Dimensions | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 87 | B#ExpJointSegDet* | Expansion Joint Segment Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 88 | B#ExpJointSegReinf* | Expansion Joint Segment Reinforcing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 89 | B#ClosurePourDet* | Closure Pour Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 90 | B#ClosurePourReinf* | Closure Pour Reinforcing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 91 | B#PTTendLayLong* | Longitudinal Post-Tensioning (PT) Tendon Layout | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 92 | B#PTTendLayCont* | Continuity Post-Tensioning (PT) Tendon Layout | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 93 | B#PTTendLayFuture* | Future Post-Tensioning (PT) Tendon Layout | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 94 | B#PTDet* | Post-Tensioning (PT) Details | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 95 | B#PTTransPierSegDet* | Pier Segment Transverse Post-Tensioning (PT) Details | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 96 | B#PTTransAbutSegDet* | Abutment Segment Transverse Post-Tensioning (PT) Details | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 97 | B#PTTransExpJtSegDet* | Expansion Joint Segment Transverse Post-Tensioning (PT) Details | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 98 | B#PTTransDet* | Transverse Post-Tensioning (PT) Details | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 99 | B#PTConstSeq* | Construction Sequence Post-Tensioning (PT) | STRUCTURES | POST-TENSIONING | B1-##,B2-##, ... | *** |
| 100 | B#ErectSeq* | Erection Sequence | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 101 | B#ErectProc* | Erection Procedure for Launching Girder | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 102 | B#AccessHatch* | Access Hatch Assembly | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 103 | B#AccessDoor* | Access Door Assembly | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 104 | B#MaintLight* | Maintenance Lighting Plan | STRUCTURES | LIGHTING | B1-##,B2-##, ... | *** |
| 105 | B#MaintLightDet* | Maintenance Lighting Details | STRUCTURES | LIGHTING | B1-##,B2-##, ... | *** |
| 106 | B#FinishGrEL* | Finish Grade Elevations | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 107 | B#ExpJointDet* | Expansion Joint Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 108 | B#DrainDet* | Drain Details | STRUCTURES | DETAILS | B1-##,B2-##, ... | *** |
| 109 | B#SidewalkDet* | Sidewalk Details | STRUCTURES | DETAILS | B1-##,B2-##, ... | *** |
| 110 | B#TrafficRailing* | Traffic Railing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 111 | B#PedRailing* | Pedestrian Railing | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 112 | B#SlidingPlate* | Traffic / Pedestrian Railing Sliding Plate Assembly | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 113 | B#ConduitDet* | Conduit Details | STRUCTURES | DETAILS | B1-##,B2-##, ... | *** |
| 114 | B#JunctBoxDet* | Junction Box Details | STRUCTURES | DETAILS | B1-##,B2-##, ... | *** |
| 115 | B#LadderDet* | Ladder Details | STRUCTURES | DETAILS | B1-##,B2-##, ... | *** |
| 116 | B#JackingDet* | Jacking Details | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 117 | B#MiscDet* | Miscellaneous Details | STRUCTURES | DETAILS | B1-##,B2-##, ... | *** |
| 118 | B#FenderSystem* | Fender System | STRUCTURES | FENDERS | B1-##,B2-##, ... | *** |
| 119 | B#FenderDet* | Fender System Details | STRUCTURES | FENDERS | B1-##,B2-##, ... | *** |
| 120 | B#ApproachSlab* | Approach Slab | STRUCTURES | SUPERSTRUCTURE | B1-##,B2-##, ... | *** |
| 121 | B#TempDetourPlanElev* | Temporary Detour Bridge Plan and Elevation | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 122 | B#TempDetourFoundLay* | Temporary Detour Bridge Foundation Layout | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 123 | B#TempDetourPileData* | Temporary Detour Bridge Pile Data Table | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 124 | B#TempDetourPileDet* | Temporary Detour Bridge Pile Details | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 125 | B#TempDetourEndBent* | Temporary Detour Bridge End Bent | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 126 | B#TempDetourEndBentDet* | Temporary Detour Bridge End Bent Details | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|-------------------------|---|--------------|---|------------------|----------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 127 | B#TempDetourIntBent* | Temporary Detour Bridge Intermediate Bent | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 128 | B#TempDetourIntBentDet* | Temporary Detour Bridge Intermediate Bent Details | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 129 | B#TempDetourDet* | Temporary Detour Bridge Details | STRUCTURES | TEMPORARY DETOUR | B1-##,B2-##, ... | *** |
| 130 | B#LTPileProgSum* | Pile Load Test Program Summary | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 131 | B#LTDriIIShaftSum* | Drilled Shaft Load Test Program Summary | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 132 | B#LTLateralProgSum* | Lateral Load Test Program Summary | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 133 | B#LTPileDet* | Pile Load Test Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 134 | B#LTDriIIShaftDet* | Drilled Shaft Load Test Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 135 | B#LTOsterbergCellDet* | Osterberg Cell Load Test Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 136 | B#LTLateralDet* | Lateral Load Test Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 137 | B#LTDet* | Load Test Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 138 | B#InstruDet* | Instrumentation Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | *** |
| 139 | B#CompTestSetup* | Compression Test Setup | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | *** |
| 140 | B#TensionTestSetup* | Tension Test Setup | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 141 | B#LTFrame* | Load Test Frame Configuration | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 142 | B#LTGirderBraceDet* | Load Test Reaction Girder Bracing Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 143 | B#LTGirderDet* | Load Test Reaction Girder Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 144 | B#PlatformDet* | Service Platform Deck and Frame Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | *** |
| 145 | B#LTStatnamicDet* | Statnamic Load Test Details | STRUCTURES | LOAD TESTING | B1-##,B2-##, ... | LT-## |
| 146 | B#BP-Notes* | Bascule Pier Notes | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 147 | B#BL-Elevation* | Bascule Span Elevation | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BP-## |
| 148 | B#BP-PlanViewsX* | Bascule Pier X - AA (X = Pier Number) (AA = Footing Level Plan, Pit Level Plan, Machinery Level Plan, Trunnion Level Plan, Roadway Level Plan) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 149 | B#BP-ElevationsX* | Bascule Pier X - BB (X = Pier Number) (BB = East Elevation, West Elevation, North Elevation, South Elevation) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 150 | B#BP-FinishGradeX* | Bascule Pier X Finish Grade Elevations (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 151 | B#BP-TransSectX* | Bascule Pier X Transverse Sections (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 152 | B#BP-LongSectX* | Bascule Pier X Longitudinal Sections (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 153 | B#BP-ClearDiagramX* | Bascule Pier X Clearance Diagram (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 154 | B#BP-RailDetX* | Bascule Pier X Railing Details (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 155 | B#BP-StairDetX* | Bascule Pier X Stair Details (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 156 | B#BP-PierDetX* | Bascule Pier X Details (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 157 | B#BP-ReinfPlansX* | Bascule Pier X Reinforcing - AA (X = Pier Number) (AA = Footing Level Plan, Pit Level Plan, Machinery Level Plan, Trunnion Level Plan, Roadway Level Plan) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|------------------------|---|--------------|---|------------------|----------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 158 | B#BP-ReinfElevationsX* | Bascule Pier X Reinforcing - BB (X = Pier Number)(BB = East Elevation, West Elevation, North Elevation, South Elevation) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 159 | B#BP-ReinfTransSectX* | Bascule Pier X Reinforcing Transverse Sections (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 160 | B#BP-ReinfLongSectX* | Bascule Pier X Reinforcing Longitudinal Sections (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 161 | B#BP-ReinfDetX* | Bascule Pier X Reinforcing Details (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 162 | B#BP-RebarListX* | Bascule Pier X Reinforcing Bar List (X = Pier Number) | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Pier | B1-##,B2-##, ... | BP-## |
| 163 | B#BT-Notes* | Control House Notes | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 164 | B#BT-PlanViews* | Control House - AA (AA = Foundation Level Plan and Reinforcement, Trunnion Level Plan and Reinforcement, Entry Level Plan and Reinforcement, Tender Level Plan and Reinforcement, Roof Level and Framing Plan) | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 165 | B#BT-Elevations* | Control House - BB (BB = East Elevation and Reinforcement, West Elevation and Reinforcement, North Elevation and Reinforcement, South Elevation and Reinforcement) | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 166 | B#BT-Sections* | Control House Sections and Reinforcement | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 167 | B#BT-Details* | Control House Details | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 168 | B#BT-StairDet* | Control House Stair Details | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 169 | B#BT-HVACPlumb* | Control House Heating, Ventilation & Air Conditioning (HVAC) and Plumbing Floor Plans | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 170 | B#BT-PlumbSchem* | Control House Plumbing Schematic | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 171 | B#BT-HVACSchem* | Control House Heating, Ventilation & Air Conditioning (HVAC) Schematic | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 172 | B#BT-HVACPlumbDet* | Control House Heating, Ventilation & Air Conditioning (HVAC) and Plumbing Details | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 173 | B#BT-RebarList* | Control House Reinforcing Bar List | MECHELEC | MOVABLE BRIDGE - ARCHITECTURAL | B1-##,B2-##, ... | BT-## |
| 174 | B#BL-Notes* | Bascule Span Notes | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 175 | B#BL-FramingPlan* | Bascule Span Framing Plan | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 176 | B#BL-TransSect* | Bascule Span Transverse Sections | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 177 | B#BL-GirderElev* | Bascule Span Main Girder Elevation | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 178 | B#BL-GirderSectDet* | Bascule Span Main Girder Sections and Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 179 | B#BL-WebGeoCamberDet* | Bascule Span Web Geometry and Camber Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 180 | B#BL-ForceDiag* | Bascule Span Force Diagrams | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 181 | B#BL-FloorBeamDet* | Bascule Span Floor Beam Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 182 | B#BL-CountBoxDet* | Bascule Span Counterweight Box Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 183 | B#BL-CountPlan* | Bascule Span Counterweight Plan | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 184 | B#BL-CountSections* | Bascule Span Counterweight Sections | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 185 | B#BL-LatBracPlan* | Bascule Span Lateral Bracing Plan | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 186 | B#BL-LatBracDet* | Bascule Span Lateral Bracing Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 187 | B#BL-DeckPanelLay* | Bascule Span Deck Panel Layout | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |
| 188 | B#BL-DeckPanelDet* | Bascule Span Deck Panel Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Bascular Span | B1-##,B2-##, ... | BL-## |

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|-----------------------|---|--------------|---|------------------|----------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 189 | B#BL-DeckPlan* | Basculer Span Deck Plan | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 190 | B#BL-DeckSectDet* | Basculer Span Deck Sections and Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 191 | B#BL-ArmJointLay* | Basculer Span Armored Joint Plan Layout | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 192 | B#BL-ArmJointDet* | Basculer Span Armored Joint Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 193 | B#BL-LLShoeAssem* | Basculer Span Live Load (LL) Shoe Assembly | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 194 | B#BL-CentDev* | Basculer Span Centering Device | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 195 | B#BL-LockBarHseDet* | Basculer Span Lock Bar Housing Details | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 196 | B#BL-BalPlan* | Basculer Span Balance Plan | MECHELEC | MOVABLE BRIDGE – STRUCTURAL – Basculer Span | B1-##,B2-##, ... | BL-## |
| 197 | B#Mech-Notes* | Machinery Notes | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 198 | B#Mech-BLMachSys* | Basculer Span Machinery Systems | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 199 | B#Mech-SDMachPlan* | Span Drive Machinery Plan | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 200 | B#Mech-SDMachElev* | Span Drive Machinery Elevation | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 201 | B#Mech-SDMachElevDet* | Span Drive Machinery Elevation Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 202 | B#Mech-SDMachTable* | Span Drive Machinery Tables | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 203 | B#Mech-DiffLock* | Differential Lock Out Mechanism Assembly and Floating Shaft | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 204 | B#Mech-DiffLockDet* | Differential Lock Out Mechanism Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 205 | B#Mech-SDMachSuppDet* | Span Drive Machinery Support Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 206 | B#Mech-RackPinion* | Rack/Pinion and Trunnion Assembly | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 207 | B#Mech-RackDet* | Rack Assembly Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 208 | B#Mech-PinionDet* | Pinion Assembly Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 209 | B#Mech-TrunAssemDet* | Trunnion Assembly Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 210 | B#Mech-SLimSwitchDet* | Span Limit Switch Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 211 | B#Mech-SLockAssemb* | Span Lock Assembly | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 212 | B#Mech-SLockDet* | Span Lock Details | MECHELEC | MOVABLE BRIDGE - MECHANICAL | B1-##,B2-##, ... | BM-## |
| 213 | B#Elec-Notes* | Electrical Notes | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 214 | B#Elec-PlanElev* | Electrical Plan and Elevation | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 215 | B#Elec-Abbrev* | Electrical Abbreviations | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 216 | B#Elec-Legend* | Electrical Legend | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 217 | B#Elec-OneLineDia* | One Line Diagram | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 218 | B#Elec-LightPanSched* | Lighting Panel Schedule | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 219 | B#Elec-LightPanCirc* | Lighting Panel Circuits | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 220 | B#Elec-BTFloorPlan* | Control House Floor Plans | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 221 | B#Elec-BPElectLay* | Basculer Pier Electrical Layout | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 222 | B#Elec-BPRefCeilPlan* | Basculer Pier Reflected Ceiling Plans | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 223 | B#Elec-MCCLay* | Motor Control Center (MCC) Layout | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 224 | B#Elec-DriveCabDet* | Drive Cabinet Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 225 | B#Elec-CtlDeskLay* | Control Desk Layout | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 226 | B#Elec-CtlDeskDet* | Control Desk Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 227 | B#Elec-CtlCabDet* | Control Cabinet Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 228 | B#Elec-CtlSysArchDi* | Control System Architectural Diagram | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 229 | B#Elec-OperSeqFlow* | Operating Sequence Flowchart | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 230 | B#Elec-CtlSchem* | Control Schematics | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 231 | B#Elec-NavLight* | Navigational Lighting | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 232 | B#Elec-TrafficConDet* | Traffic Control Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 233 | B#Elec-FireAlarm* | Fire Alarm System | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |

| Structures Plans Naming Convention and Numbering Convention | | | | | | |
|---|---------------------------|---|--------------|-----------------------------------|-------------------|------------------------|
| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
| * - Design Format ** - Lead or Component Key Sheet *** - Optional ## - Sheet Sequence Number | | | | | | |
| 234 | B#Elec-CCTVSys* | Closed Circuit Television (CCTV) System | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 235 | B#Elec-CommSys* | Communication System | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 236 | B#Elec-LighProtSyst* | Lightning Protection System | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 237 | B#Elec-GeneratorDet* | Generator Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 238 | B#Elec-SubCondDet* | Submarine Conduit Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 239 | B#Elec-FlexCableDet* | Flexible Cable Details | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 240 | B#Elec-CondSchem* | Conduit Schematic | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 241 | B#Elec-CondConductSched* | Conduit and Conductor Schedule | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 242 | B#Elec-BTReflCeil* | Control House Reflected Ceiling Plans | MECHELEC | MOVABLE BRIDGE - ELECTRICAL | B1-##,B2-##, ... | BE-## |
| 243 | B#PedBridgeDataTable* | Pedestrian Bridge Data | STRUCTURES | TABLES | BP-1, BP-2, BP-## | *** |
| 244 | B#RebarList* | Reinforcing Bar List | STRUCTURES | CONSTRUCTION | B1-##,B2-##, ... | *** |
| 245 | B#DataTableLoadRating* | Load Rating Summary Table | STRUCTURES | TABLES | B1-##,B2-##, ... | *** |
| 246 | B#WallControl* | Wall Control Drawing | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 247 | B#Bulkhead* | Bulkhead | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 248 | B#BulkheadDet* | Bulkhead Details | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 249 | B#SheetPileWallAnchSteel* | Anchored Steel Sheet Pile Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 250 | B#SheetPileWallAnchConc* | Anchored Concrete Sheet Pile Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 251 | B#SheetPileWallCantSteel* | Cantilever Steel Sheet Pile Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 252 | B#SheetPileWallCantConc* | Cantilever Concrete Sheet Pile Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 253 | B#SheetPileWall* | Sheet Pile Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 254 | B#MSEWall* | Mechanically Stabilized Earth (MSE) Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 255 | B#RetainingWall* | Retaining Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 256 | B#MSEWallGEO* | Mechanically Stabilized Earth (MSE) Wall Standard Penetration Test (SPT) Borings | GEOTECH | GEOTECHNICAL FOR STRUCTURES (DGN) | BW-## | W1-##,W2-##, ... |
| 257 | B#RetainingWallGEO* | Retaining Wall Standard Penetration Test (SPT) Borings | GEOTECH | GEOTECHNICAL FOR STRUCTURES (DGN) | BW-## | W1-##,W2-##, ... |
| 258 | B#SheetPileWallGEO* | Sheet Pile Wall Standard Penetration Test (SPT) Borings | GEOTECH | GEOTECHNICAL FOR STRUCTURES (DGN) | BW-## | W1-##,W2-##, ... |
| 259 | B#NoiseWall* | Noise Wall | STRUCTURES | WALLS | BW-## | SB1-##, SB2-##, ... |
| 260 | B#NoiseWallGEO* | Noise Wall Standard Penetration Test (SPT) Borings | GEOTECH | GEOTECHNICAL FOR STRUCTURES (DGN) | BW-## | SB1-##, SB2-##, ... |
| 261 | B#CrashWall* | Crash Wall | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 262 | B#RebarListWall* | Reinforcing Bar List (<i>Wall/bulkhead related</i>) | STRUCTURES | WALLS | BW-## | W1-##,W2-##, ... |
| 263 | B#MiscStr* | Miscellaneous Structure | STRUCTURES | MISCELLANEOUS | B-## | *** |
| 264 | B#MiscStrCivl* | Box Culvert | STRUCTURES | MISCELLANEOUS | B-## | *** |
| | StrBorder* | Referencing Structures Borders | STRUCTURES | PLAN SHEETS | | |

➤ **Non-Bridge Related Filenames:**

Create the following non-bridge related files in the Structures workspace using Structures seed files. Include mast arm and overhead sign structure sheets in the Roadway plans. Include the sheets for all other listed items in the Roadway plans when no Structures plans are present.

| Sheet Order | File Name | File Title / Description | Control File | File Group | Sheet Prefix | Drawing Prefix |
|-------------|---------------------------|--|--------------|---|--------------|--------------------|
| a1 | WallControl* | Wall Control Drawing (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a2 | Bulkhead* | Bulkhead (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a3 | BulkheadDet* | Bulkhead Details (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a4 | SheetPileWallAnchSteel* | Anchored Steel Sheet Pile Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a5 | SheetPileWallAnchConc* | Anchored Concrete Sheet Pile Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a6 | SheetPileWallCantSteel* | Cantilever Steel Sheet Pile Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a7 | SheetPileWallCantConc* | Cantilever Concrete Sheet Pile Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a8 | SheetPileWall* | Sheet Pile Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a9 | MSEWall* | Mechanically Stabilized Earth (MSE) Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a10 | RetainingWall* | Retaining Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a11 | MSEWallGEO* | Mechanically Stabilized Earth (MSE) Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | GEOTECH | GEOTECHNICAL (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a12 | RetainingWallGEO* | Retaining Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | GEOTECH | GEOTECHNICAL (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a13 | SheetPileWallGEO* | Sheet Pile Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | GEOTECH | GEOTECHNICAL (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a14 | NoiseWall* | Noise Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | SB1-##,SB2-##, ... |
| a15 | NoiseWallGEO* | Noise Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | GEOTECH | GEOTECHNICAL (<i>Non-Bridge Related</i>) | None | SB1-##,SB2-##, ... |
| A16 | ConePTGEO* | Cone Penetration Test (CPT) Soundings (<i>Non-Bridge Related</i>) | GEOTECH | GEOTECHNICAL (<i>Non-Bridge Related</i>) | None | SB1-##,SB2-##, ... |
| a17 | CrashWall* | Crash Wall (<i>Non-Bridge Related</i>) | STRUCTURES | WALLS (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a18 | RebarList* | Reinforcing Bar List (<i>Non-Bridge Related</i>) | STRUCTURES | CONSTRUCTION (<i>Non-Bridge Related</i>) | None | W1-##,W2-##, ... |
| a19 | MiscStr* | Miscellaneous Structure (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a20 | MiscStrClvt* | Culvert (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a21 | StandardMastArmDataTable* | Standard Mast Arm Assemblies Data Table (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a22 | SpecialMastArmDataTable* | Special Mast Arm Assemblies Data Table (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a23 | MastArmTab* | Mast Arm Tabulation (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a24 | MiscStrMastArm* | Mast Arm Assemblies (<i>Non-standard</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a25 | MiscStrHighMast* | High Mast Light Poles (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a26 | SignStructCant* | Cantilever Sign Structures Data Table (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a27 | SignStructSpan* | Span Sign Structures Data Table (<i>Non-Bridge Related</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |
| a28 | MiscStrOHSign* | Overhead Sign Structures (<i>Non-standard</i>) | STRUCTURES | MISCELLANEOUS (<i>Non-Bridge Related</i>) | | |

4.13.8.2 Resource Files

Files created for the Structures discipline must use the resource files included with the Department’s CADD Software packages. All files created for Structures Plans sheets must be created from the supplied Structures Seed or Template files. The Structures Seed/Template files for the FDOT Structures Workspace differs from other Seed files in both working units and unit labeling.

The *StrLevels.dgnlib* library file contains the definitions for Levels, Text, & Dimension styles in MicroStation.

The *StructuresTemplateDetail.dwt* and *StructuresTemplatePlan.dwt* template files contain the definitions Levels, Text, & Dimension Styles in AutoCAD.

Note For V8 format MicroStation files, working units DO NOT define design plane size, only the method of measurement. Therefore, the design plane is the same size for all seed files.

4.13.8.3 Engineering Data

Engineering Data to be delivered with each project must be located in the `\eng_data\` folder and include:

- ASCII files containing Q/C reports
- All computer input and output files used in the design (in native file formats for the software used and printed to PDF format)
- All supplemental design hand design calculations (scanned and saved in PDF or TIFF file formats)

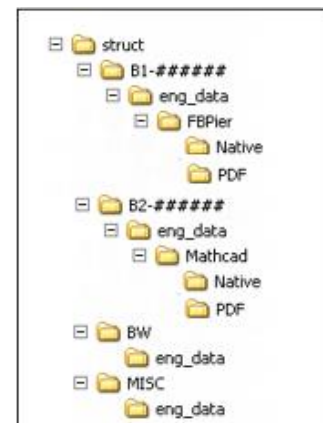
Under the project `\struct\` folder, create separate sub-folders for each bridge and/or structure in the project. Name these sub-folders using the sheet prefix and bridge numbers (when applicable) and locate the MicroStation design files for each bridge under these sub-folders. (e.g...`\struct\B\`; `\struct\B1-#####\`)

Under each bridge and/or structure sub-folder, create an `\eng_data\` sub-folder for the Engineering Data related to the design of the project. (e.g...`\struct\B\eng_data\`; `\struct\B1-#####\eng_data\`). Computer input and output files include files used for all aspects of bridge, retaining wall, and/or miscellaneous structures design. These include, but are not limited to, files generated from the following computer programs:

- | | |
|----------------------------|-----------------|
| • FDOT Structural Software | • FBPIer |
| • GTStrudl | • LEAP Software |
| • STADD | • BD2 |
| • RISA | • MDX |
| • Mathcad Spreadsheets | • BC |
| • Excel Spreadsheets | • Adapt |

Under each of the `\eng_data\` sub-folders for each bridge and/or structure in the project, create subfolders for the applicable programs with two sub-folders: `\PDF\` and `\Native\`. Place the appropriate input and output files in each sub-folder. Only sign and seal these PDF files when required by Contract.

Note For quantity calculations see Section 4.7.2.1.



4.13.8.4 Level and Symbology Standards

For the MicroStation FDOT Structures Workspace, element Level/Symbology Standards are defined in the *StrLevels.dgnlib* Structures Level Library and must be selected from the MicroStation level picker. Each level contains a defined color, line weight, line style, and print property. Color must remain set to BYLEVEL (*except where indicated with ** in the table below*), line weight & line style may be modified as needed.

For AutoCAD, FDOT Structures object Layer Property Standards are defined in the *StructuresTemplateDetail.dwt* and *StructuresTemplatePlan.dwt* template files and must be selected from the AutoCAD layer selector. Each layer contains a defined color, line weight, linetype, and print property. Color must remain set to ByLayer (*except where indicated with ** in the table below*), line weight & line style may be modified as needed. User created Levels ARE NOT acceptable. If additional Levels/Layers are needed, contact the Structures Design Office. The Level named “Default” (in MicroStation) or Layer 0 (in AutoCAD) is not QC compliant and is not to be used for drawing elements. If a discrepancy occurs, the *StrLevels.dgnlib* Structures Level Library or *StructuresTemplate* file supersedes the symbology table on the following pages.

4.13.8.5 Borders and Scales

➤ **Borders:**

Draw all elements at "Full Size" completely before placing text or dimensions. Sheets that reside in the Structures Component of the plan set must use the Structures Border cell “Sheet-Border”. Sheets requiring Structures design that reside within other discipline components of the plan set (Roadway, Lighting, etcetera) must use the Border Roadway w/Initials cell “Sheet-Rdwy”.

Show the scale of the drawing and related details inside the display area of the file, but outside of the Sheet Border area. This is helpful to all users who work on the file.

➤ **Scales:**

The following chart is intended to aid the user in determining the appropriate scale for placing the border and text on a drawing based on the actual size of the drawing. Calculations are based on a 9.60" x 15.40" drawing area inside the border.

• Architect’s Scales

| Drawing Scale | Active Scale (AS) | Height (FT.) | Width (FT.) |
|---------------|-------------------|--------------|-------------|
| 1/16" = 1' | 192 | 153.59 | 246.39 |
| 3/32" = 1' | 128 | 102.40 | 164.26 |
| 1/8" = 1' | 96 | 76.80 | 123.20 |
| 3/16" = 1' | 64 | 51.20 | 82.13 |
| 1/4" = 1' | 48 | 38.40 | 61.60 |
| 3/8" = 1' | 32 | 25.60 | 41.07 |
| 1/2" = 1' | 24 | 19.20 | 30.80 |
| 3/4" = 1' | 16 | 12.80 | 20.53 |
| 1" = 1' | 12 | 9.60 | 15.40 |
| 1 1/2" = 1' | 8 | 6.40 | 10.27 |
| 3" = 1' | 4 | 3.20 | 5.13 |
| 6" = 1' | 2 | 1.60 | 2.57 |
| 1 = 1 | 1 | .80 | 1.28 |

• FORMULAS: Architect’s Scale:

AS = 12 / Drawing Scale (Ex. 1/4" = .25in., then 12/.25 = 48, Therefore AS = 48)

W = Sheet Width (in.) / Drawing Scale (Ex. 1/4" = .25in., then 15.36/.25 = 61.44, Therefore W = 61.44)

H = Sheet Height (in.) / Drawing Scale (Ex. 1/4" = .25in., then 9.72/.25 = 38.88, Therefore H = 38.88)

- **Engineer's Scales**

| Drawing Scale | Active Scale (AS) | Height (FT.) | Width (FT.) |
|----------------------|--------------------------|---------------------|--------------------|
| 1" = 500' | 6000 | 4799.81 | 7699.69 |
| 1" = 400' | 4800 | 3839.85 | 6159.75 |
| 1" = 300' | 3600 | 2879.88 | 4619.82 |
| 1" = 250' | 3000 | 2399.90 | 3849.85 |
| 1" = 200' | 2400 | 1919.92 | 3079.88 |
| 1" = 150' | 1800 | 1439.94 | 2309.91 |
| 1" = 120' | 1440 | 1161.95 | 1847.93 |
| 1" = 100' | 1200 | 959.96 | 1539.94 |
| 1" = 80' | 960 | 767.97 | 1231.95 |
| 1" = 60' | 720 | 575.98 | 923.96 |
| 1" = 50' | 600 | 479.98 | 769.97 |
| 1" = 40' | 480 | 383.98 | 615.98 |
| 1" = 30' | 360 | 287.99 | 461.98 |
| 1" = 20' | 240 | 191.99 | 307.99 |
| 1" = 15' | 180 | 143.99 | 230.99 |
| 1" = 10' | 120 | 96.00 | 153.99 |

- **FORMULAS: Engineer's Scale:**

AS = 12 x Drawing Scale *(Ex. 1"=500', then 12 x 500 = 6000, Therefore AS = 6000)*

W = Sheet Width (in.) x Drawing Scale *(Ex. 1"=500', then 15.36 x 500 = 7680, Therefore W = 7680)*

H = Sheet Height (in.) x Drawing Scale *(Ex. 1"=500', then 9.72 x 500 = 4860, Therefore H = 4860)*

4.13.8.6 Text Sizes and Weights

The standard annotation text size for structures drawings is .0063' on a printed sheet. Standard text sizes are provided as custom text styles delivered either via the StrsLevels.dgnlib (MicroStation) or Structures Template (AutoCAD) files.

| TITLE | FONT | SIZE (Ft) |
|------------------------|-------------|------------------|
| Revisions | FDOT | .0050 |
| Initials | FDOT | .0058 |
| Annotation/Table Data | FDOT | .0063 |
| View/Sheet/Sect Titles | FDOTBold | .0080 |
| Large | FDOTBold | .0084 |
| Larger | FDOTBold | .0100 |

The automatic Annotation Scaling service provided by both CADD platforms should be used for all annotations where possible. The Structures Design Office (SDO) uses special, custom fonts in its drawings and CADD programs; specifically, the FDOT and FDOTMono true type fonts (ttf). These fonts are stored in the *FDOT.ttf* and *FDOTMono.ttf* files supplied with the Department's CADD Software.

The *zDOTFont.rsc* and *StructuresFont.rsc* resource files are delivered in the MicroStation CADD Software Suite providing support for legacy MicroStation fonts 168, 169, 68, and 69. Legacy MicroStation fonts should not be used for new production work.

4.13.8.7 Colors

Colors depend on the color table attached to the design file. Therefore, it is important that "*color.tbl*" provided by Bentley (shipped with MicroStation) is attached to all structures design files.

4.13.8.8 Special Symbols

Special symbol characters are provided in the Department's true type font files. These characters may be accessed via the Insert Symbol tool provided in the MicroStation Text Editor/Word Processor or AutoCAD MText editor dialog.

These characters include, but are not limited to: fractions, mathematical symbols, survey symbols, boring symbols, Greek letters, Super/Sub Scripts.

4.13.8.9 Dimension Settings

Dimension styles are defined in the *strslevels.dgnlib* (MicroStation) or Structures Template files (AutoCAD). Styles are provided for Dimensioning and Notes for various terminators and leaders. Make every effort to use automatic dimensioning with element association enabled.

4.13.8.10 Reference Files

Information from other disciplines, such as Roadway, and Utilities, should not be copied into Structures design files, as they will be flagged as invalid by the QC Software and adversely affect the Standards Compliance Report.

When it is necessary to use or present this type of information, reference it into the Structures design file using relative paths.

4.13.8.11 Existing Bridge Plans

Existing Bridge plan sheets must be submitted in PDF format, not DGN, and manually inserted into the plans using sheet numbers. The January 2017 [Structures Manual Volume 2 - Structures Detailing Manual](#) Section 3.1 B states the following:

"....At the end of the plan set, place all existing bridge sheets for each bridge in one PDF file named "B1ExistingPlans.pdf" for the first bridge (number sheets sequentially "BX1-1", "BX1-2", etc.) and "B2ExistingPlans.pdf" for the second bridge, etc."

Traditionally existing Bridge Plans have been made as a part of the contract documents and therefore should be made part of the plans set. Likewise the PDF file(s) representing the existing Bridge Plans would reside in the \struct\ project folder.

Note The person responsible for assembling the plan set including existing bridge plans may wish to apply a stamp on each existing bridge plan sheet that indicates "FOR INFORMATION ONLY" and the current contract FPID being designed.

4.13.9 Toll Facilities Standards

As per the *Plans Preparation Manual*, Volume 2, Chapter 2, Toll Facility Plans should be prepared in accordance with the Florida's Turnpike Enterprise current *General Tolling Requirements (GTR)* found at the following link: <http://www.floridasturnpike.com/design.html>

4.13.10 Utility Standards

This chapter defines guidelines for sharing data between the District Offices and the Utility Agency/Owner (UAO).

4.13.10.1 Utility File Coordination Options

There are three options available for the UAO to share files with the Department:

- Exchange of design files (DGN or DWG) – the preferred option
- Create American Standard Code for Information Interchange (ASCII) files
- Import of Geographic Information System (GIS) data

➤ *Sharing of Design Files*

Design files are created to the Department's CADD Standards and returned to the District for review. The UAO will use these files as references to create the existing or proposed utility files. These files (existing or proposed) would also be submitted back to the District. It is the District's responsibility to coordinate with the UAO for delivery of design files. For AutoCAD DWG files, all line work for utilities should be preferably in 3D and saved as polylines or feature line objects.

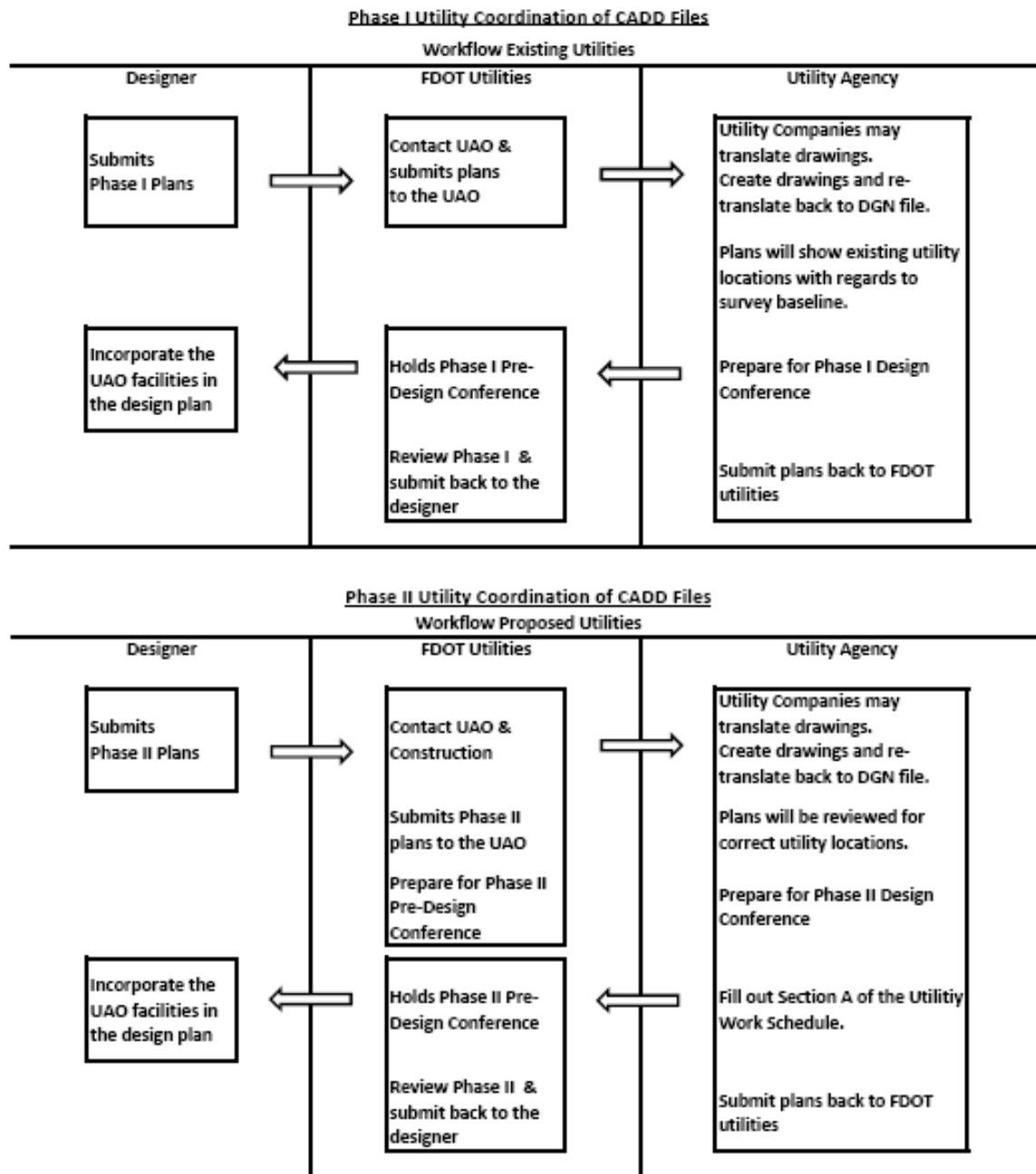
➤ *ASCII Input File*

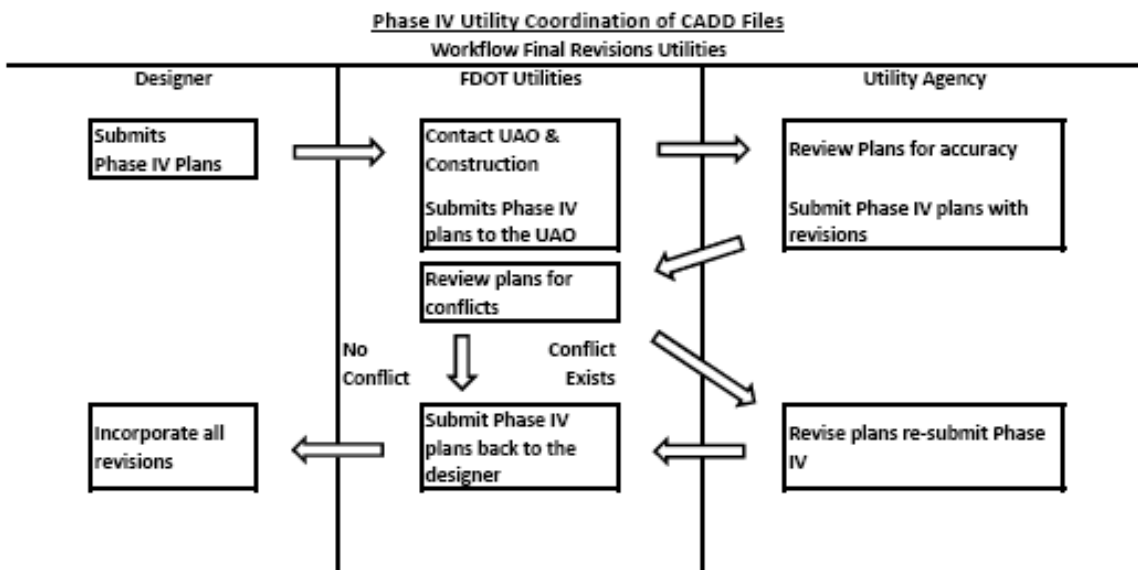
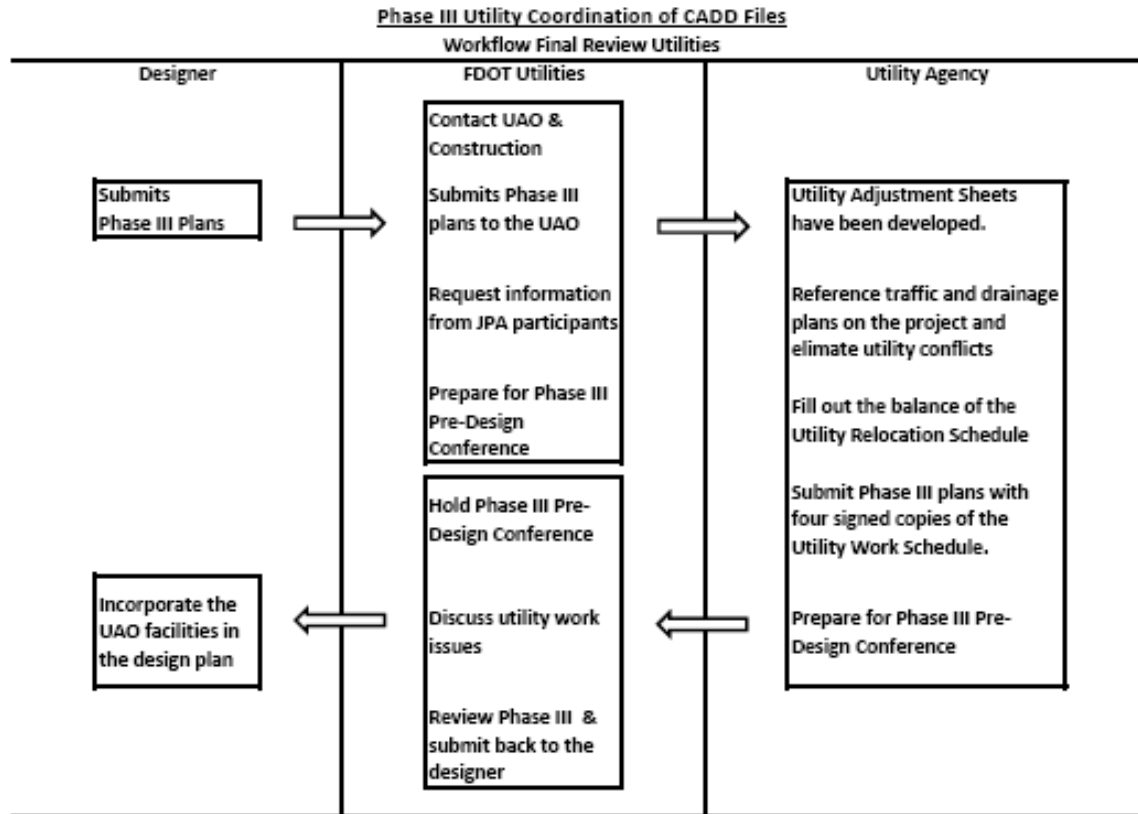
The second option is the ASCII file that can be created from existing or proposed utilities. The ASCII file format will be either LandXML or GEOPAK input format for Station/Offset/Elevation or Northing/Easting/Elevation (State Plane coordinates). These files must contain information pertinent to the location of the utility, as well as the type of utility and where it is located referenced to the (survey baseline) alignment or state plane coordinates.

➤ *Geographic Information System (GIS) File*

In the event that a UAO maintains a GIS database of utility data, that data may be exchanged in GIS shape files.

4.13.10.2 Utility Coordination





4.13.10.3 Exchange of Design Files

After the Department's District Utilities Office (via Utility Coordinator) has received the current phase submittal from the Designer, they must contact the involved utilities and notify them of the phase submittal. The UAO will then receive the phase documents from the Department that must contain the Roadway Plans, the necessary CADD files and any Utility Relocation Agreements and Schedules. The required electronic files include the proposed roadway design; the existing topography, the existing and proposed R/W and the existing utilities gathered from the survey and previously supplied data.

No editing of any files provided by the Department will be accepted. The UAO will be placing data into newly created files. File naming standards must be maintained at all times.

4.13.10.4 Standard File Names

The Department utilizes standard naming conventions for all of its files and provides automated tools that depend on this naming convention. The naming convention confers data information to the downstream customer of the files.

➤ *Standard file names should follow this format: AAAABB##.ext*

Where **AAAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

If the Utility work is accomplished by a Highway Contractor as a separate contract (UWHC plans), the discipline designation for the file name is "UW".

For example, a MicroStation design file for utility adjustment would be named: *utaduw01.dgn*.

If the Utility adjustments are included in the Roadway Plan set the discipline designation for the file name is "RD". For example, a utility adjustment file name would be *utadrd01.dgn*. See Section 4.17 Roadway Standards for the Utilities Standard File Names defined for use by Roadway Design.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Utilities Component of the Contract Plan Set.

The following table defines the Utility File names with each file including sequential numbering. Standard model names are also provided.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|---------------------|----------|------------------------|------------|--|--------|------------------------|------------------------|
| | Borders & Sheets | | BDPLUW## | default | UWHC Border Sheet Reference File for Plan Sheets | planrd | fdotseed2d.dgn | |
| 4 | Borders & Sheets | | GNNTUW## | default | UWHC General Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Borders & Sheets | | PLANUW## | default | UWHC Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 8 | Borders & Sheets | | PLPRUW## (UTEXRD##) | default | UWHC Plan & Profile Sheet | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 9 | Borders & Sheets | | PROFUW## | default | UWHC Profile Sheet | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | CLIPUW## | default | UWHC Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPLUW## | default | UWHC Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Clipping | | MTPRUW## | default | UWHC Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Existing Topography | | TOPOUW## | default | Topography - Existing (No Utilities or Drainage included) | topord | fdotseed2d.dgn | survey.dwt |
| 1 | Key Sheets | | KEYSUW## | default | UWHC Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| | Proposed Design | | DSPFUW## | default | Proposed Profile | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 2 | Proposed Design | | SIGNUW## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| | Proposed Design | | TEXTUW## | default | UWHC Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| 3 | Proposed Design | | CESSUW## | default | Summary of Pay Items Sheets | planrd | fdotseed2d.dgn | planrd.dwt |
| 4 | Utilities | | UTADUW## (UTADR##) | default | UWHC Utility Adjustment Sheet | utardr | fdotseed2d.dgn | utardr.dwt |
| 10 | Utilities | | UTDTUW## | default | UWHC Special Details | open | fdotseed2d.dgn | fdotmaster.dwt |
| | Utilities | X | UTEXUW## (UTEXRD##) | default | UWHC Utilities – Existing | utexrd | fdotseed2d.dgn | survey.dwt |
| | Utilities | X | UTPRUW## (UTPRRD##) | default | UWHC Utilities – Proposed | utprrd | fdotseed2d.dgn | utprrd.dwt |
| 5 | Verified Utilities | | SBVHUW## | default | UWHC Summary of Verified Utilities (2D) | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Verified Utilities | X | UTVHUW## | default | UWHC Survey of Verified Utilities (3D version of UTEXRD.dgn) | utexrd | fdotseed3d.dgn | survey.dwt |

4.13.10.5 Utility Work by Highway Contractor Agreement Plans

Major highway construction elements such as pavement areas, bridges, drainage structures, right of way, lane widths, control of access limits and highway-straight-line numbers should appear in the Utility Work by Highway Contractor Agreement Plans.

The Department’s plans marked by the UAO will use the following color code:

- **Red:** Existing utilities either (a) To be removed or relocated horizontally or (b) to be placed out-of-service (deactivated) but left in place.
- **Green:** Existing utilities to remain in place with no adjustment.
- **Brown:** Either (a) Existing utilities to be adjusted vertically but to remain in the same horizontal alignment, or (b) Completely new utilities to be installed.

One set of the plans should be returned to the Department with each copy of the Utility Agreement.

4.13.10.6 ASCII Files of Utility Data

ASCII Files of utility data are to be exchanged in the LandXML format which is ubiquitous with most civil design and GIS software. Information about LandXML can be found at: <http://www.LandXML.org>.

➤ ***The File Naming Convention for this ASCII files must be:***

- *utilx##.xml* for Existing Utilities
- *utilpr##.xml* for Proposed Utilities

➤ ***Alternately, ASCII files of Utility Data File Naming Convention must be:***

- *utilx##.inp* for Existing Utilities. Note .inp extension for GEOPAK input
- *utilpr##.inp* for Proposed Utilities. Note .inp extension for GEOPAK input

Where ## will be a sequencing number (01, 02, 03, etcetera).

Each electronic ASCII report file must be stored on media according to the Department's CADD Deliverable Standards. If the provider does not have capability to deliver in LandXML format, a GEOPAK Input format file will also be an acceptable substitute. When delivery is made in GEOPAK Input format, the ASCII report must be accompanied by a printed hardcopy.

4.13.10.7 Utility Scanned Images

If the Utilities are handled through a Joint Utility Agreement and electronic files are not provided to the District for the Utility plans, the paper plans must be scanned. The format must be a published format with a minimum resolution of 300DPI. The required formats are PDF or Group 4 TIFF.

4.13.11 Drainage Standards

The purpose of this chapter is to provide CADD Standards for the Department’s projects generated by Roadway Design and Drainage Design. (See also Section 4.18 of this Chapter for Roadway Standards)

4.13.11.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ **Standard design file names should follow this format: AAAABB##.ext**

Where **AAAA** = abbreviated file description, **BB** = Discipline Denotation, **##** =Sequence number.

The following table defines the Drainage File names with each file including sequential numbering. Standard model names are also provided. Since most Drainage files are shared with Roadway, the two groups must coordinate the creation and ownership of these files.

See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule. Sheet Order reflects placement within the Roadway Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|-----------------------|----------|-----------|---|---|--------|------------------------|------------------------|
| | Borders & Sheets | | BDDMRD## | default | Border Sheet Reference File for Drainage Map Sheet | planrd | fdotseed2d.dgn | |
| 25 | Borders & Sheets | | LDPRRD## | default | Lateral Ditch Plan / Profile Sheet | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 22 | Cross Sections | X | DRXSRD## | rdxsrd Patrd Xsshrd Rdxsrd_shg | Drainage Structure Cross Sections Drainage Structure Pattern Lines Drainage Structure Shapes Drainage Structure Cross Section Sheets | drxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| 26 | Cross Sections | X | LDXSRD## | Rdxsrd Patrd Xsshrd Rdxsrd_shg | Lateral Ditch XSections, Pattern Line & Shapes Lateral Ditch Pattern Lines Lateral Ditch Shapes Lateral Ditch Cross Section Sheets | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| 30 | Cross Sections | X | PDXSRD## | rdxsrd Patrd Xsshrd Rdxsrd_shg | Pond Cross Sections Pond Pattern Lines Pond Shapes Pond Cross Section Sheets | pdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| 27 | Drainage | | DRDTRD## | default | Drainage Detail Sheet | drdrtd | fdotseed2d.dgn | fdotmaster.dwt |
| | Drainage | | DREXRD## | default | Drainage Structures - Existing | drexrd | fdotseed2d.dgn | fdotmaster.dwt |
| 6 | Drainage | | DRFLRD## | default | Drainage Flood Data Form | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 4 | Drainage | | DRMPRD## | default | Drainage Map | drmprd | fdotseed2d.dgn | fdotmaster.dwt |
| 10 | Drainage | | DROMRD## | default | Drainage Optional Materials Tabulation | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Drainage | X | DRPRRD## | default | Drainage Structures - Proposed | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 28 | Proposed Design | | PDPLRD## | default | Pond Design | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| 41 | Proposed Design | | SWPPRD## | default | Storm Water Pollution Prevention Plan | plprrd | fdotseed2d.dgn | swpprd.dwt |
| | Proposed Design | | TEXTDR## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| 52 | Proposed Design | | WETLRD## | default | Wetlands Delineation for Drainage | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 5 | Summary Boxes /Tables | | BRHYRD## | default | Bridge Hydraulics Recommendation Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| 23 | Summary Boxes /Tables | | BXCLRD## | default | Box Culvert Wing wall Design and Special Details | drdrtd | fdotseed2d.dgn | fdotmaster.dwt |
| 9 | Summary Boxes /Tables | | SUMDRD## | default | Summary of Drainage Structures | planrd | fdotseed2d.dgn | fdotmaster.dwt |

4.13.11.2 File Sharing and Merging

Every project utilizes the standard folder structure regardless of the project requirements. Data for each discipline is maintained in its sub-folder. If a discipline requires information from another discipline, the needed file(s) must be referenced from the original folder, not copied.

4.13.11.3 Resource Files

CADD provides software resources for Drainage plans preparation using GEOPAK and Civil 3D. Some Districts utilize other Drainage analysis and design applications, such as Automated Storm Sewer Analysis and Design (ASAD). The Drainage databases produced by drainage design applications must be delivered with the project.

4.13.11.4 Engineering Data

The Drainage discipline folder contains the additional sub-folder named \eng_data\ designated to contain the following:

- Image files of the plan sheets for the drainage design, if applicable
- Quality Control Reports
- Engineering Data output files including Drainage network(s) LandXML as applicable
- Drainage Reports, including drainage databases used for reports
- All supplemental hand calculations (scanned and saved in PDF format)
- Other data pertinent to the overall drainage design

4.13.11.5 Packaging

Listed below are files created by Roadway that are to be treated as Drainage files:

- **DRDTRD##.DGN** - Drainage Detail Sheets
- **DREXRD##.DGN** - Drainage Existing Structures
- **DRFLRD##.DGN** - Flood Data Form
- **DRMPRD##.DGN** - Drainage Map, if required in the PPM) included in the final submittal
- **DRPRRD##.DGN** - Drainage Proposed Structures
- **DRXSRD##.DGN** - Drainage Structure Cross Sections
- **SUMDRD##.DGN** - Summary of Drainage Structures

4.13.12 Survey Standards

This chapter describes the minimum CADD requirements for Survey CADD operations.

4.13.12.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ **Standard design file names should follow this format: AAAABB##.ext**

Where **AAAA** = abbreviated file description, **BB** = Discipline Denotation, **##** =Sequence number.

The following table defines the Survey file names with each file including sequential numbering. Standard model names are also provided, however, it is not mandatory to use more than the default model.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Roadway Component of the Contract Plan Set.

| Sheet Order | File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|---------------------|----------------|-----------|------------|---|--------|------------------------|------------------------|
| | Drainage | X | DREXRD## | default | Drainage Structures - Existing | drexrd | fdotseed2d.dgn | fdotmaster.dwt |
| | Existing DTM | | GDTMRD## | default | Digital Terrain Model / TIN Model - 3D | gdtmrd | fdotseed3d.dgn | survey.dwt |
| | Existing Topography | X | TOPORD## | default | Topography - Existing | topord | fdotseed2d.dgn | survey.dwt |
| 32 | Existing Topography | | TREERD## | default | Tree Survey Sheet | topord | fdotseed2d.dgn | survey.dwt |
| | Existing Utilities | X | UTEXRD## | default | Utilities - Existing | utexrd | fdotseed2d.dgn | survey.dwt |
| 48 | Project Control | | CTLSRD## | default | Project Control Sheets | planrd | fdotseed2d.dgn | ctlsrd.dwt |
| | Survey Development | See note below | SURVRD## | default | Survey Development Model for 3D Design | survrd | fdotseed3d.dgn | survey.dwt |
| | Verified Utilities | X | UTVHRD## | default | Survey of Verified Utilities (3D version of UTEXRD.dgn) | utexrd | fdotseed3d.dgn | survey.dwt |

Note The SURVRD file is a critical file for MicroStation SS4 Corridor Modeling (3D) projects only.

4.13.12.2 Level/Layer and Symbology Standards

Symbology Standards that apply to the Department's Projects are set up under a listing of Standard Level Names with specific ByLevel Color, Style and Weight attributes. These levels are grouped under specific Standard Rules which are associated to each valid Standard Filename of each Discipline for the purpose of performing the Quality Control check for the Department's Standards compliancy of each Project design file. Appendix A provides a listing of all Department CADD Standard Rules with associated Levels and Symbology.

4.13.12.3 FDOT Standard Field Survey Zones for Points & Linear Features / Figures

| Zone | Points / Chains | Description |
|--------|---|--|
| Zone 1 | Topo/DTM | Pavement, Sidewalks, Trees, Fences, Buildings, Signs, etc. |
| Zone 2 | Drainage | Drainage Structures, Culverts, Inlets, End Walls, etc. |
| Zone 3 | Utilities | Poles, Service Cabinets, Man Holes, Aerial and Underground Utilities, etc. |
| Zone 4 | Aerial Structure | Superstructures, Bridges and Railroad Overpasses |
| Zone 5 | Primary-Secondary Control Baseline Control(BLC) | Horizontal and Vertical Project Control, Traverse Line and Points |
| Zone 6 | Monumentation Reference Lines, Baseline Survey(BL) | Alignment, Property and Boundary Ties (Found or Set) |
| Zone 7 | Cross Section | Check Cross Section Point and Chains to verify DTM |

4.13.12.4 Data Files Created by Survey

Additional geometry input files are also created for delivery to design. For example: files of existing points, profiles, survey chains, alignments, surfaces, etcetera, should be created in LandXML 1.2 format. For information about LandXML see: <http://www.LandXML.org>. All data delivered to the Department should be placed under the \survey\ discipline folder, which the Department’s standard folder structure is included for this purpose. Additional sub-folders may be created under the \survey\ discipline folder to segregate and further organize data. For example: the case where a CAiCE project is placed within the project folder structure under the \survey\ discipline folder for delivery.

Note See Section 4.7 for requirements for creating additional sub-folders.

4.13.12.5 Resource Files

CAiCE and GEOPAK use a feature table to look-up appropriate element symbology for given objects, defined by their “feature” found in the survey. AutoCAD Civil 3D uses similar technology.

For CAiCE, the feature table is found in the folder named x:\FDOTSS4\CAiCE\FTB\, where “x” is the workstation drive letter.

The CAiCE feature table correlates the level numbers (200+ through 9xxx) used in CAiCE to the level names corresponding to the MicroStation DGN file, the SMD features used by GEOPAK Survey and the layer names in the description key/figure prefix database used by AutoCAD Civil 3D. This table is placed in the \CAiCE\FTB\ folder.

A corresponding feature table with an .ftm extension is also loaded to the x:\FDOTSS4\CAiCE\FTB\ folder to control symbology on alignment chains (Geometry Chains with stationing). This table is used by the **Settings > Object Display > Geometry Chains** command in CAiCE to control the proper symbology of alignment stationing, station tics, and station labels based upon scale.

Note The name of the .ftm feature table must match the name of the active .ftb feature table in use during a CAiCE session.

➤ **CAiCE Tables and Cell Libraries**

CAiCE feature tables and cell libraries are provided for existing topography, utilities and drainage features. The tables and cell libraries included for Roadway Design are:

- **FDOT_SS4.FTB** - Feature table containing existing features used by Roadway Design.
- **FDOT_SS4.FTM** - Corresponding table for controlling alignment / chain symbology and bearing / distance chain labeling (attaches automatically when FDOT_SS4.FTB is attached).
- **SYENG_SS4.CCL** - CAiCE format of the cell library used by Roadway Design.

➤ **SYENG_SS4.CEL - MicroStation format of the cell library used by Roadway Design.Feature List Files**

Feature List files; *FDOTTOPO.lis*, *FDOTDran.lis*, and *FDOTUtil.lis*, are also installed into the x:\FDOTSS4\CAiCE\FTB\ folder to assist the user in creating the CAiCE screen graphics containing the appropriate data for producing the three typical design files required by design, *TOPORD00.dgn*, *DREXR00.dgn*, and *UTEXRD00.dgn*. These List files are listings of the feature codes that belong in the respective design files. Consult your CAiCE documentation on the use of List files.

Note A Department CAiCE application, Theme Viewer, can accomplish a similar function to using CAiCE list files.

➤ **CAiCE Cell Library**

MicroStation Cell libraries cannot be used or attached by CAiCE directly. The MicroStation cell library is translated to CAiCE's own version of a cell library (*.CCL versus MicroStation *.CEL).

➤ **CAiCE Translation Table**

A CAiCE Translation Table, *Edgntype.tbl*, is another resource file provided for CAiCE that maps CAiCE line styles to MicroStation custom line styles. This table is in the CADD Software Install at the x:\FDOTSS4\CAiCE\DGN\ subfolder.

Note To have compatibility with MicroStation long name cells and levels, two files, DGNCell.TBL and DGNLevel.tbl, must reside under your \CAiCE\DGN\ folder.

➤ **Additional CAiCE Tables and Cell Libraries**

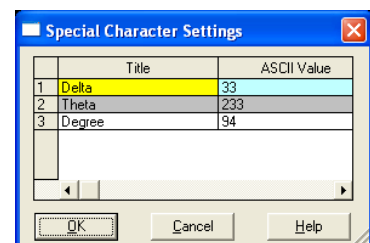
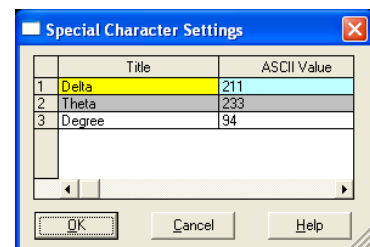
Additional CAiCE feature tables and cell libraries are also provided for existing topography files, created for Right-of-Way mapping purposes. Mapping uses additional consolidation of certain monument symbols and has other symbolization requirements. The tables and cell libraries included are:

- **FDOT_SS4RW.FTB** - Feature table containing the topography features used in ROW Mapping.
- **FDOT_SS4RW.FTM** - Corresponding table for controlling alignment / chain symbology and bearing / distance chain labeling (attaches automatically when FDOT_SS4RW.FTB is attached).
- **RWENG_SS4.CCL** - CAiCE format of the cell library for use in ROW mapping.
- **RWENG_SS4.CEL** - MicroStation format of the topo cell library for use in ROW mapping.

➤ **CAiCE Special Characters**

CAiCE does not support True Type Fonts. CAiCE Font(s) 48 & 58 will have to be manually replaced by True Type Fonts in MicroStation if the CDG2V8 Macro is used for importing CAiCE data.

- **CAiCE font 48 and translating to MicroStation** - Font 48 does not use the standard ASCII table for all special characters. In particular, the degree symbol (°) for MicroStation requires that CAiCE place the Caret Symbol (^) in CAiCE text strings so MicroStation will look correct when data is translated to MicroStation graphics. To force CAiCE to substitute the (^) for the degree (°), CAiCE needs to be set by selecting the menu options: **Settings > Special Characters** and set the ASCII value of 94 to represent degrees as shown in the figure to the right.
- **Right of Way project font 58 in MicroStation** - If exporting to a Right of Way map, CAiCE needs to be set by selecting the menu items: Settings > Special Characters and set the ASCII value 33 to the Delta symbol as shown in the figure to the right.



4.13.12.6 GEOPAK Survey and Bentley Survey

The GEOPAK Survey application uses a feature table called *fdot_ss4.smd*. This feature table is installed into the x:\FDOTSS4\geopak\databases\ folder by the CADD Software Install routine ('x' is the drive letter where the CADD Software is installed). The *fdot_ss4.smd* should be used when processing field measurement .OBS files, importing CAiCE KCP files, reading GEOPAK Input files and visualizing features with the Survey Display dialogue box or the COGO Navigator. The *fdot_ss4rw.smd* feature table is the Right of Way counterpart feature table and should be used when importing or visualizing Right of Way features or products such as the *TOPORW##.dgn* file.

The Bentley Survey application (formerly known as Data Acquisition) uses a XML version of the GEOPAK SMD files named *Survey_display.xml* and *ROW_Display.xml*. Both feature files can be found in the x:\FDOTSS4\geopak\databases\ folder and are imbedded in the *FDOT_SurveyFeatures_RD.dgnlib* and *FDOT_SurveyFeatures_RW.dgnlib* respectively. It is NOT necessary to attach these feature files when working within the FDOT workspace.

Note AutoCAD Civil 3D DESCRIPTION KEYS for translating point objects are found imbedded in the individual templates provided in the Department's Civil 3D State Kit and are not separate resource files. The FIGURE PREFIX DATABASE for translating chains into Civil 3D figures is delivered as part of the Department's State Kit for Civil 3D.

Both GEOPAK and CAiCE use the similar cell libraries for survey graphics. The cell libraries (*syeng.cel* for Roadway design and *rweng.cel* for Right of Way) should be referenced from the x:\FDOTSS4\RESOURCES\Cell\ folder. (x:\FDOT2015.C3D\DATA\BLOCKS\ROW.DWG for AutoCAD)

4.13.12.7 AutoCAD Civil 3D

Standard survey files developed for Autodesk workflows are created by using the FDOT2015.C3D software in conjunction with the Department's standard surveying templates provided by the FDOT2015.C3D software install routine. These standard surveying templates are installed into the x:\FDOT2015.C3D\Data\Templates\ folder by the FDOT2015.C3D software Install routine ('x' is the drive letter where the FDOT2015.C3D software is installed).

The LandXMLGrouper is also provided by the FDOT2015.C3D software install routine. The LandXMLGrouper routine presorts XML files exported from EFB or CAiCE into point and figure groups that can be used for building standard surveying deliverables similar to the CAiCE theme viewer.

Note AutoCAD Civil 3D surveying deliverables must be developed within Civil 3D to be compatible with AutoCAD workflows. Surfaces and Alignments are specific formats within Civil 3D. Point objects and figures (chains) are also specific to Civil 3D. Converting Surveying deliverable MicroStation DGN files to DWG or vice versa will not create an acceptable deliverable in the current workflows for either MicroStation or AutoCAD products.

4.13.12.8 Survey Data

The Department's *Surveying Procedure*, Topic 550-030-101 and the *Surveying Handbook* governs the requirements for survey procedure for the Department's projects. These documents are available at: http://www.dot.state.fl.us/surveyingandmapping/doc_pubs.shtm

4.13.12.9 County Mapping

The production of County Maps is an internal function of the Department’s Surveying and Mapping Office. This documentation refers to the graphical symbology standards used for the production of those maps. For information regarding file naming conventions and other standards in use during the production of the Department’s County maps, contact the Geographic Mapping Office in the Department’s Surveying and Mapping Office at (850) 414-4111.

| File Type | Description | Color | Line Style | Weight | Cell |
|-----------|--|-------|------------|--------|---------|
| All | Adjacent County and State Text | | | | |
| All | Airport Names | | | | |
| All | Airport Runways | | | 6 | |
| All | Airports Commercial | | | | cscapt |
| All | Airports Commercial | | | | cap |
| All | Airports Landing Strip or Private Airport | | | | cslstp |
| All | Airports Landing Strip or Private Airport | | | | ldarsp |
| All | Airports Military | | | | csmfld |
| All | Airports Military | | | | milffad |
| All | Backdrop | 30 | | | |
| All | Backdrop | 60 | | | |
| All | Bay | | | | 2 |
| All | Bay Text | | | | 2 |
| All | Bayou and Harbor, etc. | | | | 3 |
| All | Bayou and Harbor, etc. Text | | | | 3 |
| All | Boundary Section Lines (hidden) | 31 | | | |
| All | Bridges | | | 0 | |
| All | Bridges | | | 1 | |
| All | Bridges Interstate | 1 | | | |
| All | Bridges and Drawbridges County Highways | 4 | | | |
| All | Bridges and Drawbridges County Highways Text | 8 | | | |
| All | Bridges and Drawbridges Local Roads | | | | |
| All | Bridges and Drawbridges Local Roads Text | 18 | | | |
| All | Bridges and Drawbridges State Highways | 3 | | | |
| All | Bridges and Drawbridges State Highways Text | 7 | | | |
| All | Bridges and Drawbridges Toll Roads | 5 | | | |
| All | Bridges and Drawbridges Toll Roads Text | 5 | | | |
| All | Bridges and Drawbridges US Highways | 2 | | | |
| All | Bridges and Drawbridges US Highways Text | 6 | | | |
| All | Bridges Interstate Text | 4 | | | |
| All | Cities Incorporated Area | | | 0 | |
| All | Cities Incorporated Linear Boundaries | | | 1 | |
| All | City Streets | | | 1 | |
| All | Coastal Waterway | | | | csicw |
| All | Coastal Waterway Text | | | | 10 |
| All | College or University | 71 | | | |
| All | College or University Text | 30 | | | 8 |
| All | Communities and Subdivisions Names without Post Office | | | | 3 |
| All | Communities Names with Post Office | | | | 2 |
| All | Connecting Roads | | | 2 | |
| All | Coordinate ticks Lat Longs | | | | csotic |
| All | Coordinate ticks State Plane | | | | csstic |
| All | County Boundary | | 7 | 6 | |
| All | County Parks | 70 | | | |
| All | County Parks Text | 148 | | | 10 |

| File Type | Description | Color | Line Style | Weight | Cell |
|-----------|---|-------|------------|--------|--------|
| All | County Roads Related Text | | | | |
| All | County Route Divided Highway Outline and Fill | | | | |
| All | County Routes Highway Center Lines | | | 3 | |
| All | County Routes Ramps | | | 2 | |
| All | County Seat | | | | cscose |
| All | County Seat Names | | | 4 | |
| All | County Seat Names | | | 6 | |
| All | Culture | | | 0 | |
| All | Culture | | | 1 | |
| All | Culture | | | 2 | |
| All | Culture Text | | | | 1 |
| All | Cut Border | | | | |
| All | Extended Township Lines | 43 | 3 | 2 | |
| All | Forbes Purchase | | 3 | 3 | |
| All | Forbes Purchase Section lines | | 3 | 0 | |
| All | Forbes Purchase Township and Range Lines | | 3 | 2 | |
| All | Geographic Features Text | | | 1 | |
| All | Heliports | | | | csheli |
| All | Intermittent Ponds | | | | 1 |
| All | Intermittent Ponds Text | | | | 8 |
| All | Interstate Divided Highway Outline and Fill | | | | |
| All | Interstate Highway Center Lines | | | 3 | |
| All | Interstate Ramps | | | 2 | |
| All | Interstates Related Text | | | | |
| All | Islands | | | | |
| All | Islands Text Coastal (Keys, etc.) | | | 2 | |
| All | Islands Text Inland (Hammocks and Ridges, etc.) | | | | 1 |
| All | Lakes and Ponds | | | | |
| All | Lakes and Ponds Text | | | | 9 |
| All | Land Grant Boundaries | | 4 | 0 | |
| All | Legend | | | | |
| All | Local Roads Divided Highway Outline and Fill | | | | |
| All | Local Roads Improved | 11 | | 1 | |
| All | Local Roads Paved | 11 | | 2 | |
| All | Local Roads Related Cells | | | | cslgf0 |
| All | Local Roads Related Cells | | | | cslgf1 |
| All | Local Roads Related Cells | | | | cslgf2 |
| All | Local Roads Related Cells | | | | cslgf3 |
| All | Local Roads Related Cells | | | | cslgf4 |
| All | Local Roads Related Cells | | | | csp1 |
| All | Local Roads Related Cells | | | | csp2 |
| All | Local Roads Related Cells | | | | cspnf1 |
| All | Local Roads Related Cells | | | | cspnf2 |
| All | Local Roads Related Cells | | | | cspsf1 |
| All | Local Roads Related Cells | | | | cspsf2 |
| All | Local Roads Related Text | | | | |
| All | Local Roads Unimproved | 10 | | 1 | |
| All | Mangroves | | | | mg |
| All | Mangroves | | | | csman1 |
| All | Mangroves | | | | smg |
| All | Map Border | | | | |
| All | Map Border Text and Cells | | | | |
| All | Map Information Text and Cells | | | | |

| File Type | Description | Color | Line Style | Weight | Cell |
|-----------|---|-------|------------|--------|--------|
| All | Map Information Text and Cells | | | | |
| All | Masks for Road Features | | | | |
| All | Masks for Text | | | | |
| All | Military Bases | 66 | | | |
| All | Military Bases Text | 146 | | | 7 |
| All | Narrow Canals | | 5 | | |
| All | Narrow Canals | | 5 | | |
| All | Narrow Canals | | 5 | | |
| All | Narrow Canals Text | | | | 7 |
| All | Narrow River Creek and Branch and Slough | 12 | | 1 | |
| All | Narrow River Creek and Branch and Slough | 12 | | 1 | |
| All | Narrow River Creek and Branch and Slough | 12 | | 1 | |
| All | Narrow River Creek and Branch and Slough Text | | | | 6 |
| All | National Forest | 65 | | | |
| All | National Forest Text | 44 | | | 1 |
| All | National Park | 69 | | | |
| All | National Park Text | 44 | | | 2 |
| All | National Wildlife Refuge and Preserve | 75 | | | |
| All | National Wildlife Refuge and Preserve Text | 144 | | | 3 |
| All | Ocean and Gulf | | | | 1 |
| All | Ocean and Gulf Text | | | | 1 |
| All | Other Incorporated Names | | | 2 | |
| All | Other Incorporated Names | | | 3 | |
| All | Other Survey Related Text | | | | 3 |
| All | Planning Number Interstates | | | | cssir1 |
| All | Planning Number Interstates | | | | cssir2 |
| All | Planning Number Interstates | | | | cssir3 |
| All | Planning Number US Highways | | | | cssus1 |
| All | Planning Number US Highways | | | | cssus2 |
| All | Planning Number US Highways | | | | cssus3 |
| All | Planning Number US Highways | | | | cssus1 |
| All | Planning Number US Highways | | | | cssus2 |
| All | Planning Number US Highways | | | | cssus3 |
| All | Populations | | | | 1 |
| All | Quad Borders | | | | |
| All | Railroad Stations | | | | csrsta |
| All | Railroads | 3 | | | |
| All | Railroads Text | | | | |
| All | Road shields County Roads | | | | cs1crs |
| All | Road shields County Roads | | | | cs2crs |
| All | Road shields County Roads | | | | cs3crs |
| All | Road shields County Roads | | | | cs4crs |
| All | Road shields Interstates | | | | cs1irs |
| All | Road shields Interstates | | | | cs2irs |
| All | Road shields Interstates | | | | cs3irs |
| All | Road shields State Highways | | | | cs1srs |
| All | Road shields State Highways | | | | cs2srs |
| All | Road shields State Highways | | | | cs3srs |
| All | Road shields Toll roads | | | | cs1trs |
| All | Road shields Toll roads | | | | cs2trs |
| All | Road shields Toll roads | | | | cs3trs |
| All | Road shields Toll roads | | | | cstps |
| All | Road shields US Highways | | | | cs1urs |

| File Type | Description | Color | Line Style | Weight | Cell |
|-----------|--|-------|------------|--------|--------|
| All | Road shields US Highways | | | | cs2urs |
| All | Road shields US Highways | | | | cs3urs |
| All | Road shields US Highways Alternate | | | | cs1usa |
| All | Road shields US Highways Alternate | | | | cs2usa |
| All | Road shields US Highways Alternate | | | | cs3usa |
| All | Road shields US Highways Business | | | | cs1usb |
| All | Road shields US Highways Business | | | | cs2usb |
| All | Road shields US Highways Business | | | | cs3usb |
| All | Seaplane facility | | | | csseap |
| All | Section Lines | | 0 | 0 | |
| All | Section Numbers | | | | 1 |
| All | State Boundary | | 6 | 6 | |
| All | State Capital | | | | cscptl |
| All | State Forest | 67 | | | |
| All | State Forest Text | 145 | | | 4 |
| All | State Park | 14 | | | |
| All | State Park Text | 145 | | | 5 |
| All | State Prisons | 124 | | | |
| All | State Prisons Text | 124 | | | 9 |
| All | State Roads Related Text | | | | |
| All | State Route Divided Highway Outline and Fill | | | | |
| All | State Routes Highway Center Lines | | | 3 | |
| All | State Routes Ramps | | | 2 | |
| All | State Survey Lines | | 1 | 1 | |
| All | State Wildlife Refuge and Preserve | 72 | | | |
| All | State Wildlife Refuge and Preserve | 74 | | | |
| All | State Wildlife Refuge and Preserve Text | 147 | | | 6 |
| All | Street Related Text | | | | |
| All | Strip Mining Area | 117 | | | |
| All | Survey by Others | | 2 | 1 | |
| All | Survey Correction Text within map | | | | 4 |
| All | Swamps | | | | sw3 |
| All | Swamps | 15 | | | |
| All | Swamps Text | 45 | | | |
| All | Toll Divided Highway Outline and Fill | | | | |
| All | Toll Highway Center Lines | | | 3 | |
| All | Toll Ramps | | | 2 | |
| All | Toll roads Related Text | | | | |
| All | Town Centers | | | | cscctr |
| All | Township and Range lines | | 0 | 2 | |
| All | Township and Range Tics | | | | csttic |
| All | Township and Range Text | | | | 2 |
| All | Triangulation Station | | | | cstria |
| All | Triangulation Station | | | | trista |
| All | Triangulation Station Text | 97 | | | 2 |
| All | Un-Inventoried Roads and Features | | | | |
| All | US Highways Related Text | | | | |
| All | US Route Divided Highway Outline and Fill | | | | |
| All | US Routes Highway Center Lines | | | 3 | |
| All | US Routes Ramps | | | 2 | |
| All | Wide Rivers and Canals | 12 | | 1 | 4 |
| All | Wide Rivers and Canals Text | | | | 5 |
| All | Wildlife Management Area Text | 94 | | | 11 |

4.13.13 Geotechnical Standards

Geotechnical Plans are included in the Roadway Plan Set as Soil Survey, Soil Boring and Bridge Data Sheets.

4.13.13.1 Standard File Names

The Department utilizes standard naming conventions for all of its files and provides automated tools that depend on this naming convention. The naming convention confers data information to the downstream customer.

➤ **Standard file names should follow this format: AAAABB##.ext**

Where **AAA** = abbreviated file description, **BB** = Discipline Denotation, **##** = Sequence number.

Files that are associated with specific bridges must be prepended with a B# prefix corresponding to the appropriate bridge number.

Note See Section 4.8 of this document for more information about Standard File Names. See Section 4.23 Structures Standards of this document for bridge specific filenames & sheet numbering requirements. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

Sheet Order reflects placement within the Lighting, Roadway, Signalization, Signing & Structure Components of the Contract Plan Set.

The following table defines the Geotechnical Standard File Names for Department projects. Each file name must include sequence numbering. Standard Model names are also provided.

| Sheet Order | File Type | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------|------------|----------------------|------------|--|---------|------------------------|----------------------------|
| 12 | Lighting | LTGEO## | default | Lighting Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 24 | Roadway | CLVGEO## | default | Box Culvert Auger and Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 34 | Roadway | CPTGEO## | default | Cone Penetration Test (CPT) Soundings (<i>Non-Bridge Related</i>) | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 36 | Roadway | MSEWGEO## | default | Mechanically Stabilized Earth (MSE) Wall Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 51 | Roadway | MTGEO## | default | Mitigation Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 37 | Roadway | NWGEO## | default | Noise Wall Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 29 | Roadway | PDGEO## | default | Pond Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 35 | Roadway | RDGEO## | default | Augers Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 33 | Roadway | RDSSGEO## | default | Roadway Soil Survey Sheet | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 38 | Roadway | RTWGEO## | default | Retaining Wall Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 39 | Roadway | SPGEO## | default | Sheet Pile Wall Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 12 | Signal | SGGEO## | default | Signal Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 11 | Signing | SGGEO## | default | Signs Standard Penetration Test (SPT) Borings | geotech | fdotseed2d.dgn | fdotmaster.dwt |
| 13 | Structures | B#BORING## | default | Report of Core Borings | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| 13 | Structures | B#ConePTGEO## | default | CPT Soundings | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| 211 | Structures | B#MSEWallGEO## | default | MSE Wall SPT Borings | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| 216 | Structures | B#NoiseWallGEO## | default | Noise Wall SPT Borings | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| 210 | Structures | B#RetainingWallGEO## | default | Retaining Wall SPT Borings | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| 212 | Structures | B#SheetPileWallGEO## | default | Sheet Pile Wall SPT Borings | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| | Structures | ConePTGeo* | default | Cone Penetration Test (CPT) Soundings (<i>Non-Bridge Related</i>) | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| | Structures | MSEWallGeo* | default | Mechanically Stabilized Earth (MSE) Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| | Structures | NoiseWallGeo* | default | Noise Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| | Structures | RetainingWallGeo* | default | Retaining Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |
| | Structures | SheetPileWallGeo* | default | Sheet Pile Wall Standard Penetration Test (SPT) Borings (<i>Non-Bridge Related</i>) | geotech | StructuresSeed.dgn | StructuresTemplatePlan.dwt |

4.13.13.2 Engineering Data

Engineering Data delivered with each project must be located in the `\eng_data\` sub- folder and include:

- ASCII files containing Q/C reports
- All computer input and output files used in the design (in native file formats for the software used and printed to PDF format)
- All supplemental design hand calculations (scanned and saved in PDF or TIFF file formats)
- Soil boring data

The sheet image from the design files and image files of all other output files from the design and/or analysis programs must be in PDF format. The PDF of the plan sheets must follow the conventions of Digital Delivery. Computer input and output files include files used for all aspects of analysis and design. Geotechnical information must also be delivered (CSV format) as shown in the examples below. The Department has adopted the following standard file naming convention for CSV file imports for the Geotechnical Utility in GEOPAK:

- **Borehole** - *Boreholetpk.brh* - Borehole location data, seasonal high water & design high water data.
- **Material** - *Material.mtl* - Strata Data and Core data.

Standard Penetration Test (SPT) boring information may be drawn using the Department's Report a Core Boring Tool.

➤ **Example: Boreholetpk.brh**

Format: *borehole_name,alignment_name,station,offset,water_elev_type,water_elev_0,water_elev_0_date,water_elev_24,water_elev_24_date*

Examples: Borehole-01,CLCON,78+00.00,15,0,3,8/9/2007,5,8/10/2007
 Borehole-02,CLCON,80+00.00,3,0,2,8/20/2007,4,8/21/2007
 Borehole-03,CLCON,83+00.00,3,0,3,8/23/2007,5,8/24/2007
 Borehole-04,CLCON,85+00.00,4,0,2,8/24/2007,4,8/25/2007

➤ **Example: Material.mtl**

Format: *borehole_name,material_name,doc_or_se,type_of_elev*

Examples: Borehole-01,1,10,DOC Borehole-03,2,6,DOC
 Borehole-02,1,5,DOC Borehole-04,1,2,DOC
 Borehole-02,2,7,DOC Borehole-04,2,5,DOC
 Borehole-02,3,9,DOC Borehole-04,3,7,DOC
 Borehole-03,1,3,DOC Borehole-04,4,10,DOC

4.13.13.3 Soil Survey

The plans must include the information about the soil classification on the soil survey sheet and by showing the boring data soil boxes on the cross section sheets.

4.13.13.4 Soil Boring Data

The soil boring data must be provided to the Roadway designer in a format to facilitate the drawing of the data on the cross section sheets.

Note For help and instructions on specific functions and use of GEOPAK's Geotechnical Tool, refer to the GEOPAK help file.

4.13.14 Right of Way (R/W) Mapping Standards

This section will describe the minimum CADD requirements for R / W Mapping operations.

4.13.14.1 Standard File Names

The Department utilizes standard naming conventions for all of its files and provides automated tools that depend on this naming convention. The naming convention confers data information to the downstream customer.

Standard file names should follow this format: AAAABB##.ext

Where **AAA** = abbreviated file description, **BB** = Discipline Denotation, **##** =Sequence number.

The following table defines the R/W Mapping File Name Standards Name with each file including sequential numbering. Standard Model names are also provided, however, it is not mandatory to use more than the default model.


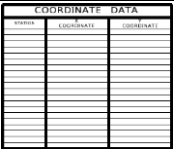
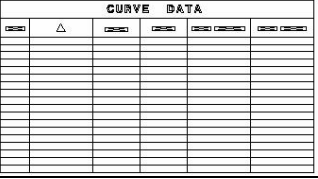












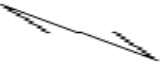
Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level / symbology standards for each applicable CADD Standard Rule.

| Critical | File Name | Model | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|----------|-------------|---------|---|---------|------------------------|------------------------|
| | CS%>%>%>%## | default | Control Survey Master Design File (%...% Enter 7 digit No.) | rweng10 | rwseed2d.dgn | rweng10.dwt |
| X | CSCOVR## | default | Control Survey Cover Sheet | rweng10 | rwseed2d.dgn | CSCOVR.dwt |
| X | CSDETL## | default | Control Survey Detail Sheet | rweng10 | rwseed2d.dgn | CSDETL.dwt |
| X | CSKEYM## | default | Control Survey Key Map Sheet | rweng10 | rwseed2d.dgn | CSDETL.dwt |
| | CTLSRD## | default | Project Control Sheets | open | rwseed2d.dgn | CTLSRD.dwt |
| | MM%>%>%>%## | default | Maintenance Map Master Design File (%...% Enter 7 digit No.) | rweng10 | rwseed2d.dgn | rweng10.dwt |
| X | MMCOVR## | default | Maintenance Map Cover Sheet | rweng10 | rwseed2d.dgn | MMCOVR.dwt |
| X | MMDETL## | default | Maintenance Map Detail Sheet | rweng10 | rwseed2d.dgn | MMDETL.dwt |
| X | MMKEYM## | default | Maintenance Map Key Map Sheet | rweng10 | rwseed2d.dgn | MMDETL.dwt |
| | RW%>%>%>%## | default | R / W Master Detail Design File (%...% Enter 7 digit No.) | rweng10 | rwseed2d.dgn | rweng10.dwt |
| X | RWCOVR## | default | R / W Cover Sheet | rweng10 | rwseed2d.dgn | RWCOVR.dwt |
| X | RWDETL## | default | R / W Detail Sheet | rweng10 | rwseed2d.dgn | RWDETL.dwt |
| X | RWFACS## | default | R / W Cover Sheet FA Project | rweng10 | rwseed2d.dgn | RWCOVR.dwt |
| X | RWKEYM## | default | R / W Key Map Sheet | rweng10 | rwseed2d.dgn | RWDETL.dwt |
| X | RWPNTAB## | default | R / W Project Network Control Tabulation Sheet | rweng10 | rwseed2d.dgn | RWDETL.dwt |
| X | RWPS## | default | R / W Parcel Sketch Sheet | rweng10 | rwseed2d.dgn | RWPS.dwt |
| X | RWSPS## | default | R / W Specific Purpose Survey Sheet | rweng10 | rwseed2d.dgn | RWSPS.dwt |
| X | RWTAB## | default | R / W Tabulation Sheet | rweng10 | rwseed2d.dgn | RWTAB.dwt |
| | SIGNRW## | default | Digital Signatures | rweng10 | rwseed2d.dgn | digitalsignature.dwt |
| | TOPORW## | default | ROW Mapping File Containing Existing Topography for Mapping Purposes Only | open | rwseed2d.dgn | TOPORW.DWT |

4.13.14.2 R/W Cell Library

Note R / W cell library is ROW.CEL. R / W cells must be placed with the True Scale toggle set to "ON".

| ELEMENT | TYPE | SYMBOL | Macro |
|---|-----------------|--------|------------------|
| ARROW TERMINATOR LEFT (Place on ByLevel of Text Element Relative Toggle "ON") | C = ARRWLG | | Place Delineator |
| ARROW TERMINATOR RIGHT (Place on ByLevel of Text Element Relative Toggle "ON") | C = ARRWRG | | Place Delineator |
| LINE TERMINATOR@POINT G = Graphic type cell | C =ARRLT | | Place Delineator |
| LINE TERMINATOR@POINT G = Graphic type cell | C =ARRRT | | Place Delineator |
| BAR SCALE 1" = 20' | C = BS20 | | Place Bar Scale |
| BAR SCALE 1" = 30' | C = BS30 | | Place Bar Scale |
| BAR SCALE 1" = 40' | C = BS40 | | Place Bar Scale |
| BAR SCALE 1" = 50' | C = BS50 | | Place Bar Scale |
| BAR SCALE 1" = 100' | C = BS100 | | Place Bar Scale |
| BAR SCALE 1" = 200' | C = BS200 | | Place Bar Scale |
| BAR SCALE 1" = 400' | C = BS400 | | Place Bar Scale |
| BASLINE CURVE DATA BOX (Used with GEOPAK Table Tutorial) | C = BLBOX | | |
| BASLINE SYMBOL | C = BL | | |
| CENTERLINE SYMBOL | C = CL | | |
| Block Number Double | C= BLOCKNUMBERD | | |
| Block Number Single | C= BLOCKNUMBERS | | |
| CONCRETE MONUMENT OPEN | C = MONSQ | | |
| CONCRETE MONUMENT SOLID | C = MONSQS | | |

| ELEMENT | TYPE | SYMBOL | Macro |
|---|------------|---|---------------------|
| CONCRETE R / W MONUMENT (R/W MONUMENTATION MAP) | C = MON |  | |
| COORDINATE DATA BOX (Used with GEOPAK Table Tutorial) | C = COORD |  | |
| CURVE DATA BOX (Used with GEOPAK Table Tutorial) | C = CURBOX |  | |
| CURVE DATA (English) (Used with GEOPAK Table Tutorial) | C = CDATA | CURVE P.I. STA. Δ = D = T = L = R = P.C. STA. P.T. STA. | |
| NORTH ARROW | C = NOARR |  | |
| PARCEL BUBBLE 100 | C = PB100 |  | |
| PARCEL BUBBLE 700 | C = PB700 |  | |
| PARCEL BUBBLE 800 | C = PB800 |  | |
| PARCEL BUBBLE 900 | C = PB900 |  | |
| PERMANENT R / W MONUMENT (R / W MONUMENTATION MAP) | C = PRWM |  | |
| PROPERTY LINE HOOK | C= PLHOOK |  | |
| PROPERTY LINE HOOK | C= PLHTOP |  | |
| PROPERTY LINE HOOK | C =PLHBOT |  | |
| PROPERTY LINE SYMBOL | C = PL |  | |
| ROD MONUMENT OPEN | C = MONRD |  | |
| ROD MONUMENT SOLID | C = MONRDS |  | |
| SEGMENTED CURVE CHORD DIST. / BEARING (Used with GEOPAK Table Tutorial) | C = SEGCUR | Δ = L = R = C.D. = C.B. = | |
| SPRING LINE (Place on Symbology of Assoc. Element) | C=SPRING |  | Place SpringLine |

4.13.14.3 Level / Layer and Symbology Standards

Refer to the Standard Rule Tables in Appendix A for the listing of the R / W (RWENG10) elements and their symbology. The list of elements shown may not contain all of the elements that appear within a R / W map, as this list would be extensive. The elements shown are those that are required for specific types of R / W maps.

All R / W Levels are ‘Critical’ levels, meaning that the attributes: Level, Color, Style and Weight will all be checked for QC compliancy. The exception is for Text levels, where the Style attribute will be set as Non-Critical and excluded from compliance checking.

Note R/W elements must match the standard symbology for the R/W file they reside in. Non-R/W elements will be drawn in the symbology of their intended file type. For example: edge of pavement drawn in RWDETL01.DGN would be given the symbology as if drawn for DSGNRD01.DGN. All R/W level symbology must use ByLevel settings.

4.13.14.4 R/W Workspace

The Department’s CADD Software incorporates features for R/W Mapping Standards compliance to assist R/W Mapping for Department projects. The **FDOT Right-of-Way Mapping** training manual is also provided to outline these tools and can be accessed from the CADD website:

<http://www.dot.state.fl.us/CADD/downloads/documentation/RightofWayMapping/RightofWayMapping.shtm>

Note FDOT State Kit for AutoCAD Civil 3D includes the same content in the R/W templates.

4.13.15 Construction Standards

The use and generation of CADD files by Construction must be in accordance with the general standards applied to all disciplines.

4.13.15.1 Standard File Names

The Department utilizes standard naming conventions for all of its files and provides automated tools that depend on this naming convention. The naming convention confers data information to the downstream customer.

➤ **Standard file names should follow this format: AAAABB##.ext**

Where **AAAA** = abbreviated file description, **BB** = Discipline Denotation, **##** =Sequence number.

The standard file names defined by the design discipline must be applied for CADD files generated in Construction, except the portion defining the discipline must be “CN” instead of “RD”. Example: *DSGNRD01.DGN* must be *DSGNCN01.DGN*.

Standard Model names are also provided, however, it is not mandatory to use more than the default model, with the exception of those listed in this table.

Note See Section 4.8 of this document for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

| File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|---------------------|----------|-----------|------------|--|--------|------------------------|------------------------|
| Cross Sections | X | PDXSCN## | rdxsrd | Pond Cross Sections | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| Cross Sections | X | RDXSCN## | rdxsrd | Roadway Cross Sections | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| Drainage | X | DREXCN## | default | Drainage Structures - Existing | drexrd | fdotseed2d.dgn | fdotmaster.dwt |
| Drainage | X | DRPRCN## | default | Drainage Structures - Proposed | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Drainage | X | DRXSCN## | rdxsrd | Drainage Structure Cross Sections | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| Existing Topography | | TOPOCN## | default | Topography - Existing | topord | fdotseed2d.dgn | survey.dwt |
| Proposed Design | X | DSGNCN## | default | Proposed Design | dsgnrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | X | DSPFCN## | default | Proposed Profile | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | SIGNCN## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| Proposed Design | X | TEXTCN## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| Traffic Control | X | TCDSCN## | default | Traffic Control Design | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Utilities | X | UTEXCN## | default | Utilities - Existing | utexrd | fdotseed2d.dgn | survey.dwt |
| Utilities | X | UTPRCN## | default | Utilities - Proposed | utprrd | fdotseed2d.dgn | utprrd.dwt |

4.13.16 Environmental Management Standards

The Environmental Management Office (EMO) has responsibility for the project development phase. The intent is to give latitude and discretion in performing project analysis, project development, preliminary engineering, public involvement and environmental required tasks while maintaining the necessary level of CADD standards for the products of EMO.

The Project Development and Environmental Clearance process is oriented to presenting the project to the permitting and regulatory agencies, politicians and the general public in a format which is clear and easy to understand. Production plans do not become important until after Location and Design Concept Acceptance is obtained. The goal is to create a presentation that is useful to the plans development process, but public presentation is the primary concern.

4.13.16.1 Standard File Names

The Department utilizes standard naming conventions and provides automated tools that depend on this naming convention being met. The naming convention confers data information to the downstream customer.

➤ *Standard design file names should follow this format: AAAABB##.ext*

Where **AAAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

Note See Section 4.8 for more information about Standard File Names. See Appendix A for the complete listing of level/symbology standards for each applicable CADD Standard Rule.

The following table defines the EMO File Name with each file including sequential numbering. Standard Model names are also provided. Unless otherwise specified, it is not mandatory to use more than the default model.

| File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|------------------|----------|-----------|--------------------------------------|---|--------|------------------------|------------------------|
| Borders & Sheets | | BDBREM## | default | Border Sheet Reference File for Bridge Hydraulic Sheet | planrd | fdotseed2d.dgn | |
| Borders & Sheets | | BDPLEM## | default | Border Sheet Reference File for Plan Sheet | planrd | fdotseed2d.dgn | |
| Borders & Sheets | | BDPPEM## | default | Border Sheet Reference File for Plan & Profile Sheet | plprrd | fdotseed2d.dgn | |
| Borders & Sheets | | BDPREM## | default | Border Sheet Reference File for Profile Sheet | plprrd | fdotseed2d.dgn | |
| Borders & Sheets | X | BDXSEM## | rdxsrd | Border Sheet Reference File for Cross-Section Sheet | rdxsrd | fdotseedxs.dgn | |
| Borders & Sheets | | GNNTEM## | default | General Notes | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Borders & Sheets | | LDPREM## | default | Lateral Ditch Plan / Profile Sheet | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Borders & Sheets | | PLANEM## | default | Plan Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Borders & Sheets | | PLAYEM## | default | Project Layout Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Borders & Sheets | | PLPREM## | default | Plan & Profile Sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Borders & Sheets | | PRDSEM## | default | Project Profile Layout | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Borders & Sheets | | PROFEM## | default | Profile Sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Clipping | | CLIPEM## | default | Clip Borders | cliprd | fdotseed2d.dgn | fdotmaster.dwt |
| Clipping | | MTPLEM## | default | Motif file for plan sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Clipping | | MTPREM## | default | Motif file for profile sheets | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Cross Sections | X | LDXSEM## | rdxsrd Rdxsrd Pattrd Xsshrd | Lateral Ditch Cross-Sections Lateral Ditch Cross-Sections Lateral Ditch Pattern Lines Lateral Ditch Shapes | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |

| File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|-------------------------|----------|-----------|------------|---|--------|------------------------|------------------------|
| Cross Sections | X | PDXSEM## | Rdxsrd_shg | Lateral Ditch Cross Section Sheets | pdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| | | | Rdxsrd | Pond Cross-Sections | | | |
| | | | Pattrd | Pond Pattern Lines | | | |
| | | | Xsshrd | Pond Shapes | | | |
| Cross Sections | X | RDXSEM## | Rdxsrd_shg | Pond Cross Section Sheets | rdxsrd | fdotseedxs.dgn | fdotmaster.dwt |
| | | | Rdxsrd | Roadway Cross-Sections | | | |
| | | | Pattrd | Roadway Pattern Lines | | | |
| | | | Xsshrd | Roadway Shapes | | | |
| Existing DTM | | GDTMEM## | default | Digital Terrain Model / TIN Model - 3D | gdtmrd | fdotseed3d.dgn | survey.dwt |
| Existing Topography | | TOPOEM## | default | Topography-Existing (Utility & Drainage not included) | topord | fdotseed2d.dgn | survey.dwt |
| Key Sheets | | KEYSEM## | default | Key Sheet | keysht | fdotseedkeymap.dgn | keysht.dwt |
| Project Network Control | | CTLSEM## | default | Project Control Sheets | planrd | fdotseed2d.dgn | ctlsrd.dwt |
| Proposed Design | | ALGNEM## | algnrd | Alignment Layout | algnrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | BKSWEM## | default | Back of Sidewalk Profiles | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | CURCEM## | default | Curve or Coordinate Data Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | X | DSGNEM## | default | Proposed Design | dsgnrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | DSPFEM## | default | Proposed Profile | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | INTDEM## | default | Intersection/Interchange Details | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | INTPEM## | default | Intersection/Interchange Profiles | plprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | MITGEM## | default | Mitigation Areas | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | PDPLEM## | default | Pond Design | drprrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | X | QTDSEM## | default | Quantity Computation Shapes/Calculations | qtdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | X | QUANEM## | default | Quantity Computation Details | qtdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | RWDTEM## | default | R/W Details for Roadway | rwdtrd | fdotseed2d.dgn | rwdtrd.dwt |
| Proposed Design | | SCGREM## | default | Selective Clearing & Grubbing Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | SIGNEM## | default | Digital Signatures | open | fdotseed2d.dgn | digitalsignature.dwt |
| Proposed Design | | SWPPEM## | default | Storm Water Pollution Prevention Plan | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Proposed Design | | TEXTEM## | default | Text Labels & Miscellaneous Descriptions | planrd | fdotseed2d.dgn | |
| Proposed Design | | WETLEM## | default | Wetlands Delineation Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Special Details | | SPDTEM## | default | Special Details Sheet | open | fdotseed2d.dgn | fdotmaster.dwt |
| Summary Boxes / Tables | | BRHYEM## | default | Bridge Hydraulics Recommendation Sheet | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Summary Boxes / Tables | | BXCLEM## | default | Box Culvert Wingwall Design & Special Details | drdrtd | fdotseed2d.dgn | fdotmaster.dwt |
| Summary Boxes / Tables | | CESSEM## | default | Summary of Pay Item Sheets | planrd | fdotseed2d.dgn | planrd.dwt |

| File Type | Critical | File Name | Model Name | File Description | Rule | MicroStation Seed File | Civil 3D Template File |
|------------------------|----------|-----------|------------|--|----------|------------------------|------------------------|
| Summary Boxes / Tables | | SUMQEM## | default | Summary of Quantities Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Traffic Control | | TCDESEM## | default | Traffic Control Design | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Traffic Control | | TCDETEM## | default | Traffic Control Detail Sheet | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Traffic Control | | TCGNEM## | default | Traffic Control General Note Sheets | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Traffic Control | | TCPLEM## | default | Traffic Control Plan Sheets | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Traffic Control | | TCTYEM## | default | Traffic Control Typical Section Sheets | tcdsrd | fdotseed2d.dgn | fdotmaster.dwt |
| Typical Sections | | TYPDEM## | default | Typical Data Sheet | typdrd | fdotseed2d.dgn | fdotmaster.dwt |
| Typical Sections | | TYPSEM## | default | Typical Section Sheets & Details | open | fdotseed2d.dgn | planrd.dwt |
| Utilities | | UTADEM## | default | Utility Adjustment Sheets | utadrdrd | fdotseed2d.dgn | utadrdrd.dwt |
| Utilities | | UTEXEM## | default | Utilities - Existing | utexrd | fdotseed2d.dgn | survey.dwt |
| Utilities | X | UTPREM## | default | Utilities - Proposed | utprdrd | fdotseed2d.dgn | utprdrd.dwt |
| Verified Utilities | | SBVHEM## | default | Summary of Verified Utilities (2D) | planrd | fdotseed2d.dgn | fdotmaster.dwt |
| Verified Utilities | | UTVHEM## | default | Survey of Verified Utilities (2D) | utexrd | fdotseed2d.dgn | survey.dwt |

4.13.17 *Specification Standards*

The Program Management Office develops and provides policies, procedures, training, and guidance to support the design, construction and maintenances of Florida roads and bridges, including Specifications, Estimates, Product Evaluation, Utilities and Local Agency Program. Specifications must be prepared in accordance with those policies and procedures. Documentation can be found on the Program Management website: <http://www.dot.state.fl.us/programmanagement/documents.shtm>

4.13.17.1 *Standard File Names*

For Digital Delivery Bid Sets, the Specification files are copied from the \specs\ sub-folder structure for delivery. Specification file naming convention for Digital Delivery submittals is: *fpid-SPECS[-].pdf*:

- ***fpid*** = full (11 digit) Financial Project Identification Number without dashes.
- **SPECS** = item description
- **[-]** = any additional naming specific to the project (optional)

Supplement file naming convention for submittals is: *fpid-SPECS-SUPP##[-].pdf*, where:

- ***fpid*** = full (11 digit) Financial Project Identification Number without dashes,
- **SPECS** = item description
- **SUPP** = Identifier
- **##** = sequential numbering of the supplements: 01, 02, 03, etcetera
- **[-]** = any additional naming specific to the project (optional)
- **BOE#** = Bases of Estimates – Pay Item number
- **TSP** = Technical Special Provision

| <i>Original Delivery</i> | <i>Supplement1</i> | <i>Supplement2</i> |
|------------------------------------|---|---|
| <i>fpid-SPECS[-].PDF</i> | <i>fpid-SPECS-SUPP01[-].PDF</i> | <i>fpid-SPECS-SUPP02[-].PDF</i> |
| <i>fpid-SPECS-TSP[BOE#](-).PDF</i> | <i>fpid-SPECS-TSP[BOE#]-SUPP01[-].PDF</i> | <i>fpid-SPECS-TSP[BOE#]-SUPP02[-].PDF</i> |

For Example: Begin with the *FPID* number, then the item description (SPECS), then supplement number (SUPP##), and finally any naming [-] specific to the project (optional).

This file naming convention allows project files to collate as sorted and combined in a single folder. Text, numbers and dashes are allowed. Characters that interfere with operating system path specifications or XML paths must be excluded, such as underline and spaces and (< \ . : , < & # >).

4.13.17.2 *Resource Files*

Statewide implemented specifications files are distributed by the State Specifications Office through the District Specifications Offices.

4.13.17.3 *Technical Special Provisions*

When the use of a Technical Special Provision (TSP) is authorized by the District Specifications Office, the PDF of the TSP file(s) is individually signed and sealed and also becomes part of the overall project’s Specifications package.

For Digital Delivery, certificate based Digital Signature must be used.

The TSP must include the electronic statement incorporated on the TSP cover page. When a TSP is manually signed and sealed, it must be scanned in grey scale for seal visibility and no electronic statement is needed.

When TSPs are combined into the overall Specification package, the Signatory(s) of the TSPs do not have to re-sign the combined documents. Add the image of the seal to the cover page of each TSP. The individual files for each TSP must be digitally signed and sealed.

4.13.17.4 File Structure (Specs Only Projects)

- Specifications Folder Structure
- Supplemental Specifications Folder Structure
- Technical Special Provisions (TSP)*

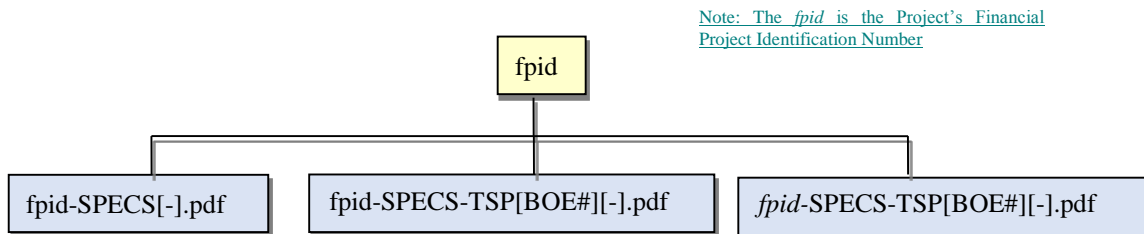
Note If a TSP is applicable to the project, then the folder for TSP(s) would apply to both the Project CD and Bid CD data set. Multiple TSP files may exist in the delivery.

The Specification Package is delivered as *fpid-SPECS.pdf*. Subsequent TSPs are delivered as *fpid-SPECS-TSP[BOE#].pdf* as shown in Chapter 5.8.

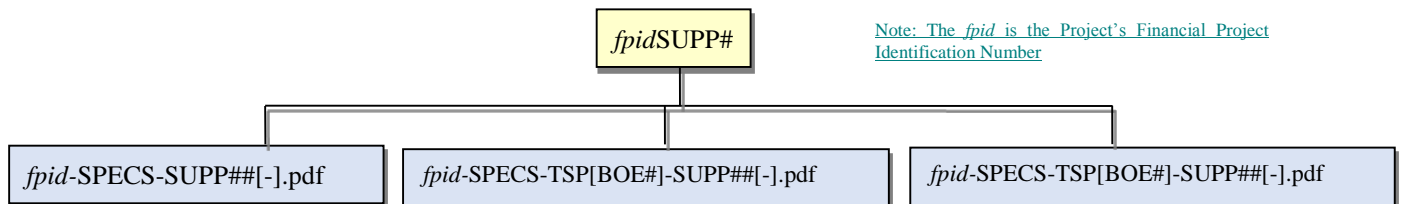
1. Create the project folder using all eleven digits of *fpid* Number. (i.e., 12345678900).
2. Inside the created (project) \FPID\ folder. This is where the Specifications package file (*fpid-SPECS[-].pdf*) is placed.
3. For Supplements, continue to use the ORIGINAL \FPID\ folder created in Step 1.
4. For Supplements. This is where the Supplement package file (*fpid-SPECS-SUPP##[-].pdf*) is placed.
5. Use digital signature to sign and seal the Supplement package file (*fpid-SPECS-SUPP##[-].pdf*).

Note **DO NOT** re-submit the entire Specification package for a Supplemental.

Example of a Specifications Only Package Folder Structure



Example of a Supplemental Specifications Only Package Folder Structure



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Chapter 5

DELIVERY PROCEDURE

5.1 PURPOSE

This chapter establishes the minimum requirements and functions necessary for Florida Department of Transportation (Department) CADD delivery, describing how electronic data is to be delivered and made available to customers.

5.2 SCOPE

This chapter covers the Department's functions to receive, authenticate, integrate, package, and distribute electronic project data including the CADD delivery.

5.3 DEFINITIONS

3D Design: The process of creating 3D Models for a project.

3D Model: A 3D model is a digital graphical representation of proposed facility/site data consisting of X, Y, and Z coordinates for producing objects in three dimensions to communicate design intent useful for visualization, analysis, animation, simulation, plans, specifications, estimates production, and life-cycle asset management. An accurately designed 3D model will be tied to a defined coordinate system.

Authentication: For Digital Signature, Authentication is the process where Digital Signatures are compared with identity data held by the issuer of a Digital Certificate (the Certificate Authority) to validate the identity of a Signatory; and that a document that has been signed with a Digital Signature has not been modified since signing. This is an automated process of the document software (such as with Adobe Reader or Acrobat) that provides feedback to the user that the file being examined is signed, the signatures are valid, and the document is unmodified since the Signatory signed it.

Automated Machine Guidance (AMG): Automated machine guidance is a process in which construction equipment is linked directly to the operation of machinery with a high level of precision, improving the speed and accuracy of construction processes. The AMG can utilize the GPS or robotic total stations for positioning information.

Certificate Authority: The 3rd party entity that issues the Digital Certificate to the professional signatory and validates the identity of the signatory.

Compliance Certification Checklist Report: A document that contains the data producers' written assurances that items required by the Department's Computer Aided Drafting and Design (CADD) Manual are included in the delivered project data and that certain Quality Control functions were performed.

Composite PDF: A document containing all of the plan sheet images composing the plans set in their index order. This document must be in Adobe Portable Document Format (PDF) format and reside in the project's root folder.

Digital Certificate: In cryptography, a digital certificate uses a digital signature to bind together a public key with an identity — information such as the name of a person or an organization, their address, and so forth. The certificate can be used to verify that a public key belongs to an individual. The signatures on a certificate are attestations by the certificate signer that the identity information and the public key belong together.

The type of Digital Certificates used for the Department’s design work must meet the Federal Government’s Access Certificates for Electronic Services (ACES) program. The Department currently uses IdenTrust (<http://www.identrust.com/government/index.html>) to provide those digital certificates.

Digital Delivery: The contemporary method of project file delivery that relies upon the composite PDF(s) of the plans and specifications being produced and delivered, a ZIP archive of the CADD and engineering data for the contractor’s use, and Digital Signature as the principal means to secure the composite PDFs of the plans and specifications files.

Digital Signature: Cryptographic data applied to an electronic file which is unique to the signatory, and is very difficult to forge. In addition, the digital signature assures that any changes made to the data or electronic file that has been signed cannot go undetected. A Digital Signature is much the same as a conventional handwritten signature that identifies a person signing the document. While traditional signatures are on paper, every digital signature stores information that will identify the person signing. There can also be information about changes made to a digitally signed document since the first signature was applied. In Digital Delivery, Digital Signatures are applied to Signature Sheet(s) in the plans or may be applied to documents that Professional(s) of Records are taking responsibility for.

Digitally Created Seal: An image of a seal created by electronic means and placed in an electronically produced document. In the CADD environment digitally created seals are usually placed by inserting a block / cell resembling an embossed seal. These may also be produced by means of a “stamp tool” in PDF editing software. The digitally created seal is an image to further communicate the idea that the adjoining digital signature appearance is the application of professional license. The digitally created seal is only an image and has no means of validation whatsoever. A digitally created seal is not to be confused with a digital certificate or digital signature. (For engineering seals see Florida Administrative Code (F.A.C.) 61G15-23.002 Seals Acceptable to the Board).

Digital Signature Appearance: A graphical representation that appears on an electronic document indicating that a digital signature has been applied. As a minimum the appearance must contain the name of the signatory and a date-time stamp at the instant of signature. When a digital signature is used as an application of a professional’s signature and seal, specific language must accompany the digital signature appearance. See the Department’s *Plans Preparation Manual* (PPM), Volume 2, Chapter 3 & Chapter 3 Exhibits for further explanation and examples. When the digital signature is an application of a professional engineer’s signature and seal, The Signature Appearance is not proof of authenticity, only that a signature was applied. Authenticity is proven through the Validation process (see Validation definition).

Digital Terrain Model (DTM): A DTM is a digital topographic model of the earth’s surface minus objects such as trees, vegetation, and structures that can be manipulated through computer-aided design programs. All elements of the DTM are spatially related to one another in three dimensions.

Early Works: Sheets inserted into the plan set that were prepared early in or prior to the design process. See section 5.10.1.1 below. **Project CD:** Media (CD, DVD, USB, etcetera) containing all data associated with a project. The contents must include the entirety of the Project Folder / Project Data Set.

Revision: Volume 1, Section 20.4 of the PPM defines a design revision as a modification to the PS&E Package/Bid Set after it has been accepted by Central Office Project Review.

Revision Set: The set of files that includes only the changed files from one revision to the next.

Sheet: A single page in a multipage PDF.

Signatory: The person or professional who secures files in a delivery using electronic cryptographic means such as Digital Signature. If the signatory is a professional, signatures will be governed by the rules defined by the Florida Boards of Professional Regulation. A professional may have multiple signatories for a project as needed by the revision process.

Signature Sheet(s): The Digital Delivery process uses a Signature Sheet to define a professional's area of responsibility for those portions of the document being digitally signed. Signature Sheet(s), in the case of a plans set, is one or more sheets following a Key sheet which bears the digital signatures of the Professional(s) of Records.

The Signature Sheet is a convenient location for placing a digital signature appearance when there are multiple individuals signing a plans set. By placing a digital signature on the signature sheet of a plans set, the Professional(s) of Record associates his/her professional signature with the entire plan set (for example: 61G15-23.004). Therefore notation must be provided on the signature sheet for a scope delineating the extent of the Professional's responsibility and an index of the specific sheets in the plan set for which the Professional is accepting responsibility (also 61G15-30.003 Minimum Requirements for Engineering Documents).

(See the Department's PPM, Volume 2, Chapter 3 & Chapter 3 Exhibits for further explanation and examples.)

Signing: Acts of securing a file or set of files by means Digital Signature (see above definition).

Signing and Sealing: Digital Signature relies upon Public Key Infrastructure to embed secure data into a file the Signatory is signing, or signing and sealing. Any restriction upon the scope of responsibility, usability, or reliability of the file being signed must show with the appearance of the digital signature in that document.

Sub-Consultant: A consultant, separate from the primary consultant, who performs work for a project under the hire of a prime consultant.

Sub-Delivery: A delivery of files made by a sub consultant to a consultant, prime consultant or project manager, where that delivery is only a portion of the overall project.

Surface: A surface, in the context of 3D engineered models, represents an element of design such as existing ground, final grading, or pavement in three-dimensional workspace. All elements of the surface are spatially oriented to one another.

Validation: Validation is done in Digital Signature; however the validating application will compare hashes embedded cryptically within the file against ones calculated "on the fly" to see if a document has changed. The Validation extends to the hosting application verifying the identity of Signatory by using the Root Certificate to make contact with the Certificate Authority over the internet and checking identity records to ascertain the authenticity of the Signatory.

5.4 REFERENCES

[Construction Project Administration Manual \(CPAM\) Topic 700-000-000](#)

[Federal Highway Administration - 3D Modeling](#)

[Florida Permanent Reference Network \(FPRN\)](#)

[IdenTrust](#)

[LandXML](#)

[Plans Preparation Manual Volume 1 & 2, Topic Nos. 625-000-007/625-000-008](#)

[State Construction - Multiline](#)

5.5 RECEIPT AND ACCEPTANCE OF ELECTRONIC DATA

The Project Manager is responsible for ensuring that the terms of the scope of services of a project have been met, including the assurance that the Department's Quality Control requirements were fulfilled during production of the electronic data.

➤ ***Receipt of Data***

The Project Manager must receive electronic data under a letter of transmittal.

➤ ***Authentication***

Upon receipt of the delivery media, the Department will validate all digitally signed files.

➤ ***Acceptance***

The Project Manager ensures that the delivery is checked for completeness and meets the terms, conditions and requirements outlined herein. Once the delivery has been determined to be compliant, a record of acceptance must be made.

5.6 ENGINEERING DATA SERVICES

Engineering Data Services is a *function (or functions)* within the Department for handling and re-distributing engineering and CADD data, including consolidation, packaging, archiving, and distribution of data belonging to a project.

➤ ***Contract Packaging***

Engineering Data Services must coordinate regarding contract packaging requirements for a delivery for a letting found in the [Plans Preparation Manual Volume 1 & 2, Topic Nos. 625-000-007/625-000-008](#)

➤ ***Archive and Security of Data***

Engineering Data Services must insure that prescribed safeguards for the data have been met and the archival package for data includes all electronic data available for a project. The data must be preserved where it can be retrieved at a future date meeting records retention standards set for such data.

5.7 PUBLICATION AND DISTRIBUTION

Engineering Data Services is responsible for publication and distribution of electronic data in accordance with procedures or requests, including but not limited to publishing electronic data to different media.

5.8 DIGITAL DELIVERY

Digital Signature is defined in *Florida Statutes 668.003* and uses a Digital Signature to secure files. Digital Signature is a “paperless” process that relies upon the intrinsic ability of the files themselves to encode cryptographic security features using a Digital Certificate issued to the Professional of Record.

The Digital Delivery comprises two parts:

Part that represents the work product of design in the full project directory structure.

Part extracted from the full project directory structure that will be provided to contractors as defined in 5.8.1 below.

5.8.1 *Production Deliverable Files*

Engineering and CADD data is to be provided to the contractor is to encourage the use of Automated Machine Guidance in Construction and to facilitate more accurate bidding. Advertising projects with both the CADD and Engineering Data is desired (i.e. LandXML of the project geometrics and surfaces).

Project design documentation (like pavement design report, typical section package, exceptions, variations, architectural calculations, drainage calculations, lighting design analysis report, permits, geotechnical reports, structural calculations, toll facility calculations, utility schedules, etcetera) will be delivered per PPM, Volume 1, Chapter 20. Some districts specify these documents be delivered under \admin\ or \calcs\ specific folders.

The Bid Set is made available to contractors for bidding during the advertisement period and generally includes:

- Plans Component PDF file(s) representing the Plans Set
- Specifications PDF file(s)
- Archival native CADD ZIP file
- Automated Machine Guidance files

Plans will be divided by plans components. The Department’s Standard Plans Component codes (corresponding to the component order defined in the PPM, Volume 2, Chapter 2 (component description in parenthesis) are as follows:

- 01 – Roadway Plans
- 02 – Signing and Pavement Marking Plans
- 03 – Signalization Plans
- 04 – Intelligent Transportation System Plans
- 05 – Lighting Plans
- 06 – Landscaping Plans
- 07 – Architectural Plans
- 08 – Structures Plans
- 09 – Toll Facilities
- 10 – Utility Work by Highway Contractor Agreement Plans

5.9 PRE-PRODUCTION

Pre-production activities involve the creation of a “seed” project to provide a framework for meeting the Department’s CADD standards and delivery requirements. Activities include the creation of the Project folder structure. The project must begin correctly so the Department’s standards for Delivery can be met.

The Department’s CADD Software Suite contains a tool to help create a Project folder structure with the appropriate project information. The newly generated Project folder structure and its content are referred to as the “seed project”.

For creating a “seed project” the *Create Project* application can be used to enter key financial, administrative and location data into the project as project identification information. This project identification information is contained in an XML file format (*ProjectID.xml*) stored in the _meta_info\ sub-folder of the project.

5.10 PRODUCTION

During the production phase, tasks are performed prior to the creation of the media for delivery of the data meeting the Department’s delivery requirements. The Department provides several applications and resources to aid the user to meet the Department’s specific requirements.

➤ **Tasks Performed During the Production Phase Include:**

- Follow the folder structure and file naming requirements for Delivery.
- Produce CADD design files to the Department’s CADD Standards, using the workspaces and resources provided.
- Assemble any non-standard user created CADD resources, such as custom created cell libraries, in appropriate folders and document their use.
- Document all approved deviations from the Department’s CADD Standards in the Project Journal file(s), including important applications, methods and decisions made during design. This is important for downstream users of data to follow in the designer’s footsteps.
- Create required Engineering Data and output files.
- Generate Quality Control (QC) Reports for all design files using the CADD QC tool provided. These reports indicate compliance to file naming and CADD element symbology standards.
- Merge any external project files into the project folder structure, including all files from sub-consultants, external reference files, scanned images for sheets (if any) and specifications documents.
- Bundle any non-standard graphics dependent resource files into the project sub-folders:
 - **\symb** - to include user created fonts, shape files and/or line styles/linetypes
 - **\cell** - to include project specific / user created cell or block libraries
- Check for any duplication of files and resolve. Remove non-essential file duplication. Remove non-essential “junk” files.
- Review the project for completeness, accuracy, and compliance with delivery standards. The application *FileChecker* is provided to help assist with this task.
- Create any files needed to support 3D modeling as required by the scope and to communicate design intention to the contractor.

5.10.1 Plans Component PDF Files

Each plans component will be delivered as a separate PDF file. Component file PDFs will have one of the applicable file names from the table below.

| |
|--|
| <i>fpid</i> -PLANS-01-ROADWAY.PDF |
| <i>fpid</i> -PLANS-02-SIGNINGMARKING.PDF |
| <i>fpid</i> -PLANS-03-SIGNALIZATION.PDF |
| <i>fpid</i> -PLANS-04-ITS.PDF |
| <i>fpid</i> -PLANS-05-LIGHTING.PDF |
| <i>fpid</i> -PLANS-06-LANDSCAPE.PDF |
| <i>fpid</i> -PLANS-07-ARCHITECTURAL.PDF |
| <i>fpid</i> -PLANS-08-STRUCTURES.PDF |
| <i>fpid</i> -PLANS-09-TOLLFACILITIES.PDF |
| <i>fpid</i> -PLANS-10-UTILITYWORK.PDF |

Each Plans Component PDF will contain all of the sheets in that component set in consecutive order and suitable for inclusion into the overall plan set. The only exception to this requirement is **Early Work** sheets discussed in Section 5.10.1.1 below. Each Plans Component PDF will have its own key sheet. In the event that there is more than one professional of record signing a plans component, a signature sheet(s) will be inserted directly behind the key sheet to contain the digital signatures. If a plans component or an early work sheet has only one professional of record signing, then NO signature sheet will accompany that component or Early Work sheet. In the instance of a single signer the digital signature appearance will be placed on the lead sheet in the set in the same location as a physical wet-ink signature and seal would appear; on the key sheet for a component set or the first sheet for an Early Work sheet set.

Produce Plan Component PDF's and Early Works Sheets in Black and White or Grayscale, unless color PDFs are required. Production of the PDF in color enlarges the file size considerably. All plans sheets must be produced in the PDF in the same reading orientation, preferably Landscape, with the title block displaying at the bottom of the sheet.

Note For strung projects, each "Lead" and "Goes-with" Project dataset and Bid Set data is delivered separately. Each "lead" and "Goes-with" will have its own set of PDFs, *fpid*-CADD.ZIP, etcetera.

5.10.1.1 Early Work Sheets of Plan Sets

Portions, certain Early Works sheets, of a plan set that are delivered early in the project development cycle as per the PPM may be digitally signed at the time of sheet development. In so doing, the professional of record signs said Early Works sheets only once when those sheets are completed, unless subsequent changes are made to the sheets.

Early Works may only be provided in one of four instances; Project Control, Geotechnical Core Borings, Verification of Underground Utilities Survey, or a Tree Survey. Each Early Work set is provided as a separate multi-sheet PDF file. Those PDF files will be named accordingly using the following file naming convention:

| | |
|-----------------------------------|---|
| Project Control: | < <i>fpid</i> >-PLANS-< <i>component code</i> >-< <i>component</i> >- PC .PDF |
| Geotechnical Core Borings: | < <i>fpid</i> >-PLANS-< <i>component code</i> >-< <i>component</i> >- COREBORINGS .PDF |
| Underground Utilities: | < <i>fpid</i> >-PLANS-< <i>component code</i> >-< <i>component</i> >- VERIFIEDUTILITIES .PDF |
| Tree Survey: | < <i>fpid</i> >-PLANS-< <i>component code</i> >-< <i>component</i> >- TREESURVEY .PDF |

Typically these are delivered with the roadway component. An example where the primary plans component is roadway (01-ROADWAY), early works are delivered is shown in the following table:

| |
|--|
| <i>fpid-PLANS-01-ROADWAY-PC.PDF</i> |
| <i>fpid-PLANS-01-ROADWAY-COREBORINGS.PDF</i> |
| <i>fpid-PLANS-01-ROADWAY-VERIFIEDUTILITIES.PDF</i> |
| <i>fpid-PLANS-01-ROADWAY-TREESURVEY.PDF</i> |

As another example, if the primary plans component is structures (08-STRUCTURES), then the early work sheets will be named as shown in the following table:

| |
|---|
| <i>fpid-PLANS-08-STRUCTURES-PC.PDF</i> |
| <i>fpid-PLANS-08-STRUCTURES-COREBORINGS.PDF</i> |
| <i>fpid-PLANS-08-STRUCTURES-VERIFIEDUTILITIES.PDF</i> |
| <i>fpid-PLANS-08-STRUCTURES-TREESURVEY.PDF</i> |

And likewise other plans components.

5.10.1.2 Plans Component PDF Deviation

In the rare event that the complexity and sheer size of a project dictates that the project be further subdivided than by the means provided by the above file names, an approval may be granted as follows:

- A request to deviate from the required process must be made in writing by the District Plans, Specification & Estimates Engineer to the Central Office, Program Management Office.
- The request must be specific regarding the proposed file structure and delivery method that will be used for the project in question.
- The request should be made as early in the design phase as practical, but no later than Phase III Plans Submittal.
- Central Office, Program Management Office will grant approval if the need for deviation is demonstrated and the proposed process is acceptable.
- An approval granted on one project may not be construed as to extend to other projects regardless of similar circumstances. Approvals are granted on a project by project basis.

5.10.2 Specifications PDF Files

- ***fpid-SPECS.PDF*** – Specifications PDF format file delivered separate from the project folder structure. This file is signed and sealed with Digital Signature.
- ***fpid-SPECS-SUPP##.PDF*** – Supplemental Specifications file signed and sealed with Digital Signature.

Note Refer to Chapter 4.13.17.3, Specifications Standards - Technical Special Provisions (TSPs) in the Bid Set.

5.10.3 CAD ZIP Files

An archive of the Project folder structure containing the CADD files (Native DGN's / DWG's of the platform used to design the project) and supporting data files from which the final plans were developed will be delivered in the format of a ZIP file (*fpid-CADD.ZIP*). This ZIP file is not signed and sealed and is delivered as a separate file outside of the project folder structure. The designer must determine which files should be included inside the *fpid-CADD.ZIP* file to support the plans and facilitate the contractor constructing the project. The folder structure inside *fpid-CADD.ZIP* closely resembles the Project Folder structure (as a sub-set), where files found in *fpid-CADD.ZIP* would be found at the same path as in the project Folder structure.

As a minimum, the *fpid-CADD.ZIP* should include:

- CADD Drawing Files (.DGNs, .DWGs, etcetera)
- Engineering Data Files (*described later in this chapter and prior chapters*)
- Summary of Quantity Sheet Backup Drawings (*includes data such as, shapes and area identifications*)
- 3D Deliverable Files (*a culling out of selected CADD and other files from the Project CD specifically for the contractor*)

DO NOT include the following files (and their variants) in the *fpid-CADD.ZIP*:

- *fpid-PLANS-<component code>-<component>.PDF*
- *fpid-PLANS-<component code>-<component>-REV##.PDF*
- *fpid-SPECS[-].PDF*
- *fpid-SPECS-SUPP##.PDF*

Note Because *fpid-CADD.ZIP* does not represent the entire Digital Delivery, certain tools, such as *FileChecker*, should not be run against only the contents within *fpid-CADD.ZIP*. *FileChecker* should only be run against the full Project folder structure containing all of the Digital Delivery.

5.10.3.1 Engineering Data

In addition to the delivery of the files produced during the course of development, the Department requires the inclusion of certain Engineering Data files for critical geometrics in the design. These can include the alignments, profiles, cross sections, and surfaces. Critical roadway geometric items, such as the centerlines and profiles of the proposed mainline, side streets, special ditches, and utilities, must be included.

➤ ***Delivery Standards for Engineering Data***

The required formats for Engineering Data files for a project as part of the Delivery includes LandXML, which covers basic geometry element types, and is readable by the Department's software systems, from both Bentley and Autodesk. In addition, LandXML may be consumed by many software used by the highway construction industry including AGTEK, Trimble, Carlson, and others.

The LandXML format defines data exchange format for basic roadway geometrics including:

| | |
|--|------------------------|
| Point data | Profiles |
| Curve data | Pipe Networks |
| Spiral data | Terrain Model Surfaces |
| Alignments (with station equations) | Survey Data. |
| Cross Sections (surface and design sections) | |

Note LandXML is also widely supported by many civil engineering software. Read more about LandXML at: <http://www.LandXML.org>

➤ ***Cross Sections***

Although LandXML defines a specification for the exchange of cross section data, the Department has legacy systems (*FDOT Multiline*) used in certain offices. Therefore, for GEOPAK designed projects, the designer must create and deliver cross sections in a text file format called Multi-line GEN. This format includes surface definitions such as existing ground terrain, and bottom of the proposed template, to define materials set forth in the Department's Design Standards Indexes 500 and 505. For Civil 3D projects, a detailed materials report for cross sections must be provided.

Note Users are strongly encouraged to reference the *MultiLine* application on the State Construction Office website at: [State Construction Office Downloads](#).

➤ ***Quantity Files***

Engineering Data supporting Quantity calculations must be delivered according to the guidelines and formats defined by the *Construction Project Administration Manual (CPAM) Topic 700-000-000* found at: <http://www.fdot.gov/construction/manuals/cpam/CPAMManual.shtm>

5.10.4 3D Deliverables - Automated Machine Guidance in Construction

3D Design and modeling is intended to facilitate Automated Machine Guidance (AMG) in construction. Both Bentley and Autodesk provide 3D Design tools and have been augmented through the Department's workspaces for the Department's projects and help support exporting data usable in AMG processes. AMG technology can reduce time and cost of construction because of greater productivity by equipment operators, fewer grade checks are needed, greener construction (less fuel and equipment wear), greater safety, less rework, and less survey staking required. Contractors invest in AMG for safety, productivity, and to stay competitive.

The benefits of 3D Design and AMG are well documented on the Federal Highway Administration web pages here: <http://www.fhwa.dot.gov/construction/3d/>

Some goals in providing the Engineering and CADD data to the contractor is to encourage the use of Automated Machine Guidance in Construction and to facilitate more accurate bidding. Other automation is also possible and BIM processes have demonstrated this automation in other industries. Advertising projects with both the CADD and Engineering Data is desired (i.e. LandXML of the project geometrics and surfaces).

In general, projects characterized by the following are the best candidates for modeling and AMG:

- Projects with large amounts of earthwork or paving, including new road construction or significant reconstruction. Resurfacing and RRR projects involving variable cross slope and superelevation correction are also good candidates. When scoping projects, preliminary design and planning should question why 3D Design should not be used, rather than if it should. As a matter of guidance, the designer should consider that if controlled cross sections are going to be needed in the plans to communicate design intent to the contractor, then the project is a good candidate for 3D modeling.
- Projects with a good GPS environment for receiving satellite signals, or enough line of sight for using total station and laser controlled systems. The Department's Florida Permanent Reference Network (FPRN) provides statewide GPS coverage: <http://www.fdot.gov/geospatial/FPRN.shtm>
- Projects with designs that are based on accurate existing ground Digital Terrain Models (DTM).

3D Design workflow must start at the beginning of the project and create the needed data from survey, and is contingent upon data being tied to an AMG field usable coordinate system. The Department requires projects to be performed on the State Plane coordinate system, and the vertical datum is referenced at time of survey activities. After design, the overall reduction of construction costs by modeling and AMG should be realized. For design, the 3D workflow enables the project development team to visualize potential impacts and promote intense collaboration during the planning and design process. Discovering design errors by inspection of the 3D models will reduce costly change orders during construction.

The use of modeling will eventually require conversion of CADD data and other model data to AMG formats. This conversion is the responsibility of the contractor, as the contractor may have special needs that the designer may not anticipate. However the formats of data delivered as prescribed by this Manual should enable successful translation by the contractor.

The electronic files delivered with the contract documents are provided as a courtesy to the contractor. The Department's Contracts Administration Office releases this CADD data with accompanying exculpatory language stating the contractor cannot use the data as a basis for claims. Contractors will be completely responsible for any data conversions or information derived from model data provided by designer. Post-design services may employ a designer to convert model data to needed AMG formats, or refine the models to meet contractor specific needs. Since the intention of the Department is to encourage 3D modeling and AMG in construction, requirements for accountability and certification of 3D models will also be forthcoming.

5.10.4.1 Types of Modeling Data Needed

➤ **Control**

The survey control for the design of the project needs to be clearly transmitted to the contractor, including the coordinate system and datum of that control. This is important because the contractor must calibrate his AMG equipment to that control upon which the design model is tied. The State Surveying and Mapping Office provides instructions for establishment and densification of field survey control, and the State Construction Office's Proposed Specification: **0050700 Control of the Work** has further guidance for AMG operations.

➤ **Alignments/PGLs**

As described in Section 5.10.2, LandXML file(s) of the controlling alignments and profiles that represent the controlling geometrics of the project will be delivered and can be extracted from other CADD files delivered. These tie all other data provided directly to the contract plans set. The data must be in the coordinate system of the control that can resolve to the field and be in harmony with all the other data that will be provided.

➤ **Surfaces**

Surfaces created by survey can represent existing conditions and those created during design using CADD software indicate the designer's intent. Surfaces representing existing conditions at the time of the survey used for design (the pre-design existing (Ground) surface), as well as the finished construction (Top) surface are delivered. LandXML Triangular Irregular Network (TIN) surfaces would typically be delivered for most projects and the same surfaces also delivered as 3D design files in their native CADD systems. Surfaces represented by LandXML files can become unwieldy for larger projects (surfaces should be represented in LandXML files of less than 500 MB per surface-file), so it may be necessary to subdivide a project's surface data into logical sections when delivering large LandXML surface files.

For Example: A relatively small TIN surface (i.e. 32,208 points, 63,462 triangles) can be represented as a LandXML file of approximately 5 MB. So a LandXML surface file of approximately 100 times this data content (about 3 million points) could be manageable as LandXML. Since LandXML is text-based, it will also compress significantly when creating a ZIP to deliver the data (for example, a 50 Megabyte LandXML file of a TIN surface will ZIP down to approximately 10 Megabytes for delivery).

Surfaces delivered in MicroStation DGN or AutoCAD DWG 3D design formats (meeting the Department's CADD standards for symbology) are most usable when each surface is separated into their own drawing files. Points and Break lines should be contained in the surface files.

Note If the native to CADD system used to produce those surfaces mentioned above also stores surface data in alternative formats, as such the case with GEOPAK: i.e. a .TIN, a GEOPAK .DAT, or an InROADS / GEOPAK Roadway Modeler .DTM, then those files must also be delivered.

Surfaces may also be needed in more common formats used in software by the contracting industry. Contractors have communicated a preference for AutoCAD 3D design formats (3D DWG and 3D DXF) which are exportable by both MicroStation and AutoCAD tools. Some contractors have also communicated the need for finished top surfaces to be "smoother" and be represented differently than in TIN formats. These finished surfaces can sometimes be exported in alternate 3D representations called "mesh," "grid," or "lattice" surfaces depending upon which design platform is used.

➤ **Break Lines**

Hard surface breaks must be respected during construction (i.e. edges of pavement, shoulder breaks, etcetera) and need to be provided to enhance the surface data. These aid the field AMG equipment operator during grading and string-less staking operations by preventing the "shaving" that could occur as the equipment transitions the break.

➤ **Denigrating Geometry**

When finishing drawings, 2D & 3D controlling geometry is to be represented by basic vector geometry types such as lines, arcs, and polylines. This Geometry should not be combined into Blocks or Cells which destroys any attached original design intelligence.

5.10.4.2 3D Deliverables Supporting AMG for 3D Designed Projects

The following table describes the file(s) to be provided for construction. Contractors have requested the Department isolate the CADD and LandXML files they would typically need with a consistent name scheme. These files are usually copies of files already produced in the ordinary course of 3D Design CADD work and copied to a convenient folder location (\3DDeliverables\) for the contractor's usage. The Department provides a tool called *Create3DDeliverables* to aid designers in this process for the contractor.

| 3D DELIVERABLES SUPPORTING AMG for 3D PROJECTS | |
|---|---|
| File Name <i>(put in \3DDeliverables\)</i> | Description |
| Design Alignments and Profiles | |
| AMG-ALGN##.xml | All Alignments and Profiles extracted from the \Roadway\ALGNRD, PROF or model files and \Roadway\DSGNRD or CORRRD files in LandXML format. |
| 2D Proposed Planimetrics Design | |
| AMG-2DSGN##.dwg/dgn | 2D proposed Roadway design extracted from the \Roadway\DSGNRD file. (Production of this file for construction is at the designer's discretion.) |
| AMG-2DRPR##.dwg/dgn | 2D proposed Drainage design extracted from the \Roadway\DRPRRD file. (Production of this file for construction is at the designer's discretion.) |
| AMG-2PDPL##.dwg/dgn | 2D proposed Pond design extracted from the \Roadway\PDPLRD file. (Production of this file for construction is at the designer's discretion.) |
| 2D Existing Survey <i>(Note: These are being considered to merge into a single survey Planimetrics file)</i> | |
| AMG-2TOPO##.dwg/dgn | 2D proposed existing Topography extracted from the \Survey\TOPORD file. (Production of this file for construction is at the designer's discretion.) |
| AMG-2DREX##.dwg/dgn | 2D proposed existing Drainage extracted from the \Survey\DREXRD file. (Production of this file for construction is at the designer's discretion.) |
| AMG-2UTEX##.dwg/dgn | 2D proposed existing Utilities extracted from the \Survey\UTEXRD file. (Production of this file for construction is at the designer's discretion.) |
| 3D Existing Survey Surfaces | |
| AMG-3SURFACEEX##.xml | 3D existing terrain surface to be exported from the \Survey\GDTMRD file as LandXML format. (Production of this file for construction is at the designer's discretion. This file will be produced if the 3D Existing Surface dwg/dgn file(s) are not produced.) |
| AMG-3SURFACEEX##.dwg/dgn | 3D existing terrain surface to be exported from the \Survey\GDTMRD file. (Production of this file for construction is at the designer's discretion. This file will be produced if the 3D Existing Surface LandXML file(s) are not produced.) |
| 3D Proposed Surfaces | |
| AMG-3SURFACEPR##.xml | 3D proposed finished (top) surface to be exported as LandXML format from the \Roadway\AMGMRD file. (Production of his file for construction is at the designer's discretion. This file will be produced if the 3D Proposed Break line(s) dwg/dgn file is not produced.) |
| 3D Proposed Break Lines | |
| AMG-3DSGN##.dwg/dgn | 3D proposed Roadway design extracted from the \Roadway\DSGNRD file. (Production of this file for construction is at the designer's discretion. This file will be produced if the 3D Proposed Surface(s) LandXML file(s) is not produced. Geometric elements should be in vector.) |

Note All LandXML .xml files must use the LandXML 1.2 schema published at <http://www.LandXML.org>

5.10.4.3 Maximum Corridor Frequency Interval Spacing for 3D Design

Design software used by the Department samples the 3D corridor models at user defined intervals in order to create surfaces. To ensure reasonable fidelity in surface models for AMG operations, maximum sampling intervals are described below:

Note The designer may choose to sample more frequently to more accurately represent his design model, although there is a limiting return (larger files and poorer computer performance) if sampling too frequently. Designers must balance these competing consequences when deciding appropriate sampling frequency for their projects.

| Facility | Design Speed < 45 MPH | Design Speed > 45 MPH |
|----------------|---------------------------|-----------------------|
| Rural Sections | maximum corridor interval | |
| Tangents | 20 feet | 20 feet |
| Curves | 10 feet | 10 feet |
| Intersections | 5 feet | 5 feet |
| Urban Sections | maximum corridor interval | |
| Tangents | 10 feet | 20 feet |
| Curves | 5 feet | 10 feet |
| Intersections | 2 feet | 5 feet |

Additional sampling intervals will normally be needed at critical regions in horizontal geometry stations (i.e. PC’s, PT’s), superelevation transition locations, and at profile geometry critical locations (i.e. PVC’s, PVT’s, and profile high/low points). The designer must also add sampling at other critical regions along the corridor, such as changes of typical section, critical drainage locations, approach and interior to intersections, and median crossovers.

5.10.4.4 Quality Control of Corridor Models and Extracted Surface

3D Design for roadways is intended to produce output of a corridor model from which surfaces may be derived. It is incumbent upon the designer to verify these corridor and surface models representing their design intent so the resulting models and data derived from them can be relied upon. The previous Section describes maximum sampling intervals for developing corridor models based upon facility and design speed; however more frequent sampling may be required to achieve the desired accuracy or resolution of the 3D model.

There are several methods that can be used to check the “quality” of the proposed models and surfaces, and many checks rely upon visualization techniques on the data. These can include:

- Visual inspection through examining the models/surfaces using 3D perspective views and orbits. The Z (elevation) can sometimes be exaggerated during these operations to show discontinuity in the surfaces where problems might lie.
- Visual Inspection through examining the models/surfaces using drive through and fly through view manipulations and animations. Other simulation techniques can be employed also.
- Contouring the surface models and examining the resulting contours.
- Surface display by means of rendered/stylized surfaces (and solids). In some software these views can be thematically colored and or shaded, indicating slope or elevation change.
- Cross Section and Profile extraction - Do these extractions corroborate the contract plans? Equally, are plan sections and profiles contemporary with the model?
- “Rain Drop” analysis to see where water distributed over a surface would flow or accumulate if the surface were treated as if it were impervious and perfectly smooth.

- Representing elements in either wire-frame or as solid bodies, where they can be examined for conflict or “interference” relative to neighboring or crossing elements.
- Use of temporary dimensioning and labels to test the models elements for appropriate length, elevation, slope, etcetera.
- Design criteria can also be checked for critical design standards such as sight distance, K-value, rate of curvature, cross slope, and curve widening criteria.

Note Visualization can be embellished with applications of various rendering materials, lighting, and shading.

5.10.5 Merging External Project Files

Files must be merged into the main Project folder structure prior to the project delivery. These include CADD system dependency files, and files provided from outside sources, such as those produced by sub-consultants.

➤ **CADD System Dependency Files:**

Certain CADD references might reside external to the project folder during the production phase. Before delivery to the Department, these files must be placed in the appropriate locations within the Project folder structure. It is strongly recommended that these files be included in the Project folder structure early on in project development and verified that referencing functions work properly.

Note Reference files must also be attached without the “save full path” option, and should be located by their relative paths from the root of the Project folder.

For printing purposes, any user created custom line style/linetype, font resource, and cell / block library files used for the project must be included with the project in the sub-folder \symb\. In addition, any external design files that are referenced, such as sheet border files, must be copied to the project folder. This allows the view or recreation of prints matching the original delivery for future customers of the data.

Note The designer does not need to include the Department’s standard CADD resources delivered in the Department’s CADD Software (either MicroStation or AutoCAD resources). However, the Department’s CADD Software version information must be provided in the Project Journal.

➤ **Files from Outside Sources:**

Files that come from an outside source include files produced by a sub-consultant. Files from sub-consultants must be delivered to the primary consultant, or the Department’s designer, following the same requirements for Delivery.

➤ **Merging Previously Digitally Signed Documents:**

Once a document is signed using a digital certificate, the document is valid when it is completely unaltered. Merging two or more documents together, even if those documents are signed and completely valid independently, produce a completely new document - thus an altered document. When merging previously signed documents, the PDF editing software will strip off all digital signatures that have been applied.

In situations where it is necessary to merge previously digitally signed documents, retain the original signed documents from which the merged document is produced. If it is necessary for the merged document to be signed, then it must be signed by the original signatories or their successors.

5.10.6 *Reviewing the Project*

A basic Compliance Certification Checklist Report is found in Section 5.10.9 may be employed to help the data producer consider critical items in their QC review for delivery. The Department's CADD Software Suite provides tools (including *QC Inspector* and *FileChecker*) to help ensure quality control which helps enable a successful review. One must use due diligence to make sure all delivery requirements are met.

Note Some of the Department's Districts may have their own supplemental checklists. Contact your District Project Manager for additional District specific supplemental delivery requirements.

➤ **Example: Some items to review would include:**

- Take particular care to look for missing sheets, gaps in the sheet numbering, duplicate sheet numbering, etcetera. Check for misspellings in sheet borders and other grammatical errors.
- Take particular care to find multiple files in the Project folder structure with the same file name, but different content, which must be resolved. Likewise, find files with the same content, but different filenames (which could occur as with the case of the files beginning with "AMG..." as described previously).
- Make certain the Professional of Record Note appears on plan sheets indicating the source of the official record.
- Ascertain whether the Component PDF's and Early Works Sheets contains all sheets, in a properly indexed order, and is scaled and rotated properly.
- Validate the digital signatures of signed files.
- Confirm that the Project Journal(s) are complete and accurate.

The Department's tools mentioned should be used to find and resolve potential issues, but they are only tools to aid the producer in their Delivery. It is the responsibility of the producer to perform a thorough review. This procedure does not prescribe every potential item that might need to be checked.

5.10.7 *Sign and Seal Project Files*

Digital Delivery uses Digital Signature for documents and complies with *Florida Administrative Code* governing the specific discipline for the professional signing those documents.

Regulated transactions, such as the development and submission of engineering plans, specifications, reports, and surveys, require high assurance when signing documents. When documents are distributed electronically it is important that recipients can:

- Verify document authenticity - confirming the identity of each person signing the document
- Verify document integrity - confirming that the document has not been altered

Certificate-based signatures provide both of these security services. The Department chose to use certificate-based digital signature infrastructure using third party certificate authorities to provide independent identity validation. Once certificate-based digital IDs are acquired by professional Signatories, PDF software can be used to sign PDF files and validate files received from others. In addition, the Department provides a tool, *XML Signer*, to digitally sign any XML based file with a Digital Certificate. Likewise, any applications that support Digital Signature with public key infrastructure can be used to sign their respective files.

Digital Signature allows one to:

➤ **Sign Documents:**

- Sign PDF files using certificate IDs
- Place a signature box anywhere on the appropriate page or sheet
- Add multiple signatures to a document or page
- Add a time stamp to the document
- Certify a document with a visible (or hidden) signature to enable recipients to verify authenticity with or without seeing a visible signature on the currently viewed page
- Automatically embed certificate data to support long-term validation

➤ **Validate Documents:**

- Validate all signatures, confirming the identity of everyone signing the document
- Validate document integrity by tracking all previously signed versions of a document to verify changes made during the document's lifecycle

➤ **Set Privileges and Permissions for Others:**

- Certify a document while leaving portions available for form filling, additional signatures, or comments
- Lock a PDF document with a Certificate ID to restrict editing or copying

5.10.7.1 Digital Certificates

An Access Certificate for Electronics Services (ACES) digital certificate is used to ensure identity, authenticity and accountability in citizen-to-government, business-to-government, and government-to-government electronic transactions. An ACES digital certificate is an electronic identity issued by a Certification Authority that establishes an individual's identity per the Federal Government Services Administration (GSA) standards when using electronic transactions. There are several 3rd party Certificate Authorities that issue ACES certificates. The Department internally uses ACES certificates issued by IdenTrust: <http://www.identrust.com/fdot/index.html>. The Department's Office of Information Technology (OIT) has recently adopted additional Certificate Authorities found here:

<http://www.dot.state.fl.us/OIS/ApprovedDigitalCertificateAuthorities.shtm>

When applying Digital Signatures, many software applications allow the signature to have an "appearance." As a minimum, use an appearance with the text name of the Signatory and the date-time stamp at the instant of signing. (See PPM Volume 2, Section 3.3.2)

- ❖ Do not include any additional watermark or overlay.
- ❖ Do not include an image of the "wet ink" signature of the Signatory (a violation of Board rules).
- ❖ Do not include company logos, or other images within the Digital Signature appearance.

The reason (text) for signing may be placed in a text block within the drawing where more space is available. The image of an impression seal may also be included, but is not part of the Digital Signature itself. For the Department's Plans are provided with the CADD Software Suite that contain images of seals and may be found in the *Seals.cel* or *Seals.dwg* Cell / Block Library(s).

5.10.7.2 Managing Digital Certificates

ACES Digital Certificates uniquely identify an individual. As such, these certificates must be closely guarded against unauthorized usage. Digital Certificates used for signing and sealing must be "Under the sole control of the person using it", as stated in Florida Administrative Code 61G15-23.004 and others. Install certificates using "High" security options and disallow exportation of certificates from the primary Professional of Record (POR) workstation. The POR may not "delegate" the use of a digital certificate by sharing a certificate, sharing a password, or otherwise compromising sole possession and use of the certificate.

5.10.7.3 Multiple Signature Sheets

In situations where there are multiple signatories for a plan set where there are too many to list on a single signature sheet, multiple signature sheets may be added to the plan set. All signature sheets for a given component must be placed successively after the component Key Sheet.

Please refer to the Department's *PPM, Volume 2 Section 3.3* for examples:

<http://www.dot.state.fl.us/rddesign/PPMManual/2016/Volume2/V2Chap03.pdf>

Note Finished sheets digitally signed and sealed must bear the Professional of Record Note as shown in the Department's *PPM* Exhibits. The note must be applied before signing and sealing and final delivery.

5.10.7.4 Securing the Project for Delivery

Digitally signed documents have the security key information embedded in the files themselves. Digitally signed files are secured and authenticated using commercially available software (Adobe, Bluebeam, and etcetera).

5.10.8 Legacy Electronic Signature Projects

Provenance and uninterrupted legal record of the project data must occur, whether it be by product or management practice. Therefore it is important that both the data producer and the Department make a sensible effort to ensure the documents supporting the digital signing and sealing of files by a professional signatory and the securing of the delivery be preserved in a manner consistent with those responsibilities under the rules of the Boards of Professional Regulation in Florida.

For projects that were once performed under the old Electronic Delivery process, the Department will maintain the paper copies of PEDDS Signature and Manifest documents until it is determined how these records may be preserved in other media that meets the requirements of the Florida Boards of Professional Regulation.

5.10.9 Media Requirements for Delivery

All electronic projects submitted to the Department must be on write protected physical media (CD-ROM or DVD-ROM) unless otherwise approved by the Department's District PS&E Manager or Program Management Administrator. Use only 1st Class archival quality writable media.

If the project is too large to fit on one CD/DVD, then the process for delivery to the Department's must be reviewed with the Department's Project Manager before splitting the project on multiple CD/DVDs or choosing an alternate media. If approved by the appropriate authority other means of transmission of data, such as File Transfer Protocol (ftp) or File Transfer Appliance (FTA) may be used.

➤ **All Physical Project Media Must have a Project Identification Label with the Following:**

- Financial Project ID Number of Project
- Project Description (*including County and State Road numbers, local road designation*)
- Firm or District Performing the Work
- Name of the Department and Consultant Project Manager(s)
- Creation Date of the Media
- Disk (#) of (Total #) (*if multiple ROMs are needed*)
- Delivery Type Label (*Project CD, Bid CD, etcetera*)
- Anticipated Letting Date for the Project

With the increase of storage capacity and more cost efficiency of USB removable memory drives (thumb drives), use of this media will grow in popularity for the Department's Deliveries.

If memory drives are used:

- *The physical drive must be labeled with the Project Identification (fpid) number and District as a minimum.*
- ❖ A text file must be included on the media's root folder (not Project folder) containing the Project Identification label information and Transmittal Letter containing the same.

5.10.10 Compliance Certification Checklist Report

All Department Project deliveries must be provided to the Department's Project Manager, unless an alternate agreement is reached, along with a Compliance Certification Checklist Report (or similar document).

Note Department's Districts may use a more comprehensive form in their QA process than the following example. The Department prefers this or similar documentation of QC compliance be submitted digitally and included in the \admin\ or \data\ project sub-folders.

All electronic data submittals are to be transmitted to the Department's Project Manager. At a minimum, the following questions must be addressed before submittal, and this or a similar checklist given to the Project Manager along with the submittal.

1. Have Project Journal(s) been created containing all necessary project information?
2. Is the listing of the software packages and versions used to create all delivered files included in the journal?
3. Are all the native files generated by the CADD/Design software in checklist item 2 included in the delivery package?
4. Are design files compliant with the Department's CADD Standards for folder structure, file naming, and element symbology?
5. Does the submittal include all user-created CADD System resource files (line styles/linetypes, fonts, etcetera) that may have been used with the project?
6. Has the QC software been run against the design files? Are the resultant QC Reports of compliance included in the delivery submittal? Has FileChecker been run to verify folder structure, file naming standard, etcetera?
7. Have the prescribed engineering data files been created and submitted for the control, alignments, profiles, and surfaces in the formats? Is this information stored in the appropriate directories?
8. Where Multi-line (GEN) general file format files created and included for the surfaces representing the cross sections? Have LandXML files of the critical geometrics and surfaces been produced and delivered?
9. Have images for the plans been checked and included for all sheets in the plan set? PDF format? Checked for sheet size, scale, and rotation/orientation?
10. Are the files representing the plans, referenced by the Department's Plans Preparation Manual, Chapter 19 signed and sealed? Is the Electronic Plan Note on each sheet?
11. Has Digital Signature been applied to the correct files signed with the appropriate Digital Certificate and independently validated?
12. Has the final media for submission been properly labeled and re-checked to make sure the data is readable and can be authenticated?
13. For projects that were scoped for 3D Design deliverables, have the 3D surface models (Ground and Top) been delivered in the formats prescribed?

FPID:

Date of Scope:

Certified by EOR:

5.11 POST-PRODUCTION

The “Post-Production” involves the review and acceptance of a Delivery and making that Delivery available to the Department’s internal services for posting. Functions include: receipt and authentication of delivery media and placement of project data into systems for general.

Upon receipt of the secured Delivery package and the accompanying documents, the Compliance Certification Checklist Report(s) must also be reviewed for completion and the signed files must be opened and authenticated.

Note Following the requirements within this Manual does not guarantee an acceptable work product, as this procedure does not address the quality of the engineering or survey work performed.

Once the Delivery is accepted, the electronic project will be imported into the Department’s file management systems for subsequent use. Copies of the submittal media will be distributed among various stakeholders, such as Construction and Maintenance.

5.12 REVISIONS

Revisions to the Department’s projects require the files that have changed since the previous delivery. Revision files use the original file name with a “-REV##” suffix after the file type; CADD, PLANS, SPECS.

As an example, the first revision to a Roadway Component will be named as follows:

fpid-PLANS -01-ROADWAY-REV01.PDF

The first revision to Project Control, Early Work sheets as part of a Roadway Component, for example, will be named as follows:

fpid-PLANS -01-ROADWAY-PNC-REV01.PDF

A second revision will have a “REV02” suffix, third revision will have a “REV03” suffix, and so forth.

The designer must deliver:

- ❖ Ensure the Department has a complete copy of the original Delivery:
 - The native CADD files delivery *fpid-CADD.ZIP*
 - The plan component PDF files *fpid-PLANS-[component code-component].PDF*
 - The initial specifications document *fpid-SPECS.PDF*
 - The initial Technical Special Provisions *fpid-SPECS-TSP[BOE#].PDF*

- ❖ The Revision: (The Bid Set must only contain the changed files in the revision/supplement.)
 - *fpid-CADD-REV01.ZIP*
 - *fpid-PLANS-[component code-component]REV01.PDF*
 - *fpid-SPECS-SUPP01.PDF*
 - *fpid-SPECS-TSP[BOE#]-SUPP01.PDF*.

- ❖ The complete Project folder structure with all contemporary files included.

5.13 STRUNG PROJECTS

Digital Delivery requires that each “Lead” and “Goes-with” project to be delivered as separate datasets under their own *fpid*, and never combined or intermingled in their respective project folder structures. Strung projects are delivered in separate folders just as individual projects in the above procedure. These ARE NOT combined under a folder with an ETC suffix.

5.14 RE-LET PROJECTS AND ROLL BACK REVISIONS

In rare cases, the Department must Re-Let a project. If no revisions have occurred to the project set for Re-Letting, the Department will simply re-advertise and Let the project with the submitted Project CD or Bid Set CD data. However, if a revision has been applied to the project set for Re-Letting, then the revision is no longer relevant. The Re-Let project is essentially an original letting all over again. In this case, the data producer may be asked to Roll Back the revision indexing as if the Delivery were an original Delivery. This could involve updating the plan sheets to remove the revision enumerations. The changes to plans that were once identified as a revision are now considered simply a plan change.

5.15 DESIGN BUILD PROJECTS

The Scope of Services between the designer and contractor defines the deliverables to one another. If either party is bound by agreement to make a delivery of data to the Department, then the guidance for Digital Delivery should be applied.

Chapter 6

SUPPORT

6.1 PURPOSE

This chapter establishes the primary components of Florida Department of Transportation (Department) Computer Aided Design and Drafting (CADD) support structure and services, including the statewide training, and defines the applications and tools supported by the Production Support Office | CADD (CADD).

6.2 SCOPE

This procedure establishes the hierarchy of CADD-related support roles and responsibilities from the peer level to the statewide level of the CADD, the District CADD support function, and the Technical Advisory Committees (TAC).

6.3 REFERENCES

The Department's CADD *Customer Support Guide*:

<http://www.fdot.gov/cadd/downloads/publications/CADDSupportGuide/CADDSupport.shtm>

6.4 COMPONENTS OF CADD SUPPORT

The Department supports a core group of CADD software products for in-house production as specified herein. Consultant support is generally limited to the Department developed CADD software modules, interfaces, and configurations. The statewide support is coordinated through the CADD. A list of the current versions of the supported products, with some accompanying technical documentation, is available from the CADD website:

<http://www.fdot.gov/cadd/main/Version/CurrentVersions.shtm>

Most of the core CADD software products are commercial programs that the Department has purchased a license to use. Note that the Department makes no warranty, expressed or implied, as to the documentation, functionality or performance of these or other Department developed programs described herein.

The primary components of CADD Support structure include: Systems Support, Operational Support, and Training.

6.4.1 *Systems Support*

CADD manages and coordinates the testing, selection, procurement, and maintenance of CADD applications.

6.4.2 *Operational Support*

CADD manages and coordinates the development, enhancement and support of the CADD software applications used by the engineering community to perform the Department's CADD production.

6.4.3 Training

CADD manages and coordinates the provision of CADD technical materials and education to assist in maintaining user proficiency. Systems Support, Operational Support, and Training is also coordinated with assistance from the district CADD Managers and/or OIT personnel assigned to support CADD.

6.5 HIERARCHY OF CADD SUPPORT

The CADD statewide support structure provides for the handling of support at different levels for each of the support components. Users must seek support at the lowest level before escalating a support request to the next level.

The Department's CADD *Customer Support Guide* also outlines the escalating hierarchical support structure and provides detailed product information for the user to access support and assistance for each. The *Customer Support Guide* can be downloaded from the CADD Publication website:

<http://www.fdot.gov/cadd/downloads/publications/CADDSupportGuide/CADDSupport.shtm>

6.5.1 Systems Support

➤ **First Level:**

- The First Level of Systems Support is the District staff. The District CADD IT contact or CADD Manager is the primary liaison with Central Office for addressing CADD systems issues. District CADD systems support activities involving the CADD Manager and/or OIT personnel include the following: Assist with identifying the users' hardware and software needs.
- Distribute and setup equipment and CADD software.
- Provide input for the statewide procurement.
- Provide day-to-day technical support of the computer hardware and CADD software systems used in the District.

➤ **Second Level:**

- The Second Level of Systems Support is the OIT staff. The OIT support responsibilities include the following: Manage the budget for procurement of CADD hardware.
- Procure CADD hardware and maintenance.
- Provide inventory management associated with the statewide CADD hardware.
- Provide as-needed technical support of the hardware.

6.5.2 *Operational Support*

➤ **First Level:**

The First Level of Operational Support is *Peer Support*.

➤ **Second Level:**

The Second Level of Operational Support is through the *Technical Advisory Committee (TAC) Members Support*, who represents the districts and disciplines on task teams to communicate and resolve support issues of statewide interest.

➤ **Third Level:**

The Third Level of Operational Support is the *District Support Staff*, including, but not limited to, CADD Managers, CADD IT contacts, and engineering services personnel. These support personnel, collectively, are responsible for supporting the core CADD software products for each respective district.

➤ **Fourth Level:**

The Fourth Level of Operational Support is the *CADD Support Staff*. The CADD is responsible for the Department's application development, enhancements, and support. CADD will provide support assistance or will procure required services as necessary, coordinating support requests, including those to CADD software vendors.

6.5.3 *Training Support*

CADD manages and coordinates the statewide CADD training program for the Department's personnel. The CADD training program may encompass the core CADD Software and CADD production procedures.

The District CADD Managers, District and Unit Training Coordinators, and/or OIT personnel assigned to support CADD are responsible for respective District CADD training coordination.

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Chapter 7

SOFTWARE DEVELOPMENT AND DISTRIBUTION

7.1 PURPOSE

This chapter establishes how Florida Department of Transportation (Department) Computer Aided Design and Drafting (CADD) software is developed, tested, approved and distributed.

7.2 SCOPE

This chapter applies to all of the Department's supported CADD Software products procured or developed to produce the Department's projects and covers the steps used to develop, test, approve and distribute these CADD Software products. This CADD Software is the responsibility of the Production Support Office | CADD (CADD) and other designated offices.

7.3 DEFINITIONS

Alpha Testing: Initial testing of CADD software products or enhancements by the development staff and testing by the support staff outside of the development environment.

Beta Testing: Secondary testing of CADD software products performed in a production-like environment by end-users.

Beta Testing Coordinator: An individual responsible for facilitating the beta testing of CADD software.

7.4 DEVELOPMENT

Development encompasses new CADD software applications, enhancements to existing CADD software (added features), and the maintenance releases (bug fixes) of CADD software. Development is based upon needs identification and may include the purchase of commercial software when appropriate.

CADD software needs are communicated to the CADD by user requests or by Technical Advisory Committee(s) (TACs). The CADD also identifies needs based upon experiences with CADD support activities and the evolution of trends in the CADD software industry.

Development request specifications compiled by CADD may be coordinated with the appropriate TAC(s), CADD Managers and OIT personnel assigned to support CADD.

7.4.1 *Development or Acquisition*

The Statewide CADD Coordinator will decide whether to develop CADD software in-house, contract for development services, or purchase a CADD software commodity. The CADD will keep the user community informed as to procurement status (including training and implementation schedules) of major CADD development projects of statewide interest.

7.5 SOFTWARE UPDATES

The Department's Computer Aided Design and Drafting (CADD) Software is upgraded periodically and as needed to issue enhancements and fixes. Updates occur for major releases (generally released when major upgrades to platform CADD software by our vendors becomes available), or when major upgrades to the Department's design standards are implemented. Interim Maintenance Releases and Hot fixes (released as required) are available for download from the CADD internet website. Notification of new releases and updates are posted on the CADD website, via the Department's *Contact Mailer* application, during training sessions, and notified through other venues as appropriate.

The Department supports both PowerGEOPAK (or MicroStation and GEOPAK Suite) and Autodesk's AutoCAD Civil 3D as the standard roadway design platforms. Regardless whether Bentley's or Autodesk's design software is used, efforts are made to maintain similar standards and deliverables so the resulting product is consistent, predictable, and repeatable (CPR).

7.6 SOFTWARE TESTING

CADD, or the designated office, performs alpha testing of CADD software products during software development as required. Beta testing is to be performed prior to the general release of CADD software. The CADD will track the progress of Beta testing.

When alpha testing demonstrates CADD software is believed to be in working order for the features intended, the software will be beta tested by end users prior to release. The "beta testing coordinator," from the CADD or the designated office, will facilitate these activities.

The beta testing by any of the Department's disciplines must only be initialized following review and approval by either the CADD Manager or CADD IT contacts.

The request for approval to proceed with beta testing, based on the appropriate recommendation, will be initialized by CADD.

Each major CADD Application has a primary support contact assigned by the CADD. This person, or their delegate, may also serve as the Beta Testing Coordinator.

7.7 TAC REVIEW AND RECOMMENDATION

CADD may coordinate with the TACs seeking recommendation for distribution and production use after conclusion of Beta testing.

7.8 CADD PRODUCT APPROVAL AND DISTRIBUTION

Major CADD Software releases are approved by CADD and notification to the Technology Services and Support Managers are made using the Software Distribution Notification Application (SDNA). CADD may also use other means of notification for CADD Managers, CADD IT Contacts and Consultants.

The CADD Managers and/or CADD IT Contacts are responsible for distributing the approved software for production use to the end users. External distribution will be at the discretion of CADD.

In most cases, users are expected to operate the most contemporary version of the Department's CADD Software release on Department projects, unless otherwise exempted by either the project's Scope of Services or a written exemption by the Department's Project Manager.

Consultants can acquire the Department's CADD Software, fixes and upgrades from the CADD internet website: <http://www.fdot.gov/cadd/downloads/software/software.shtm>

7.9 MINIMUM SYSTEM REQUIREMENTS

The current Department's CADD Software was developed and tested for the Department's standard workstation configurations. This standard configuration is published in the *Adopted Information Technology Resource Standards* and is available from the Department's Office of Information Technology (OIT) intranet website.

The Department's CADD Software is listed on CADD Current Version website:

<http://www.fdot.gov/cadd/main/Version/CurrentVersions.shtm>.

Other software configurations may operate with the Department's CADD Software. Use and support of the Department's CADD Software on other configurations are the sole responsibility of the user.

7.10 TRANSLATION OF FILES

The Department requires MicroStation .DGN format (V8 and higher) or AutoCAD .DWG format (2014 or higher) for the delivery of all design files, except as specifically defined in subsequent *CADD Manual* chapters for specific disciplines.

The data producer is solely responsible for any translation required for delivery to the Department. The accuracy of translation of the design files and adherence to the standards and specifications contained herein, including the validity of the geometric elements, is the sole responsibility of the person performing the translation.

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Chapter 8

QUALITY ASSURANCE

8.1 PURPOSE

This chapter establishes the basis for Quality Assurance (QA) monitoring of the Florida Department of Transportation (Department) District Computer Aided Design and Drafting (CADD) functions, including the areas of responsibility, frequency of monitoring and reporting methods.

Offices under the direction of the Department's Chief Engineer are responsible for determining the critical QA requirements for their functional areas and develop plans to monitor those requirements. The Production Support Office | CADD (CADD) defines the critical Quality requirements for deliverables in this Manual. These include standard file formats and components for data delivery, adherence to a standard Project folder structure, file naming conventions and CADD Standards for electronic files. CADD also establishes a QA monitoring plan for CADD to facilitate compliance with these deliverable requirements.

8.2 AUTHORITY

Section 20.23(3), Florida Statutes (F.S.) states that the Department must ensure quality and monitor implementation of policies and procedures.

Quality Assurance and Quality Control Policy, Topic No. 001-260-001 states that it is the policy of the Department to use a systematic but flexible approach to Quality Assurance (QA) and Quality Control (QC) to monitor work processes to implement laws, rules, procedures, policies and standards. This is intended to ensure compliance and quality performance by the Central Office and District units responsible for the delivery of transportation products, services and information.

8.3 SCOPE

Each central office function has the responsibility of monitoring the implementation of policies, procedures and standards established for their respective processes. This Manual applies to all CADD functions and will be monitored.

8.4 REFERENCES

[Section 20.23\(3\), Florida Statutes \(F.S.\)](#)

[Quality Assurance and Quality Control Policy, Topic No. 001-260-001](#)

8.5 DEFINITIONS

Critical Area: Those steps in the CADD process where significant problems may be introduced unless the production criteria and standards are followed.

Critical Requirement: A decision, standard or process operation that will substantially and negatively affect the quality of the product or results if omitted or not performed to the expected level.

Compliance Indicator: Evidence that the critical requirements which are being applied are producing the desired result.

Monitoring Plan: A QA work plan for CADD developed with District input that identifies what, where, when and how monitoring, reporting, tracking and follow up are to be performed.

Quality Assurance (QA): The planned, coordinated and continued activities performed to measure processes against predetermined critical requirements.

Quality Control (QC): The planned, integrated activities performed during work processes to ensure completeness, accuracy, proper decision making, and conformance with all other valid requirements.

Quality Control (QC) Reports: Reports that must be included with the final project delivery, including the Compliance Certification Checklist Report and all reports listed therein. Some reports are produced by software within the Department's CADD Software Suite.

8.6 QA MONITORING PLAN

The QA Monitoring Plan identifies the critical areas of CADD to be monitored, critical requirements and the criteria to measure process compliance. Compliance indicators will be used by the CADD to determine how well the process is performing.

The monitoring plan provides the method for monitoring CADD processes, the frequency of team visits, the method for reporting and sharing monitored results with the districts, and the method for tracking and eliminating non-compliance issues.

The plan covers the major delivery requirements in this Manual, but users are reminded that quality CADD production is the result of performing many individual CADD activities correctly and in accordance with the current criteria and standards.

The *CADD Quality Assurance Monitoring Plan* is published on the Department's SharePoint per Department policy.

8.7 ACCOUNTABILITY

Production units must follow the procedures for preparing plans and maps. Each district must establish quality compliance indicators for all projects and monitor performance and compliance using those indicators. Consultants are agents of the Department and are responsible for the quality of projects they prepare. They must comply with the Department's *CADD Manual* and must perform QC activities to ensure the completeness and accuracy of services performed for the Department.

8.8 QUALITY ASSURANCE (QA) REVIEWS

CADD QA Reviews will be conducted per Department requirements. The CADD will report the results of these reviews to the District Secretary. Measuring compliance with the critical requirements as outlined in the *CADD Quality Assurance Monitoring Plan* will be the purpose of these reviews.

8.9 QUALITY CONTROL (QC) – DATA PRODUCERS’ ROLE

Each district must maintain an established review process to determine and report the quality and compliance levels of project data. Each district is also responsible for having a management plan for quality control of the Delivery with the expectation that quality control plans comply with this Manual.

The Department provides tools to help ensure the creation of a standard Project folder structure, standard file names and the standard level symbology for all design files. The Department provides QC software to check a design file’s adherence to the Department’s level-symbology standards at any time during the production phase of the project. Tools are listed below:

- **FileChecker** – Provides reporting for certain portions of the Delivery compliance with standards and business rules.
- **QC Software** – The *QC Inspector* contains tools used to check, correct and report the compliancy of elements within any design file against the Department’s CADD Standards. All checking and reporting is performed in real time and the results recorded into reporting documents that are saved to the current active project.

8.10 QUALITY ASSURANCE (QA) – CENTRAL OFFICE ROLE

The CADD Quality Assurance Reviews (QAR) is to monitor the districts’ individual QC Plans. QA also encourages continuous improvement through sharing both ideas and improved technology advances.

Districts will be expected to ensure that their own Process Management Plan is in place for Delivery and that projects comply with that process.

The QAR of the Districts’ will be conducted periodically following the CADD QA monitoring plan. Reports are distributed to the District Secretaries and other affected offices.

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APPENDIX A

CADD STANDARD RULE TABLES

Note Platform Designation – (A) Autodesk Only; (B) Bentley Only; (Blank) Both Platforms

ALGNRD - Alignment Design

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style/ Linetype | ByLevel Weight |
|----------|----------|-------|---------------------|---|---------------|-------------------------|----------------|
| | B | alnrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | alnrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | alnrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| | | alnrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | alnrd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | alnrd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | alnrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | alnrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | alnrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | alnrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | alnrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | alnrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | alnrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | alnrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | alnrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | alnrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | alnrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | alnrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | alnrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | alnrd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | | alnrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | alnrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | alnrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | alnrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | alnrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | alnrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | alnrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | alnrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | alnrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | alnrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |

| Critical Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style/ Linetype | ByLevel Weight |
|-------------------|-------|--------------------|--|---------------|-------------------------|----------------|
| | alnrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | alnrd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | alnrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | alnrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | alnrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | alnrd | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| | alnrd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | alnrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | alnrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | alnrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | alnrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | alnrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | alnrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | alnrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | alnrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | alnrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | alnrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | alnrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | alnrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | alnrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| B | alnrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | alnrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | alnrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | alnrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | alnrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | alnrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | alnrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | alnrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | alnrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | alnrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | alnrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | alnrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | alnrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | alnrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | alnrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | alnrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | alnrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | alnrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | alnrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | alnrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | alnrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| A | alnrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | alnrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |

| Critical Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style/ Linetype | ByLevel Weight |
|-------------------|-------|-----------------|--|---------------|-------------------------|----------------|
| A | alnrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | alnrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | alnrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

AUTOSP - AutoTURN

| Critical Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|-------------------|--------|--------------------|--|---------------|-------------------------|----------------|
| B | autosp | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| B | autosp | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | autosp | ATDims | AutoTurn Profile Dimensions, Tire Envelope | 1 | 0 / Continuous | 1 |
| | autosp | ATText | AutoTurn Profile and TT Dimensions, Annotation, TT Overhang | 0 | 0 / Continuous | 1 |
| | autosp | ATVHP | AutoTurn Temporary Profile for Building Custom Type | 1 | 0 / Continuous | 1 |
| | autosp | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | autosp | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | autosp | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | autosp | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | autosp | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | autosp | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | autosp | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | autosp | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | autosp | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | autosp | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | autosp | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | autosp | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | autosp | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | autosp | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | autosp | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | autosp | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | autosp | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | autosp | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | autosp | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | autosp | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | autosp | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | autosp | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | autosp | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | autosp | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | autosp | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | autosp | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | autosp | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | autosp | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| | autosp | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | autosp | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | autosp | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | autosp | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | autosp | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | autosp | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | autosp | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | autosp | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | autosp | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | autosp | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | autosp | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| B | | autosp | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | autosp | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | autosp | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | autosp | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | autosp | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | autosp | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | autosp | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | autosp | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | autosp | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | autosp | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | autosp | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | autosp | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | autosp | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | autosp | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | autosp | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | autosp | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | autosp | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | autosp | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | autosp | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | autosp | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | autosp | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | autosp | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | autosp | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | autosp | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | autosp | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | autosp | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | autosp | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | autosp | TurningEle_dp | Turning Radius Elements (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | autosp | TurningRadius_dp | Turning Radius Line | 3 | 3 / DGN3 | 1 |
| | | autosp | Vehicle | Vehicle for Calculating Turning Radius | 7 | 0 / Continuous | 2 |
| A | | autosp | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| A | | autosp | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | autosp | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | autosp | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | autosp | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | autosp | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| | | autosp | XSpt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |

CLIPRD - Clip Border

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | B | cliprd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | cliprd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | cliprd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | cliprd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | cliprd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | cliprd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | cliprd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | cliprd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | cliprd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | cliprd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | cliprd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | cliprd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN | 0 |
| | | cliprd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | cliprd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | cliprd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | cliprd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | cliprd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | cliprd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | cliprd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | | cliprd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | cliprd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | cliprd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | cliprd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | cliprd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | cliprd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | cliprd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | cliprd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | cliprd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | cliprd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | cliprd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | cliprd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | cliprd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | cliprd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | cliprd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | cliprd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | cliprd | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| | | cliprd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | cliprd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | cliprd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | cliprd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | cliprd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | cliprd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|---------|---------------------|--|---------------|-------------------------|----------------|
| | | cliprd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | cliprd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | cliprd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | cliprd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | cliprd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | cliprd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| B | | cliprd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | cliprd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | cliprd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | cliiprd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | cliprd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | cliprd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | cliprd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | cliprd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | cliprd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | cliprd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | cliprd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | cliprd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | cliprd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | cliprd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | cliprd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | cliprd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | cliprd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | cliprd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | cliprd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | cliprd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | cliprd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | cliprd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | cliprd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | cliprd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | cliprd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | cliprd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | cliprd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | cliprd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | | cliprd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| A | | cliprd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | cliprd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | cliprd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | cliprd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | cliprd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

DRDTRD - Drainage Detail

| Critical Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | |
|-------------------|------|------------|--------------------|--|-------------------------|------------------|----|
| | B | drdtrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | drdtrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | X | drdtrd | ArtificialCovering | Artificial Coverings | 10 | 0 / Continuous | 2 |
| | X | drdtrd | Berm | Berm (Top, Front, or Back) | 10 | 0 / Continuous | 2 |
| | X | drdtrd | BoxCulvert | Box Culvert | 10 | 0 / Continuous | 2 |
| | X | drdtrd | Canal | Canal | 7 | 0 / Continuous | 1 |
| | X | drdtrd | CatchBasin | Catch Basin | 10 | 0 / Continuous | 2 |
| | | drdtrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | drdtrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | drdtrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | drdtrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | drdtrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | drdtrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | drdtrd | ContoursMinor | Contour Lines Minor | 4 | 0 / Continuous | 2 |
| | X | drdtrd | DesiltingPipes | De-silting Pipes | 10 | 0 / Continuous | 2 |
| | | drdtrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| | X | drdtrd | Ditch | Ditch Top | 7 | 6 / DGN6 | 1 |
| | X | drdtrd | DitchBot | Ditch Bottom | 10 | 0 / Continuous | 2 |
| | X | drdtrd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| | | drdtrd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |
| | | drdtrd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | drdtrd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | drdtrd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | drdtrd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | drdtrd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| | | drdtrd | DrainDivideArw | Drainage Divide Arrow | 0 | 0 / Continuous | 1 |
| | | drdtrd | DrainDivides00 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides00_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides01 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides01_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides02 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides02_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides03 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides03_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides04 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides04_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides05 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides05_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides06 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides06_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides07 | Drainage Divides | 10 | 2 / DGN2 | 4 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|---|---------------|-------------------------|----------------|
| | | drdtrd | DrainDivides07_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides08 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides08_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides09 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drdtrd | DrainDivides09_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drdtrd | DrainMisc | Drainage Items (Miscellaneous) | 10 | 0 / Continuous | 1 |
| | | drdtrd | DrainMisc_pm | Drainage Items (Proposed Model) (Miscellaneous) | 10 | 0 / Continuous | 1 |
| X | | drdtrd | DrainStruct | Drainage Structure in Plan | 10 | 2 / DGN2 | 2 |
| X | | drdtrd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | drdtrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | drdtrd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 1 |
| X | | drdtrd | EaseTempLine | Easement Lines Temporary | 6 | RW-TemporaryEasement | 0 |
| X | | drdtrd | EdgeDrain | Edge Drain, Material and Outlet Pipe | 10 | 0 / Continuous | 2 |
| X | | drdtrd | Endwall | Endwall (All Types) | 10 | 0 / Continuous | 2 |
| | | drdtrd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | drdtrd | FES | Flared End Sections | 10 | 0 / Continuous | 2 |
| X | | drdtrd | FlapGate | Flap Gates | 10 | 0 / Continuous | 2 |
| X | | drdtrd | FlowLine | Flow Line | 10 | 0 / Continuous | 2 |
| | | drdtrd | FlowLine_pr | Flow Line (Roadway Profile View) | 0 | 0 / Continuous | 2 |
| X | | drdtrd | FrenchDrain | French Drain | 10 | 0 / Continuous | 2 |
| X | | drdtrd | GovSectionLine_ep | Section Lines (Existing) | 10 | RW-SectionLine | 2 |
| X | | drdtrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| B | | drdtrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| B | | drdtrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| B | | drdtrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| B | | drdtrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| B | | drdtrd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| B | | drdtrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| B | | drdtrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| B | | drdtrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | drdtrd | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | drdtrd | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | drdtrd | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | drdtrd | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 2 |
| | | drdtrd | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |
| | | drdtrd | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 1 |
| | | drdtrd | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 2 |
| | | drdtrd | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | drdtrd | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 1 |
| | | drdtrd | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 2 |
| | | drdtrd | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| | | drdtrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | drdtrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---------------------------|----------------|
| | | drdtrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | drdtrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | drdtrd | InletBottomJ | Inlet Bottom Type J | 10 | 0 / Continuous | 1 |
| X | | drdtrd | InletBottomP | Inlet Bottom Type P | 10 | 0 / Continuous | 1 |
| X | | drdtrd | InletClosedFlume | Closed Flume Inlet | 10 | 0 / Continuous | 2 |
| X | | drdtrd | InletCurb | Curb Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drdtrd | InletDBI | Ditch Bottom Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drdtrd | InletGutter | Gutter Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drdtrd | InletMedian | Median Barrier Inlet | 10 | 0 / Continuous | 2 |
| X | | drdtrd | InletProt | Rock Bags and Sand Bagging | 10 | SWP-RockBags | 2 |
| X | | drdtrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | drdtrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| | | drdtrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | drdtrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | drdtrd | Manhole | Manhole (Drainage and Unknown) | 10 | 0 / Continuous | 2 |
| X | | drdtrd | MES | Mitered End Section | 10 | 0 / Continuous | 2 |
| | | drdtrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | drdtrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | drdtrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | drdtrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | drdtrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | drdtrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | drdtrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | drdtrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | drdtrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | drdtrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | drdtrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | drdtrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | drdtrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | drdtrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | drdtrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| | | drdtrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | drdtrd | Permit1 | Permit 1 Wetlands, Mitigation Sites, Planting Areas | 1 | 0 / Continuous | 1 |
| | | drdtrd | Permit2 | Permit 2 Wetlands, Mitigation Sites, Planting Areas | 2 | 0 / Continuous | 1 |
| | | drdtrd | Permit3 | Permit 3 Wetlands, Mitigation Sites, Planting Areas | 4 | 0 / Continuous | 1 |
| X | | drdtrd | PipeCulvert | Pipe Culvert in Plan | 10 | 0 / Continuous | 2 |
| | | drdtrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drdtrd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | drdtrd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | drdtrd | PipeCulvertCD | Pipe Culvert Cross Drain | 10 | 0 / Continuous | 2 |
| X | | drdtrd | PipeCulvertGD | Pipe Culvert Gutter Drain | 10 | 0 / Continuous | 2 |
| X | | drdtrd | PipeCulvertSD | Pipe Culvert Side Drain | 10 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| X | | drdtrd | PipeCulvertSS | Pipe Culvert Storm Sewer | 10 | 0 / Continuous | 2 |
| X | | drdtrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | drdtrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | drdtrd | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | drdtrd | PondSideSlope | Pond Side Slope | 0 | 0 / Continuous | 2 |
| X | | drdtrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| | | drdtrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | drdtrd | RetentionArea | Retention Area | 2 | 0 / Continuous | 2 |
| X | | drdtrd | RipRap | Rip Rap, Rubble | 4 | 0 / Continuous | 2 |
| X | | drdtrd | RockGravelStone | Rock, Gravel, Stone, Boulders, Etc. | 1 | 0 / Continuous | 2 |
| X | | drdtrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | drdtrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| | | drdtrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | drdtrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | drdtrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | drdtrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| 101 | | drdtrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-HayBales | 2 |
| 101 | | drdtrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-SiltFence | 2 |
| X | | drdtrd | SedimentBasin | Sediment Basin Index 101 | 10 | 0 / Continuous | 2 |
| X | | drdtrd | SedimentBasin_ep | Sediment Basin Index 101 (Existing) | 10 | 3 / DGN3 | 1 |
| | | drdtrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | drdtrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | drdtrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | drdtrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | drdtrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | drdtrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | drdtrd | SlideGate | Slide Gate | 10 | 0 / Continuous | 2 |
| X | | drdtrd | Slopes | Slopes (Top, Bottom) | 9 | 3 / DGN3 | 0 |
| X | | drdtrd | SlopeStakes1 | Slope Stakes 1 | 4 | 1 / DGN1 | 3 |
| X | | drdtrd | SlopeStakes2 | Slope Stakes 2 | 1 | 1 / DGN1 | 3 |
| X | | drdtrd | SlottedDrainPipe | Slotted Drain Pipe | 10 | 0 / Continuous | 1 |
| X | | drdtrd | SlottedStormSewer | Storm Sewer (Slotted or Perforated) | 10 | 0 / Continuous | 2 |
| | | drdtrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | drdtrd | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | drdtrd | Spillway | Spillway/ Flume/ Slope Drain | 10 | 0 / Continuous | 2 |
| X | | drdtrd | StormSewer | Storm Sewer (All Types), Drain Pipes and Spouts | 10 | 0 / Continuous | 2 |
| B | | drdtrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | drdtrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | drdtrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | drdtrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | drdtrd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | drdtrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | drdtrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|----------------------------|----------------|
| | | drdtrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | drdtrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | drdtrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | drdtrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | drdtrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | drdtrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | drdtrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | drdtrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | drdtrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | drdtrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | drdtrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | drdtrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | drdtrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | drdtrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | drdtrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drdtrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | drdtrd | Trench | Storm Sewer Trench | 10 | 0 / Continuous | 2 |
| X | | drdtrd | TurbidityBarrier1 | Turbidity Barrier 1 (Floating) | 10 | SWP-TurbidityBarrier-Type1 | 2 |
| | | drdtrd | TurbidityBarrier1_ep | Turbidity Barrier 1 (Floating) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drdtrd | TurbidityBarrier2 | Turbidity Barrier 2 (Staked) | 10 | SWP-TurbidityBarrier-Type2 | 2 |
| | | drdtrd | TurbidityBarrier2_ep | Turbidity Barrier 2 (Staked) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drdtrd | UnderDrain | Underdrains (All Types) | 10 | 0 / Continuous | 2 |
| X | | drdtrd | UnderDrainOP | Underdrains Outlet Pipes | 10 | 0 / Continuous | 2 |
| | A | drdtrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | drdtrd | Wetland | Wetland Boundary | 2 | RD-Wetland-Proposed | 1 |
| | A | drdtrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drdtrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drdtrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drdtrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | drdtrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | drdtrd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | drdtrd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | drdtrd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | drdtrd | XSPt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |
| X | | drdtrd | YardDrain | Yard Drain | 10 | 3 / DGN3 | 1 |

DREXRD - Existing Drainage

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|--------------|--------------|
| | | drexrd | Basins_ep | Sediment Basins, Retention Ponds (Existing) | 10 | 3 / DGN3 | 1 | L | BAS |
| | | drexrd | BoxCulvert_ep | Box Culvert (Existing) | 10 | 3 / DGN3 | 1 | L | BXC |
| | | drexrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 | | |
| | | drexrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 | | |
| | | drexrd | CrossDrain_ep | Underdrains and Cross drains (Existing) | 10 | 3 / DGN3 | 1 | L | UD |
| | | drexrd | Ditch_ep | Ditch (Top, Bottom and Flow Lines) (Existing) | 7 | 6 / DGN6 | 0 | L | DTCH |
| | | drexrd | DitchPavt_ep | Ditch Pavement (Existing) | 0 | 1 / DGN1 | 0 | L | DTCHP |
| | | drexrd | DrainMisc_ep | Catch Basins (Existing) | 10 | 3 / DGN3 | 1 | L | CB |
| | | drexrd | DrainMisc_ep | Drainage Pipes and Spouts (Existing) | 10 | 3 / DGN3 | 1 | L | DRNP |
| | | drexrd | DrainMisc_ep | Drainage Junction Box (Existing) | 10 | 3 / DGN3 | 1 | L | JB |
| | | drexrd | DrainMisc_ep | Special Drainage Feature (Describe) (Existing) | 10 | 3 / DGN3 | 1 | L | SPD |
| | | drexrd | DrainMisc_ep | Spillways, Flumes or Scuppers (Existing) | 10 | 3 / DGN3 | 1 | L | SPL |
| | | drexrd | DrainMisc_ep | Yard Drain (Existing) | 10 | 3 / DGN3 | 1 | L | YD |
| | | drexrd | EndTreat_ep | Flared End Section (Existing) | 10 | 3 / DGN3 | 1 | L | FES |
| | | drexrd | EndTreat_ep | Mitered End Section (Existing) | 10 | 3 / DGN3 | 1 | L | MES |
| | | drexrd | EndTreat_ep | Straight Endwall (Existing) | 10 | 3 / DGN3 | 1 | L | SEW |
| | | drexrd | EndTreat_ep | Special Endwall (Existing) | 10 | 3 / DGN3 | 1 | L | SPEW |
| | | drexrd | EndTreat_ep | U-Type Endwall (Existing) | 10 | 3 / DGN3 | 1 | L | UEW |
| | | drexrd | EndTreat_ep | Winged End wall (Existing) | 10 | 3 / DGN3 | 1 | L | WEW |
| | | drexrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 | | |
| | | drexrd | InletBottom_ep | Drainage Structure Bottoms (Existing) | 10 | 3 / DGN3 | 1 | L | DRNB |
| | | drexrd | InletCurb_ep | Curb Inlets (Existing) | 10 | 3 / DGN3 | 1 | L | CINL |
| | | drexrd | InletCurb_ep | Median Inlets (Existing) | 10 | 3 / DGN3 | 1 | L | MEDI |
| | | drexrd | InletDBI_ep | Ditch Bottom Inlet (Existing) | 10 | 3 / DGN3 | 1 | L | DTCHI |
| | | drexrd | InletGutter_ep | Gutter Inlets (All Types) (Existing) | 10 | 3 / DGN3 | 1 | L | GI |
| | | drexrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 | | |
| | | drexrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 | | |
| | | drexrd | ManholeSW_ep | Manhole (Storm Water) (Existing) | 10 | 1 / DGN1 | 0 | P | MHD |
| | | drexrd | ManholeUnknown_ep | Manhole (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | MH |
| | | drexrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 | | |
| | | drexrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 | | |
| | | drexrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 | | |
| | | drexrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 | | |
| | | drexrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 | | |
| | | drexrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 | | |
| | | drexrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 | | |
| | | drexrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 | | |
| | | drexrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 | | |
| | | drexrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 | | |
| | | drexrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 | | |
| | | drexrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 | L | PCULV |
| | | drexrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 | | |
| | | drexrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 | | |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|--------------|--------------|
| | | drexrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 | | |
| | | drexrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 | | |
| | | drexrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 | | |
| | | drexrd | StormSewer_ep | Storm Sewer (All Sizes), Drain Pipes and Spouts (Existing) | 10 | 3 / DGN3 | 1 | L | STS |
| A | | drexrd | Tables_dp | Data Tables and All Autodesk Tables (Existing) | 0 | 0 / Continuous | 1 | | |
| | | drexrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 | | |
| | | drexrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 | | |
| | | drexrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 | | |
| | | drexrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 | | |
| | | drexrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 | | |
| | | drexrd | UnderDrain_ep | Under Drain Box (Existing) | 10 | 3 / DGN3 | 0 | P | UDBX |
| A | | drexrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 | | |
| A | | drexrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | drexrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | drexrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | drexrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |

DRMPRD - Drainage Map

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | B | drmprd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | drmprd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| X | | drmprd | ArtificialCovering | Artificial Coverings | 10 | 0 / Continuous | 2 |
| A | | drmprd | Assembly_dp | Civil 3D Assemblies and Subassemblies | 4 | 0 / Continuous | 2 |
| | | drmprd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | drmprd | Berm | Berm (Top, Front, or Back) | 10 | 0 / Continuous | 2 |
| X | | drmprd | BoxCulvert | Box Culvert | 10 | 0 / Continuous | 2 |
| X | | drmprd | Canal | Canal | 7 | 0 / Continuous | 1 |
| X | | drmprd | CatchBasin | Catch Basin | 10 | 0 / Continuous | 2 |
| | | drmprd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | drmprd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | drmprd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | drmprd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | drmprd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | drmprd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | drmprd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| A | | drmprd | Corridors_dp | Civil 3D Corridors | 0 | 0 / Continuous | 2 |
| | | drmprd | CurveData_dp | Curve and Coordinate Data Elements Incl. PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | drmprd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | drmprd | DesiltingPipes | DesiltingDe-silting Pipes | 10 | 0 / Continuous | 2 |
| | | drmprd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | drmprd | Ditch | Ditch Top | 7 | 6 / DGN6 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|---|---------------|-------------------------|----------------|
| X | | drmprd | DitchBot | Ditch Bottom | 10 | 0 / Continuous | 2 |
| X | | drmprd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| | | drmprd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |
| | | drmprd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | drmprd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | drmprd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | drmprd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | drmprd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| | | drmprd | DrainAlert_px | Alert Symbolology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 2 |
| | | drmprd | DrainDivideArw | Drainage Divide Arrow | 0 | 0 / Continuous | 1 |
| | | drmprd | DrainDivides00 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides00_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides01 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides01_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides02 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides02_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides03 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides03_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides04 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides04_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides05 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides05_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides06 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides06_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides07 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides07_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides08 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides08_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides09 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drmprd | DrainDivides09_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drmprd | DrainMisc | Drainage Items (Miscellaneous) | 10 | 0 / Continuous | 1 |
| | | drmprd | DrainMisc_pm | Drainage Items (Proposed Model) (Miscellaneous) | 10 | 0 / Continuous | 1 |
| | | drmprd | DrainStruct | Drainage Structure in Plan | 10 | 2 / DGN2 | 2 |
| X | | drmprd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | drmprd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | drmprd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 1 |
| X | | drmprd | EaseTempLine | Easement Lines Temporary | 6 | RW-TemporaryEasement | 0 |
| X | | drmprd | EdgeDrain | Edge Drain, Material and Outlet Pipe | 10 | 0 / Continuous | 2 |
| X | | drmprd | Endwall | Endwall (All Types) | 10 | 0 / Continuous | 2 |
| | | drmprd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | drmprd | FES | Flared End Sections | 10 | 0 / Continuous | 2 |
| X | | drmprd | FlapGate | Flap Gates | 10 | 0 / Continuous | 2 |
| X | | drmprd | FlowLine | Flow Line | 10 | 0 / Continuous | 2 |
| | | drmprd | FlowLine_pr | Flow Line (Roadway Profile View) | 0 | 0 / Continuous | 2 |
| X | | drmprd | FlowPaths | Time of Concentration Flow Paths | 10 | 1 / DGN1 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---------------------------|----------------|
| X | | drmprd | FrenchDrain | French Drain | 10 | 0 / Continuous | 2 |
| X | | drmprd | Gabions | Gabion Baskets or Mats | 10 | 0 / Continuous | 2 |
| X | | drmprd | Gabions_ep | Gabion Baskets or Mats (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drmprd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| | B | drmprd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| | B | drmprd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| | B | drmprd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| | B | drmprd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| | B | drmprd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| | B | drmprd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| | B | drmprd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| | B | drmprd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | drmprd | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | drmprd | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | drmprd | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | drmprd | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 2 |
| | | drmprd | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |
| | | drmprd | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 1 |
| | | drmprd | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 2 |
| | | drmprd | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | drmprd | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 1 |
| | | drmprd | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 2 |
| | | drmprd | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| | | drmprd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | drmprd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | drmprd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | drmprd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | drmprd | InletClosedFlume | Closed Flume Inlet | 10 | 0 / Continuous | 2 |
| X | | drmprd | InletCurb | Curb Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drmprd | InletDBI | Ditch Bottom Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drmprd | InletGutter | Gutter Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drmprd | InletMedian | Median Barrier Inlet | 10 | 0 / Continuous | 2 |
| X | | drmprd | InletProt | Rock Bags and Sand Bagging | 10 | SWP-RockBags | 2 |
| | | drmprd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | | drmprd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | drmprd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| | | drmprd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | drmprd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | drmprd | Manhole | Manhole (Drainage and Unknown) | 10 | 0 / Continuous | 2 |
| | | drmprd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| X | | drmprd | MES | Mitered End Section | 10 | 0 / Continuous | 2 |
| | | drmprd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | drmprd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | drmprd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | drmprd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | | drmprd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | drmprd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | drmprd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | drmprd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | drmprd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | drmprd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | drmprd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | drmprd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | drmprd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | drmprd | Permit1 | Permit 1 Wetlands, Mitigation Sites, Planting Areas | 1 | 0 / Continuous | 1 |
| | | drmprd | Permit2 | Permit 2 Wetlands, Mitigation Sites, Planting Areas | 2 | 0 / Continuous | 1 |
| | | drmprd | Permit3 | Permit 3 Wetlands, Mitigation Sites, Planting Areas | 4 | 0 / Continuous | 1 |
| X | | drmprd | PipeCulvert | Pipe Culvert in Plan | 10 | 0 / Continuous | 2 |
| | | drmprd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drmprd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | drmprd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | drmprd | PipeCulvertCD | Pipe Culvert Cross Drain | 10 | 0 / Continuous | 2 |
| X | | drmprd | PipeCulvertGD | Pipe Culvert Gutter Drain | 10 | 0 / Continuous | 2 |
| X | | drmprd | PipeCulvertSD | Pipe Culvert Side Drain | 10 | 0 / Continuous | 2 |
| X | | drmprd | PipeCulvertSS | Pipe Culvert Storm Sewer | 10 | 0 / Continuous | 2 |
| X | | drmprd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | drmprd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | drmprd | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | drmprd | PondSideSlope | Pond Side Slope | 0 | 0 / Continuous | 2 |
| X | | drmprd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| | | drmprd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | drmprd | RetentionArea | Retention Area | 2 | 0 / Continuous | 2 |
| X | | drmprd | RipRap | Rip Rap, Rubble | 4 | 0 / Continuous | 2 |
| X | | drmprd | RockGravelStone | Rock, Gravel, Stone, Boulders, Etc. | 1 | 0 / Continuous | 2 |
| X | | drmprd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | drmprd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| | | drmprd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | drmprd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | drmprd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | drmprd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | drmprd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| 101 | | drmprd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-HayBales | 2 |
| 101 | | drmprd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-SiltFence | 2 |
| X | | drmprd | SedimentBasin | Sediment Basin Index 101 | 10 | 0 / Continuous | 2 |
| X | | drmprd | SedimentBasin_ep | Sediment Basin Index 101 (Existing) | 10 | 3 / DGN3 | 1 |
| | | drmprd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | drmprd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | drmprd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | drmprd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | drmprd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | drmprd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | drmprd | SlideGate | Slide Gate | 10 | 0 / Continuous | 2 |
| X | | drmprd | Slopes | Slopes (Top, Bottom) | 9 | 3 / DGN3 | 0 |
| X | | drmprd | SlopeStakes1 | Slope Stakes 1 | 4 | 1 / DGN1 | 3 |
| X | | drmprd | SlopeStakes2 | Slope Stakes 2 | 1 | 1 / DGN1 | 3 |
| X | | drmprd | SlottedDrainPipe | Slotted Drain Pipe | 10 | 0 / Continuous | 1 |
| X | | drmprd | SlottedStormSewer | Storm Sewer (Slotted or Perforated) | 10 | 0 / Continuous | 2 |
| | | drmprd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | drmprd | SpecialDetails_px | Special Details Cross Sections | 6 | 0 / Continuous | 1 |
| X | | drmprd | Spillway | Spillway/ Flume/ Slope Drain | 10 | 0 / Continuous | 2 |
| | | drmprd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | drmprd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | drmprd | StormSewer | Storm Sewer (All Types), Drain Pipes and Spouts | 10 | 0 / Continuous | 2 |
| B | | drmprd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | drmprd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | drmprd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | drmprd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | drmprd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | drmprd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | drmprd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | drmprd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | drmprd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | drmprd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | drmprd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | drmprd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | drmprd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | drmprd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | drmprd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | drmprd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | drmprd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | drmprd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | drmprd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | drmprd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | drmprd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | drmprd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | drmprd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | drmprd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drmprd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | drmprd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | drmprd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | drmprd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | drmprd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drmprd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|----------------------------|----------------|
| X | | drmprd | Trench | Storm Sewer Trench | 10 | 0 / Continuous | 2 |
| X | | drmprd | TurbidityBarrier1 | Turbidity Barrier 1 (Floating) | 10 | SWP-TurbidityBarrier-Type1 | 2 |
| | | drmprd | TurbidityBarrier1_ep | Turbidity Barrier 1 (Floating) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drmprd | TurbidityBarrier2 | Turbidity Barrier 2 (Staked) | 10 | SWP-TurbidityBarrier-Type2 | 2 |
| | | drmprd | TurbidityBarrier2_ep | Turbidity Barrier 2 (Staked) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drmprd | UnderDrain | Underdrains (All Types) | 10 | 0 / Continuous | 2 |
| X | | drmprd | UnderDrainOP | Underdrains Outlet Pipes | 10 | 0 / Continuous | 2 |
| | A | drmprd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | drmprd | Wetland | Wetland Boundary | 2 | RD-Wetland-Proposed | 1 |
| | A | drmprd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drmprd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drmprd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drmprd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | drmprd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | drmprd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | drmprd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | drmprd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| X | | drmprd | YardDrain | Yard Drain | 10 | 3 / DGN3 | 1 |

DRPRRD - Drainage Proposed

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | B | drprrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | drprrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| X | | drprrd | ArtificialCovering | Artificial Coverings | 10 | 0 / Continuous | 2 |
| X | | drprrd | Berm | Berm (Top, Front, or Back) | 10 | 0 / Continuous | 2 |
| | | drprrd | BoundaryLineImp | Boundary Lines - Impervious | 11 | 0 / Continuous | 2 |
| | | drprrd | BoundaryLineP | Boundary Lines - Pervious | 9 | 0 / Continuous | 2 |
| X | | drprrd | BoxCulvert | Box Culvert | 10 | 0 / Continuous | 2 |
| X | | drprrd | BuildingRes1 | Boundaries of Single Family Residential Buildings | 1 | 0 / Continuous | 2 |
| X | | drprrd | BuildingRes2 | Boundaries of Multi-Family Residential Buildings | 1 | 0 / Continuous | 2 |
| X | | drprrd | Canal | Canal | 7 | 0 / Continuous | 1 |
| X | | drprrd | CatchBasin | Catch Basin | 10 | 0 / Continuous | 2 |
| | | drprrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | drprrd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | drprrd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | drprrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | drprrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | drprrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|---|---------------|-------------------------|----------------|
| X | | drprdd | DesiltingPipes | DesiltingDe-silting Pipes | 10 | 0 / Continuous | 2 |
| | | drprdd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | drprdd | Ditch | Ditch Top | 7 | 6 / DGN6 | 1 |
| X | | drprdd | DitchBot | Ditch Bottom | 10 | 0 / Continuous | 2 |
| X | | drprdd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| | | drprdd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |
| | | drprdd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | drprdd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | drprdd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | drprdd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | drprdd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| | | drprdd | DrainAlert_px | Alert Symbolology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 2 |
| | | drprdd | DrainDivideArw | Drainage Divide Arrow | 0 | 0 / Continuous | 1 |
| | | drprdd | DrainDivides00 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides00_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides01 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides01_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides02 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides02_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides03 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides03_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides04 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides04_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides05 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides05_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides06 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides06_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides07 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides07_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides08 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides08_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides09 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | drprdd | DrainDivides09_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | drprdd | DrainMisc | Drainage Items (Miscellaneous) | 10 | 0 / Continuous | 1 |
| | | drprdd | DrainMisc_pm | Drainage Items (Proposed Model) (Miscellaneous) | 10 | 0 / Continuous | 1 |
| X | | drprdd | DrainStruct | Drainage Structure in Plan | 10 | 2 / DGN2 | 2 |
| X | | drprdd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | drprdd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | drprdd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 1 |
| X | | drprdd | EaseTempLine | Easement Lines Temporary | 6 | RW-TemporaryEasement | 0 |
| X | | drprdd | EdgeDrain | Edge Drain, Material and Outlet Pipe | 10 | 0 / Continuous | 2 |
| X | | drprdd | Endwall | Endwall (All Types) | 10 | 0 / Continuous | 2 |
| X | | drprdd | Fence | Fence, Sand Fence | 6 | RD-Fence | 1 |
| X | | drprdd | FES | Flared End Sections | 10 | 0 / Continuous | 2 |
| X | | drprdd | FlapGate | Flap Gates | 10 | 0 / Continuous | 2 |
| X | | drprdd | FlowLine | Flow Line | 10 | 0 / Continuous | 2 |
| | | drprdd | FlowLine_pr | Flow Line (Roadway Profile View) | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|---------------------------|----------------|
| X | | drprrd | FlowPaths | Time of Concentration Flow Paths | 10 | 1 / DGN1 | 1 |
| X | | drprrd | FrenchDrain | French Drain | 10 | 0 / Continuous | 2 |
| X | | drprrd | Gabions | Gabion Baskets or Mats | 10 | 0 / Continuous | 2 |
| X | | drprrd | Gabions_ep | Gabion Baskets or Mats (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drprrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| | B | drprrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| | B | drprrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| | B | drprrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| | B | drprrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| | B | drprrd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| | B | drprrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| | B | drprrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| | B | drprrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | drprrd | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | drprrd | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | drprrd | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | drprrd | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 2 |
| | | drprrd | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |
| | | drprrd | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 1 |
| | | drprrd | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 2 |
| | | drprrd | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | drprrd | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 1 |
| | | drprrd | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 2 |
| | | drprrd | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| | | drprrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | drprrd | InletBottomJ | Inlet Bottom Type J | 10 | 0 / Continuous | 1 |
| X | | drprrd | InletBottomP | Inlet Bottom Type P | 10 | 0 / Continuous | 1 |
| X | | drprrd | InletClosedFlume | Closed Flume Inlet | 10 | 0 / Continuous | 2 |
| X | | drprrd | InletCurb | Curb Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drprrd | InletDBI | Ditch Bottom Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drprrd | InletGutter | Gutter Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | drprrd | InletMedian | Median Barrier Inlet | 10 | 0 / Continuous | 2 |
| X | | drprrd | InletProt | Rock Bags and Sand Bagging | 10 | SWP-RockBags | 2 |
| X | | drprrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | drprrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| | | drprrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | drprrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | drprrd | Manhole | Manhole (Drainage and Unknown) | 10 | 0 / Continuous | 2 |
| X | | drprrd | MES | Mitered End Section | 10 | 0 / Continuous | 2 |
| | | drprrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | drprrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | drprrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | drprrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | drprrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | drprrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | drprrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | drprrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| | | drprdd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | drprdd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | drprdd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | drprdd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | drprdd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | drprdd | Permit1 | Permit 1 Wetlands, Mitigation Sites, Planting Areas | 1 | 0 / Continuous | 1 |
| | | drprdd | Permit2 | Permit 2 Wetlands, Mitigation Sites, Planting Areas | 2 | 0 / Continuous | 1 |
| | | drprdd | Permit3 | Permit 3 Wetlands, Mitigation Sites, Planting Areas | 4 | 0 / Continuous | 1 |
| X | | drprdd | PipeCulvert | Pipe Culvert in Plan | 10 | 0 / Continuous | 2 |
| | | drprdd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drprdd | PipeCulvert_ex | Pipe Culvert in Cross Sections (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drprdd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | drprdd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | drprdd | PipeCulvertCD | Pipe Culvert Cross Drain | 10 | 0 / Continuous | 2 |
| X | | drprdd | PipeCulvertGD | Pipe Culvert Gutter Drain | 10 | 0 / Continuous | 2 |
| X | | drprdd | PipeCulvertSD | Pipe Culvert Side Drain | 10 | 0 / Continuous | 2 |
| X | | drprdd | PipeCulvertSS | Pipe Culvert Storm Sewer | 10 | 0 / Continuous | 2 |
| | | drprdd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | drprdd | PondSideSlope | Pond Side Slope | 0 | 0 / Continuous | 2 |
| X | | drprdd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| | | drprdd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | drprdd | RetentionArea | Retention Area | 2 | 0 / Continuous | 2 |
| X | | drprdd | RipRap | Rip Rap, Rubble | 4 | 0 / Continuous | 2 |
| X | | drprdd | RockGravelStone | Rock, Gravel, Stone, Boulders, Etc. | 1 | 0 / Continuous | 2 |
| X | | drprdd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | drprdd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| | | drprdd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | drprdd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | drprdd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | drprdd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | drprdd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| 101 | | drprdd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-HayBales | 2 |
| 101 | | drprdd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-SiltFence | 2 |
| X | | drprdd | SedimentBasin | Sediment Basin Index 101 | 10 | 0 / Continuous | 2 |
| X | | drprdd | SedimentBasin_ep | Sediment Basin Index 101 (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drprdd | SlideGate | Slide Gate | 10 | 0 / Continuous | 2 |
| X | | drprdd | Slopes | Slopes (Top, Bottom) | 9 | 3 / DGN3 | 0 |
| | | drprdd | Slopes_ep | Natural Slopes, Levees, Dikes, Dams, Embankment (Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 |
| X | | drprdd | SlopeStakes1 | Slope Stakes 1 | 4 | 1 / DGN1 | 3 |
| X | | drprdd | SlopeStakes2 | Slope Stakes 2 | 1 | 1 / DGN1 | 3 |
| X | | drprdd | SlottedDrainPipe | Slotted Drain Pipe | 10 | 0 / Continuous | 1 |
| X | | drprdd | SlottedStormSewer | Storm Sewer (Slotted or Perforated) | 10 | 0 / Continuous | 2 |
| | | drprdd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| X | | drprdd | Spillway | Spillway/ Flume/ Slope Drain | 10 | 0 / Continuous | 2 |
| | | drprdd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | drprdd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | drprdd | StormSewer | Storm Sewer (All Types), Drain Pipes and Spouts | 10 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|----------------------|--|---------------|----------------------------|----------------|
| | A | drprdd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | drprdd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | drprdd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | drprdd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | drprdd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | drprdd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | drprdd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | drprdd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | drprdd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | drprdd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | drprdd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | drprdd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | drprdd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | drprdd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | drprdd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | drprdd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | drprdd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | drprdd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | drprdd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | drprdd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drprdd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | drprdd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | drprdd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | drprdd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | drprdd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drprdd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | drprdd | Trench | Storm Sewer Trench | 10 | 0 / Continuous | 2 |
| X | | drprdd | TurbidityBarrier1 | Turbidity Barrier 1 (Floating) | 10 | SWP-TurbidityBarrier-Type1 | 2 |
| | | drprdd | TurbidityBarrier1_ep | Turbidity Barrier 1 (Floating) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drprdd | TurbidityBarrier2 | Turbidity Barrier 2 (Staked) | 10 | SWP-TurbidityBarrier-Type2 | 2 |
| | | drprdd | TurbidityBarrier2_ep | Turbidity Barrier 2 (Staked) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | drprdd | UnderDrain | Underdrains (All Types) | 10 | 0 / Continuous | 2 |
| X | | drprdd | UnderDrainOP | Underdrains Outlet Pipes | 10 | 0 / Continuous | 2 |
| | A | drprdd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | drprdd | Wetland | Wetland Boundary | 2 | RD-Wetland-Proposed | 1 |
| | A | drprdd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drprdd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drprdd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drprdd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | drprdd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | drprdd | YardDrain | Yard Drain | 10 | 3 / DGN3 | 1 |

DRXSRD - Drainage Cross Section

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | B | drxsrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | drxsrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | drxsrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | drxsrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | drxsrd | Berm_px | Berm (Top, Front, or Back) on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | drxsrd | Bridge_px | Bridge Component on Cross Sections - Component Property | 0 | 0 / Continuous | 2 |
| X | | drxsrd | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | drxsrd | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | drxsrd | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | drxsrd | CATVBur_ex | Cable TV and Miscellaneous on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | drxsrd | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | drxsrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | drxsrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | drxsrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | drxsrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | drxsrd | Concrete_px | Concrete Boundary Lines on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | drxsrd | Conduit_ex | Conduit and Encasements on Cross Sections (Existing) | 3 | 2 / DGN2 | 1 |
| X | | drxsrd | Conduit_px | Conduit and Encasements on Cross Sections | 3 | 0 / Continuous | 1 |
| | | drxsrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | drxsrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | drxsrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | drxsrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | drxsrd | CurveData_dp | Curve & Coordinate Data Elements Incl. PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | drxsrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | drxsrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | drxsrd | Ditch_px | Ditch Top on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | drxsrd | DitchBot_px | Ditch Bottom on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | drxsrd | DitchPavt_px | Ditch Pavement on Cross Sections | 3 | 0 / Continuous | 3 |
| | | drxsrd | DrainAlert_px | Alert Symbology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 2 |
| | | drxsrd | DrainMisc_ex | Drainage Elements on Cross Sections (All) (Miscellaneous) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drxsrd | DrainStruct_ex | Drainage Structures on Cross Sections (All) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drxsrd | DrainStruct_px | Drainage Structures and Elements on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| X | | drxsrd | Driveway_ex | Driveway Lines on Cross Sections (Existing) | 7 | 2 / DGN2 | 2 |
| X | | drxsrd | Driveway_px | Driveway Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | drxsrd | DrivewayBase_px | Driveway Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | drxsrd | Earthwork1_px | Earthwork (Color 0) on Cross Sections | 0 | 0 / Continuous | 1 |
| | | drxsrd | Earthwork2_px | Earthwork (Color 1) on Cross Sections | 1 | 0 / Continuous | 1 |
| | | drxsrd | Earthwork3_px | Earthwork (Color 2) on Cross Sections | 2 | 0 / Continuous | 1 |
| | | drxsrd | Earthwork4_px | Earthwork (Color 3) on Cross Sections | 3 | 0 / Continuous | 1 |
| | | drxsrd | Earthwork5_px | Earthwork (Color 4) on Cross Sections | 4 | 0 / Continuous | 1 |
| X | | drxsrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | drxsrd | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 |
| X | | drxsrd | EasePerpLine_px | Easement Lines Perpetual on Cross Sections | 4 | RW-PerpetualEasement | 12 |
| X | | drxsrd | EaseTempLine_px | Easement Lines Temporary on Cross Sections | 6 | RW-TemporaryEasement | 0 |
| X | | drxsrd | ElecBur_ex | Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | drxsrd | ElecBur_px | Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | drxsrd | Endwall_px | Endwall on Cross Sections | 10 | 0 / Continuous | 2 |
| | | drxsrd | ExcavationLimits_dp | Excavation Limits on Cross Sections | 0 | 0 / Continuous | 1 |
| | | drxsrd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | drxsrd | Fence_px | Fence Lines on Cross Sections | 6 | RD-Fence | 2 |
| X | | drxsrd | FES_px | Flared End Sections on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | drxsrd | FOCBur_ex | Fiber Optics Cable on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | drxsrd | FOCBur_px | Fiber Optics Cable on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | drxsrd | FOEElecBur_ex | Fiber Optics Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | drxsrd | FOEElecBur_px | Fiber Optics Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | drxsrd | FOTBur_ex | Fiber Optics Telephone on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | drxsrd | FOTBur_px | Fiber Optics Telephone on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | drxsrd | Gas_ex | Gas Pipe and Fittings on Cross Sections (Miscellaneous) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | drxsrd | Gas_px | Gas Pipe and Fittings on Cross Sections (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | drxsrd | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | drxsrd | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | drxsrd | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | drxsrd | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections - Shell | 3 | 1 / DGN1 | 0 |
| | | drxsrd | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | drxsrd | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | 1 |
| | | drxsrd | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections - Limestone | 2 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | 0 |
| | | drxsrd | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | drxsrd | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | 1 |
| | | drxsrd | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| B | | drxsrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| B | | drxsrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| B | | drxsrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| B | | drxsrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| B | | drxsrd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| B | | drxsrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| B | | drxsrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| B | | drxsrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | drxsrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | drxsrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | drxsrd | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | drxsrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| X | | drxsrd | Guardrail_ex | Guardrail Lines on Cross Sections (Existing) | 0 | 2 / DGN2 | 2 |
| X | | drxsrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | drxsrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| | | drxsrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|---------------------------|----------------|
| X | | drxsrd | Inlet_px | Inlets on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | drxsrd | InletBottom_px | Inlet Bottom on Cross Sections (All Types) | 10 | 0 / Continuous | 2 |
| | | drxsrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | | drxsrd | LARWLine_ex | Limited Access Right of Way Lines on Cross Sections (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | drxsrd | LARWLine_px | Limited Access Right of Way Lines on Cross Sections | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | drxsrd | LateralLimits_px | Lateral Limits on Cross Sections | 6 | 0 / Continuous | 2 |
| | | drxsrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | drxsrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | drxsrd | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| X | | drxsrd | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | drxsrd | MES_px | Mitered End Section on Cross Sections | 10 | 0 / Continuous | 2 |
| | | drxsrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | drxsrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | drxsrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | drxsrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | drxsrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | drxsrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | drxsrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | drxsrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | drxsrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | drxsrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | drxsrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | drxsrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | drxsrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | drxsrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, Critical Cross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | drxsrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, Critical Cross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| X | | drxsrd | PavedMedianBase_px | Median Subgrade on Cross Sections (Paved) | 3 | 0 / Continuous | 2 |
| | | drxsrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | drxsrd | PavtAsphalt_px | Asphalt Pavement on Cross Sections and Components in Models | 1 | 0 / Continuous | 2 |
| X | | drxsrd | PavtBase_ex | Base Material on Cross Sections (All Types) (Existing) | 3 | 3 / DGN3 | 1 |
| X | | drxsrd | PavtBase_px | Base Material on Cross Sections (All Types) | 3 | 0 / Continuous | 2 |
| X | | drxsrd | PavtConcrete_px | Concrete Pavement on Cross Sections and Components in Models | 0 | 0 / Continuous | 2 |
| X | | drxsrd | PavtMilling_px | Asphalt Milling Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | drxsrd | PavtMisc_px | Pavement on Cross Sections (Miscellaneous) | 1 | 0 / Continuous | 2 |
| X | | drxsrd | PavtOverbuild_px | Pavement Overbuild Areas on Cross Sections - Component Property | 4 | 0 / Continuous | 2 |
| X | | drxsrd | PavtOverlay_px | Pavement Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 2 |
| X | | drxsrd | PavtOverlay1_px | Pavement Overlay on Cross Sections - Component Property | 14 | 0 / Continuous | 2 |
| X | | drxsrd | PavtOverlay2_px | Pavement Overlay on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | drxsrd | PavtStabilization_px | Stabilization on Cross Sections | 5 | 2 / DGN2 | 2 |
| | | drxsrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | drxsrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drxsrd | PipeCulvert_ex | Pipe Culvert in Cross Sections (Existing) | 10 | 3 / DGN3 | 1 |
| X | | drxsrd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | drxsrd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | drxsrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | drxsrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| X | | drxsrd | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | drxsrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | B | drxsrd | PvtAnalysisCrown_px | Pavement Analysis Crowning on Cross Sections - Component Property | 7 | 0 / Continuous | 1 |
| X | B | drxsrd | PvtAnalysisFail_px | Pavement Analysis Failure on Cross Sections - Component Property | 3 | 0 / Continuous | 1 |
| X | B | drxsrd | PvtAnalysisMax_px | Pavement Analysis Acceptable Maximum Range on Cross Sections - Component Property | 5 | 0 / Continuous | 1 |
| X | B | drxsrd | PvtAnalysisMin_px | Pavement Analysis Acceptable Minimum Range on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | B | drxsrd | PvtAnalysisOptiml_px | Pavement Analysis Optimal on Cross Sections - Component Property | 2 | 0 / Continuous | 1 |
| X | | drxsrd | Railing_px | Railing Components and Cross Sections Shapes | 9 | 0 / Continuous | 2 |
| | | drxsrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | A | drxsrd | RegionBdry_dp | Boundary Line for Regions in Corridor Design (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| X | | drxsrd | RipRap_px | Rip Rap, Rubble on Cross Sections | 4 | 1 / DGN1 | 2 |
| X | | drxsrd | RumbleStrip1 | Rumble Strips Continuous Array | 0 | PM-RumbleSolid | 2 |
| X | | drxsrd | RumbleStrip2 | Rumble Strips Skip Array | 0 | PM-RumbleSkip | 2 |
| X | | drxsrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | drxsrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| X | | drxsrd | RWLine_ex | Right of Way Lines on Cross Sections (Existing) | 3 | RW-Existing | 1 |
| X | | drxsrd | RWLine_px | Right of Way Lines on Cross Sections | 4 | RW-Proposed | 2 |
| X | | drxsrd | SanitaryFM_ex | Force Main Lines on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| X | | drxsrd | SanitaryFM_px | Force Main Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | drxsrd | SanitarySewer_ex | Sanitary Sewer on Cross Sections (Existing) | 2 | 2 / DGN2 | 0 |
| X | | drxsrd | SanitarySewer_px | Sanitary Sewer on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | drxsrd | SanitarySewerEff_ex | Sanitary Sewer Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | drxsrd | SanitarySewerEff_px | Sanitary Sewer Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| | | drxsrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | drxsrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | drxsrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | drxsrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | drxsrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | drxsrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | drxsrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | drxsrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | drxsrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | drxsrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | drxsrd | ShldrBase_px | Shoulder Base on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | drxsrd | ShldrMilling_px | Shoulder Milling Component on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | drxsrd | ShldrOverbuild_px | Shoulder Overbuild on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | drxsrd | ShldrOverlay_px | Shoulder Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 1 |
| X | | drxsrd | ShldrPaved_px | Shoulder Lines on Cross Sections (Paved) | 1 | 0 / Continuous | 2 |
| X | | drxsrd | ShldrUnpaved_px | Shoulder Lines on Cross Sections (Unpaved) | 2 | 0 / Continuous | 2 |
| X | | drxsrd | Sidewalk_ex | Sidewalk Elements on Cross Sections (Existing) | 0 | 2 / DGN2 | 1 |
| X | | drxsrd | Sidewalk_px | Sidewalk Elements on Cross Sections | 0 | 0 / Continuous | 2 |
| | | drxsrd | SidewalkBack_er | Back of Sidewalk Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | drxsrd | SidewalkBack_pr | Back of Sidewalk Line Profile | 5 | 0 / Continuous | 2 |
| X | | drxsrd | SidewalkBase_px | Sidewalk Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | drxsrd | Slopes_px | Slope Lines on Cross Sections | 9 | 0 / Continuous | 2 |
| X | | drxsrd | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |
| | | drxsrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | | drxsrd | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| | | drxsrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | drxsrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | drxsrd | StreetLights_px | Street Lights on Cross Sections | 3 | 0 / Continuous | 1 |
| | | drxsrd | Structure_px | Signal and Sign Structures on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | drxsrd | SubDsgn_px | Sub Design on Cross Sections Including Sub-base | 4 | 0 / Continuous | 1 |
| X | | drxsrd | Subsoil_px | Subsoil or Undercut on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | drxsrd | SubsoilFinal_px | Subsoil Final for Multiline on Cross Sections | 18 | 0 / Continuous | 1 |
| X | | drxsrd | SubsoilProp_px | Subsoil Proposed for Multiline on Cross Sections | 8 | 0 / Continuous | 1 |
| | B | drxsrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | drxsrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | drxsrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | drxsrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | drxsrd | TeleBur_ex | Telephone on Cross Sections (Buried) (Miscellaneous) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | drxsrd | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| X | B | drxsrd | TemplateBottom_px | Bottom of Template for Multiline on Cross Sections | 6 | 0 / Continuous | 1 |
| X | B | drxsrd | TemplateFinal_px | Final Template for Multiline on Cross Sections | 2 | 0 / Continuous | 1 |
| X | B | drxsrd | TemplateTop_px | Top of Template for Multiline on Cross Sections | 7 | 0 / Continuous | 1 |
| X | | drxsrd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | drxsrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | drxsrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | drxsrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | drxsrd | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | drxsrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | drxsrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | drxsrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | drxsrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | drxsrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | drxsrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | drxsrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | drxsrd | TextXSBL_dp | Text - Cross Section Baseline Labels | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextXSDrain_ex | Text - Cross Section Drainage Labels (Existing) | 10 | 0 / Continuous | 2 |
| | | drxsrd | TextXSDrain_px | Text - Cross Section Drainage Labels | 10 | 0 / Continuous | 2 |
| | | drxsrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| | | drxsrd | TextXSElev_ex | Text - Cross Section Elevations (Existing) | 2 | 0 / Continuous | 1 |
| | | drxsrd | TextXSElev_px | Text - Cross Section Elevations | 0 | 0 / Continuous | 1 |
| | B | drxsrd | TextXSGPKPts_dp | Text - Cross Section Points Labels | 4 | 0 / Continuous | 0 |
| | | drxsrd | TextXSNotes_dp | Text - Cross Section Notes | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextXSSlope_dp | Text - Cross Section Slope Labels (rise:run format) | 0 | 0 / Continuous | 2 |
| | | drxsrd | TextXSSlopePvt_dp | Text - Cross Section Pavement Slope Labels | 0 | 0 / Continuous | 2 |
| X | | drxsrd | TrafSeparator_ex | Traffic Separator on Cross Sections (All Types) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | drxsrd | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |
| X | | drxsrd | TrafSeparatorBase_px | Traffic Separator Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | drxsrd | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | drxsrd | UtilsMisc_ex | Utility Items on Cross Sections (Miscellaneous) (Existing) | 8 | 2 / DGN2 | 1 |
| | | drxsrd | UtilsMisc_px | Utility Items on Cross Sections (Miscellaneous) | 8 | 0 / Continuous | 1 |
| | | drxsrd | Vehicle | Vehicle for Calculating Turning Radius | 7 | 0 / Continuous | 2 |
| | | drxsrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | drxsrd | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |
| X | | drxsrd | WallBarrier_ex | Barrier Wall on Cross Section (Existing) | 6 | 3 / DGN3 | 1 |
| X | | drxsrd | WallBarrier_px | Barrier Wall on Cross Section | 6 | 0 / Continuous | 2 |
| X | | drxsrd | WallFooter_px | Wall Footer (Concrete) on Cross Sections - Component Symbolology/Material on All Wall Footers/Leveling Pads | 2 | 0 / Continuous | 1 |
| X | | drxsrd | WallGravBase_px | Gravity Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | drxsrd | WallGravity_px | Gravity Wall on Cross Sections | 11 | 0 / Continuous | 2 |
| X | | drxsrd | WallMedianBase_px | Median Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | drxsrd | WallRetain_px | Retaining Walls on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | drxsrd | WallShldrBase_px | Shoulder Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | drxsrd | Water_ex | Water on Cross Sections (Existing) | 1 | 2 / DGN2 | 1 |
| X | | drxsrd | Water_px | Water on Cross Sections | 1 | 0 / Continuous | 1 |
| X | | drxsrd | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | drxsrd | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |
| | | drxsrd | Wetland_ex | Wetland Boundary on Cross Sections (Existing) | 2 | RD-Wetland-Existing | 1 |
| | | drxsrd | WetlandEdge_ep | Edge of Mangrove, Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 |
| | A | drxsrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drxsrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drxsrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | drxsrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| X | | drxsrd | XSBaseTop_px | Cross Section Top of Base | 3 | 0 / Continuous | 2 |
| | | drxsrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | drxsrd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | drxsrd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | drxsrd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | drxsrd | XSMisc_ex | Cross Section Roadway Items (Miscellaneous) (Existing) | 4 | 3 / DGN3 | 1 |
| | | drxsrd | XSMisc_px | Cross Section Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | drxsrd | XSPt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |
| B | | drxsrd | XSShapeDep01_dp | Cross Section Shape Dependent | 11 | 0 / Continuous | 2 |
| B | | drxsrd | XSShapeDep02_dp | Cross Section Shape Dependent | 12 | 0 / Continuous | 2 |
| B | | drxsrd | XSShapeDep03_dp | Cross Section Shape Dependent | 13 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| | B | drxsrd | XSShapeDep04_dp | Cross Section Shape Dependent | 14 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeDep05_dp | Cross Section Shape Dependent | 15 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeDep06_dp | Cross Section Shape Dependent | 16 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeDep07_dp | Cross Section Shape Dependent | 17 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeDep08_dp | Cross Section Shape Dependent | 18 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeDep09_dp | Cross Section Shape Dependent | 19 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeDep10_dp | Cross Section Shape Dependent | 20 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep01_dp | Cross Section Shape Independent | 1 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep02_dp | Cross Section Shape Independent | 2 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep03_dp | Cross Section Shape Independent | 3 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep04_dp | Cross Section Shape Independent | 4 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep05_dp | Cross Section Shape Independent | 5 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep06_dp | Cross Section Shape Independent | 6 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep07_dp | Cross Section Shape Independent | 7 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep08_dp | Cross Section Shape Independent | 8 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep09_dp | Cross Section Shape Independent | 9 | 0 / Continuous | 2 |
| | B | drxsrd | XSShapeIndep10_dp | Cross Section Shape Independent | 10 | 0 / Continuous | 2 |
| X | | drxsrd | XSTypical_px | Cross Section Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

DSGNLD - Landscaping Design

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | B | dsgnld | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | dsgnld | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | dsgnld | BillboardDim | Billboard Dimension | 0 | 0 / Continuous | 2 |
| | | dsgnld | BillboardHt | Billboard Height | 0 | 0 / Continuous | 2 |
| | | dsgnld | BillboardLoc | Billboard Location | 0 | 0 / Continuous | 2 |
| | | dsgnld | BillboardVeg | Billboard Vegetation Area | 6 | 1 / DGN1 | 1 |
| | | dsgnld | BillboardZone | Billboard View Zone | 3 | 3 / DGN3 | 4 |
| | | dsgnld | ClearSight_dp | Clear Sight Lines and Limits | 3 | 4 / DGN4 | 2 |
| | | dsgnld | ClearZone_dp | Clear Zone Elements | 3 | 1 / DGN1 | 1 |
| | | dsgnld | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | dsgnld | ConstLines | Construction Lines and References | 4 | 0 / Continuous | 0 |
| | | dsgnld | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | dsgnld | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | dsgnld | DitchBankArea | Ditch Bank Areas for Landscape | 1 | 0 / Continuous | 1 |
| X | | dsgnld | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | dsgnld | Fertilizer | Fertilizer | 11 | 0 / Continuous | 1 |
| X | | dsgnld | Flower | Flower Edge / Flower Symbol | 2 | 0 / Continuous | 1 |
| | | dsgnld | GroundCover | Groundcover Edge Symbol | 2 | 0 / Continuous | 1 |
| | | dsgnld | GroundCoverHatch | Groundcover Hatch Pattern | 2 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| X | | dsgnld | HandWaterArea | Hand Watering Area | 1 | 0 / Continuous | 0 |
| X | | dsgnld | HerbicideArea | Area to Receive Herbicide | 5 | 0 / Continuous | 1 |
| | | dsgnld | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | dsgnld | LandscapeAccs | Landscape Accessories (Barbeque Grill, Bike Rack etc.) | 1 | 0 / Continuous | 1 |
| | | dsgnld | LandscapeBllder | Landscape Boulders and Cobble | 4 | 0 / Continuous | 2 |
| | | dsgnld | LandscapeBlock | Landscape Concrete Blocks, Patterns and Walls | 3 | 0 / Continuous | 1 |
| | | dsgnld | LandscapeFills | Fills and Rock Sections | 4 | 0 / Continuous | 1 |
| | | dsgnld | LandscapeMisc | Landscaping Items (Miscellaneous) | 3 | 0 / Continuous | 2 |
| | | dsgnld | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | dsgnld | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | dsgnld | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| X | | dsgnld | MaintArea | Maintenance Areas for Landscape | 10 | 0 / Continuous | 2 |
| | | dsgnld | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | dsgnld | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | dsgnld | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | dsgnld | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | dsgnld | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | dsgnld | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | dsgnld | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | dsgnld | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | dsgnld | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | dsgnld | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| X | | dsgnld | MowingAreaLarge | Mowing and Maintenance Areas for Large Machine | 2 | 0 / Continuous | 2 |
| X | | dsgnld | MowingAreaSmall | Mowing and Maintenance Areas (Includes Litter Removal Areas) | 68 | 0 / Continuous | 1 |
| X | | dsgnld | Mulch | Mulch Area | 10 | 0 / Continuous | 1 |
| X | | dsgnld | NaturalArea | Natural Landscape Areas | 30 | 0 / Continuous | 1 |
| X | | dsgnld | NoMaint | Maintained by Others | 7 | 0 / Continuous | 1 |
| | | dsgnld | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | dsgnld | Pavers | Pavers - Brick and Block | 5 | 0 / Continuous | 1 |
| | | dsgnld | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnld | PlantingArea | Plant Areas, Patterns and Boundary Elements | 13 | 0 / Continuous | 0 |
| | | dsgnld | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | dsgnld | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnld | RockGravelStone | Rock, Gravel, Stone, Boulders, Etc. | 1 | 0 / Continuous | 2 |
| | | dsgnld | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | dsgnld | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | dsgnld | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | dsgnld | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| X | | dsgnld | Shrub | Shrubs | 2 | 0 / Continuous | 1 |
| X | | dsgnld | SlopeArea | Slope Areas for Landscape | 3 | 0 / Continuous | 1 |
| | | dsgnld | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| X | | dsgnld | StakingArea | Staking Area | 14 | 0 / Continuous | 1 |
| | | dsgnld | StreetFurniture | Benches, Trash Receptacles, Bus Stop Covers, etc. | 4 | 0 / Continuous | 1 |
| X | | dsgnld | StreetLights | Street Lights | 2 | 0 / Continuous | 1 |
| | A | dsgnld | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | dsgnld | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | dsgnld | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | dsgnld | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | dsgnld | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | dsgnld | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | dsgnld | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | dsgnld | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | dsgnld | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | dsgnld | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | dsgnld | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | dsgnld | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | dsgnld | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | dsgnld | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | dsgnld | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | dsgnld | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | dsgnld | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | dsgnld | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnld | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | dsgnld | Tree | Trees, Tree Line Pattern | 2 | 0 / Continuous | 1 |
| X | | dsgnld | TreeGrate | Tree Grate | 5 | 0 / Continuous | 1 |
| X | | dsgnld | TreeMaintArea | Area Designation for Tree Sheering and Pruning | 6 | 0 / Continuous | 1 |
| X | | dsgnld | TreeProtection | Tree Protection Symbol | 5 | RD-TreeProtection | 2 |
| | | dsgnld | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | dsgnld | WeedArea | Weeding Area | 11 | 0 / Continuous | 0 |
| | A | dsgnld | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | dsgnld | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | dsgnld | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | dsgnld | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | dsgnld | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

DSGNLT - Lighting Design

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|---------------------------|----------------|
| | B | dsgnlt | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | dsgnlt | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | dsgnlt | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | dsgnlt | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | dsgnlt | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | dsgnlt | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | dsgnlt | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | dsgnlt | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | dsgnlt | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | dsgnlt | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | dsgnlt | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | dsgnlt | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | dsgnlt | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | dsgnlt | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | dsgnlt | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | dsgnlt | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | dsgnlt | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | dsgnlt | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | dsgnlt | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | dsgnlt | InterconCable | Cable Interconnect | 1 | SG-InterconCable-Proposed | 1 |
| X | | dsgnlt | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| X | | dsgnlt | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | dsgnlt | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| | | dsgnlt | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | dsgnlt | LightingMisc | Lighting Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | dsgnlt | LightingSP | Lighting Service Points | 0 | 0 / Continuous | 1 |
| X | | dsgnlt | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | dsgnlt | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | dsgnlt | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | dsgnlt | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| | | dsgnlt | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | dsgnlt | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | dsgnlt | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | dsgnlt | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | dsgnlt | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | dsgnlt | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | dsgnlt | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | dsgnlt | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | dsgnlt | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | dsgnlt | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | dsgnlt | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | dsgnlt | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnlt | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | dsgnlt | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | dsgnlt | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnlt | PoleElec | Electrical Pole w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | dsgnlt | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnlt | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | dsgnlt | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | dsgnlt | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | dsgnlt | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnlt | PoleTel | Telephone Pole | 6 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleUtil | Utility Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnlt | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnlt | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | dsgnlt | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnlt | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | dsgnlt | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | dsgnlt | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | dsgnlt | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | dsgnlt | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | dsgnlt | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | dsgnlt | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | dsgnlt | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | dsgnlt | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | dsgnlt | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | dsgnlt | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | dsgnlt | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| B | | dsgnlt | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | dsgnlt | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | dsgnlt | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | dsgnlt | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | dsgnlt | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | dsgnlt | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | dsgnlt | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | dsgnlt | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | dsgnlt | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | dsgnlt | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | dsgnlt | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | dsgnlt | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | dsgnlt | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | dsgnlt | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | dsgnlt | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | dsgnlt | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | dsgnlt | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | dsgnlt | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | dsgnlt | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | dsgnlt | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | dsgnlt | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnlt | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | | dsgnlt | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| A | | dsgnlt | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnlt | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnlt | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnlt | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | dsgnlt | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

DSGNRD - Roadway Design

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | B | dsgnrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | dsgnrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | dsgnrd | ArchSite_ep | Archeological Site (Existing) | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | ArtificialCovering | Artificial Coverings | 10 | 0 / Continuous | 2 |
| | A | dsgnrd | Assembly_dp | Civil 3D Assemblies and Subassemblies | 4 | 0 / Continuous | 2 |
| | | dsgnrd | ATDims | AutoTurn Profile Dimensions, Tire Envelope | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | Attenuator | Attenuator Systems | 6 | MOT-Attenuator | 1 |
| X | | dsgnrd | AttenuatorTM | Attenuator Truck Mount | 6 | 0 / Continuous | 2 |
| | | dsgnrd | ATTText | AutoTurn Profile and TT Dimensions, Annotation, TT Overhang | 0 | 0 / Continuous | 1 |
| | | dsgnrd | ATVHP | AutoTurn Temporary Profile for Building Custom Type | 1 | 0 / Continuous | 1 |
| | | dsgnrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Berm | Berm (Top, Front, or Back) | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | Berm_pm | Berm - Component Point Property and Model Break Line (Above Ground) | 10 | 0 / Continuous | 1 |
| | | dsgnrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | BikeLaneColorPavt | Green Bike Lane Pavement | 2 | 0 / Continuous | 2 |
| X | | dsgnrd | Bollard | Concrete Filled Pipe Bollards | 11 | 0 / Continuous | 2 |
| X | | dsgnrd | Bottom_pm | Bottom - Component Point Property and Model Break Line (All) | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| X | | dsgnrd | Bridge | Bridge | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Bridge_pm | Bridge - Component Point Property and Model Break Line (Above Ground) | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | Bridge_px | Bridge Component on Cross Sections - Component Property | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | BridgeAppSlab | Bridge Approaches and Slabs | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | BridgeBot_pm | Bridge Bottom - Component Point Property and Model Break Line (Buried) | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | BridgePiers | Bridge Piers | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Building | Buildings | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | CableBarrier | Cable Barrier | 0 | RD-CableBarrier | 2 |
| X | | dsgnrd | CableBarrier_px | Cable Barrier on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Canal | Canal | 7 | 0 / Continuous | 1 |
| X | | dsgnrd | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | dsgnrd | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | dsgnrd | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | CATVBur_ex | Cable TV and Miscellaneous on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | dsgnrd | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | dsgnrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | dsgnrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | ClearingGrubbing | Clearing and Grubbing Limits and Quantity Items | 4 | 0 / Continuous | 1 |
| | | dsgnrd | ClearZone_dp | Clear Zone Elements | 3 | 1 / DGN1 | 1 |
| | | dsgnrd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | dsgnrd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | dsgnrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | dsgnrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | Concrete | Concrete Areas and Miscellaneous (All Types) | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Concrete_px | Concrete Boundary Lines on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | ConcSlabs | Concrete Slabs | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Conduit_ex | Conduit and Encasements on Cross Sections (Existing) | 3 | 2 / DGN2 | 1 |
| X | | dsgnrd | Conduit_px | Conduit and Encasements on Cross Sections | 3 | 0 / Continuous | 1 |
| | | dsgnrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | dsgnrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | dsgnrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | dsgnrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | dsgnrd | ContoursMajor | Contour Lines Major | 3 | 0 / Continuous | 2 |
| | | dsgnrd | ContoursMajor_ep | Contour Lines Major (Existing) | 3 | 1 / DGN1 | 1 |
| | | dsgnrd | ContoursMinor | Contour Lines Minor | 4 | 0 / Continuous | 2 |
| | | dsgnrd | ContoursMinor_ep | Contour Lines Minor (Existing) | 4 | 1 / DGN1 | 1 |
| | | dsgnrd | ControlZone_dp | Control Zone | 3 | 1 / DGN1 | 2 |
| | | dsgnrd | Core | Core Test Hole | 9 | 1 / DGN1 | 1 |
| X | B | dsgnrd | CorrHndlStg1_dp | Corridor Handle Display Setting for Corridor Design Stage 1 | 0 | 0 / Continuous | 1 |
| X | B | dsgnrd | CorrHndlStg2_dp | Corridor Handle Display Setting for Corridor Design Stage 2 | 4 | 0 / Continuous | 1 |
| X | B | dsgnrd | CorrHndlStg3_dp | Corridor Handle Display Setting for Corridor Design Stage 3 | 3 | 0 / Continuous | 1 |
| | A | dsgnrd | Corridor_dp | Civil 3D Corridors | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Curb_pm | Curb - Component Point Property and Model Break Line | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | CurbBack | Back of Curb | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | CurbBase_pm | Curb Base Top - Component Point Property and Model Break Line | 3 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| X | | dsgnrd | CurbFace | Curb and Gutter (Face) | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | CurbFlowLine_pm | Curb Flow Line - Component Point Property and Model Break Line | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | CurbRamp | Curb Cut Ramp | 8 | 0 / Continuous | 1 |
| X | | dsgnrd | CurbRampWarning | Detectable Warnings on Curb Ramps | 4 | 0 / Continuous | 2 |
| | | dsgnrd | CurveData_dp | Curve & Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | dsgnrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | Cut_pm | Tie to Ground in Cut - Component Point Property and Model Break Line | 3 | 0 / Continuous | 1 |
| | | dsgnrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | Ditch | Ditch Top | 7 | 6 / DGN6 | 1 |
| X | | dsgnrd | Ditch_px | Ditch Top on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | dsgnrd | DitchBot | Ditch Bottom | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | DitchBot_pm | Ditch Bottom - Component Point Property and Model Break Line | 10 | 0 / Continuous | 1 |
| X | | dsgnrd | DitchBot_px | Ditch Bottom on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | DitchPavt_pm | Ditch Pavement Top - Component Point Property and Model Break Line | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | DitchPavt_px | Ditch Pavement on Cross Sections | 3 | 0 / Continuous | 3 |
| | | dsgnrd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |
| | | dsgnrd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | dsgnrd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | dsgnrd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | dsgnrd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | dsgnrd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| X | | dsgnrd | DitchTop_pm | Ditch Top - Component Point Property and Model Break Line | 9 | 0 / Continuous | 1 |
| | | dsgnrd | DrainAlert_px | Alert Symbolology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 3 |
| | | dsgnrd | DrainMisc_ex | Drainage Elements on Cross Sections (All) (Miscellaneous) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | dsgnrd | DrainStruct | Drainage Structure in Plan | 10 | 2 / DGN2 | 2 |
| X | | dsgnrd | DrainStruct_ex | Drainage Structures on Cross Sections (All) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | dsgnrd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | DrainStruct_px | Drainage Structures and Elements on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| | | dsgnrd | Driveway | Driveway (Drive, Lane, Turnouts) | 7 | 0 / Continuous | 2 |
| X | | dsgnrd | Driveway_ex | Driveway Lines on Cross Sections (Existing) | 7 | 2 / DGN2 | 2 |
| X | | dsgnrd | Driveway_pm | Component Point Property and Model Break Line | 7 | 0 / Continuous | 1 |
| X | | dsgnrd | Driveway_px | Driveway Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | dsgnrd | DrivewayBase_px | Driveway Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | dsgnrd | DTM | Digital Terrain Model, TIN Model Elements | 1 | 0 / Continuous | 2 |
| | | dsgnrd | DTM_ep | Digital Terrain Model, TIN Model Elements (Existing) | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | DTM_ex | Digital Terrain Model on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnrd | DTM_px | Digital Terrain Model on Cross Sections | 1 | 0 / Continuous | 0 |
| X | | dsgnrd | DTMBotMesh | Bottom Surface TIN/DTM of the Proposed Corridor | 60 | 0 / Continuous | 1 |
| X | | dsgnrd | DTMSource | Digital Terrain Model, Source Feature | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | DTMSource_ep | Digital Terrain Model, Source Feature (Existing) | 0 | 1 / DGN1 | 1 |
| X | | dsgnrd | DTMTopMesh | Top Surface TIN/DTM of the Proposed Corridor | 20 | 0 / Continuous | 1 |
| X | | dsgnrd | DTMTriangles | Digital Terrain Model, Triangles | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | DTMTriangles_ep | Digital Terrain Model, Triangles (Existing) | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | DTMVertices | Digital Terrain Model, Triangle Vertices | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | dsgnrd | DTMVertices_ep | Digital Terrain Model, Triangle Vertices (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnrd | Earthwork1_px | Earthwork (Color 0) on Cross Sections | 0 | 0 / Continuous | 1 |
| | | dsgnrd | Earthwork2_px | Earthwork (Color 1) on Cross Sections | 1 | 0 / Continuous | 1 |
| | | dsgnrd | Earthwork3_px | Earthwork (Color 2) on Cross Sections | 2 | 0 / Continuous | 1 |
| | | dsgnrd | Earthwork4_px | Earthwork (Color 3) on Cross Sections | 3 | 0 / Continuous | 1 |
| | | dsgnrd | Earthwork5_px | Earthwork (Color 4) on Cross Sections | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | dsgnrd | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 |
| X | | dsgnrd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 12 |
| X | | dsgnrd | EasePerpLine_px | Easement Lines Perpetual on Cross Sections | 4 | RW-PerpetualEasement | 2 |
| X | | dsgnrd | EaseTempLine | Easement Lines Temporary | 6 | RW-TemporaryEasement | 0 |
| X | | dsgnrd | EaseTempLine_ep | Easement Lines Temporary (Existing) | 6 | RW-TemporaryEasement | 1 |
| X | | dsgnrd | EaseTempLine_px | Easement Lines Temporary on Cross Sections | 6 | RW-TemporaryEasement | 0 |
| X | | dsgnrd | ElecBur_ex | Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | dsgnrd | ElecBur_px | Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | Endwall_px | Endwall on Cross Sections | 10 | 0 / Continuous | 2 |
| | | dsgnrd | EnvImpact_ep | Locations for Potential Environmental Concerns (Existing) | 3 | 0 / Continuous | 1 |
| | | dsgnrd | ExcavationLimits_dp | Excavation Limits on Cross Sections | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | Fence | Fence, Sand Fence | 6 | RD-Fence | 1 |
| | | dsgnrd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | dsgnrd | Fence_pm | Fence - Component Point Property and Model Break Line Above Ground | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | Fence_px | Fence Lines on Cross Sections | 6 | RD-Fence | 2 |
| X | | dsgnrd | FenceLt | Fence - Limited Access Left | 6 | RD-Fence | 1 |
| X | | dsgnrd | FenceRt | Fence - Limited Access Right | 6 | RD-Fence | 1 |
| X | | dsgnrd | FES_px | Flared End Sections on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | Fill_pm | Tie to Ground in Fill - Component Point Property and Model Break Line | 1 | 0 / Continuous | 1 |
| | | dsgnrd | FlowArrow | Digital Terrain Model, Triangle Flow Arrows | 10 | 0 / Continuous | 2 |
| | | dsgnrd | FlowArrow_ep | Digital Terrain Model, Triangle Flow Arrows (Existing) | 10 | 0 / Continuous | 2 |
| | | dsgnrd | FlowLine_pr | Flow Line (Roadway Profile View) | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | FlowPaths | Time of Concentration Flow Paths | 10 | 1 / DGN1 | 1 |
| X | | dsgnrd | FOCBur_ex | Fiber Optics Cable on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | dsgnrd | FOCBur_px | Fiber Optics Cable on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | FOEElecBur_ex | Fiber Optics Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | dsgnrd | FOEElecBur_px | Fiber Optics Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | FOTBur_ex | Fiber Optics Telephone on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | dsgnrd | FOTBur_px | Fiber Optics Telephone on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | Gabions | Gabion Baskets or Mats | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | Gabions_ep | Gabion Baskets or Mats (Existing) | 10 | 1 / DGN1 | 2 |
| X | | dsgnrd | Gas_ex | Gas Pipe and Fittings on Cross Sections (Miscellaneous) (Existing) | 4 | 2 / DGN2 | |
| X | | dsgnrd | Gas_px | Gas Pipe and Fittings on Cross Sections (Miscellaneous) | 4 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | |
| | | dsgnrd | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | |
| | | dsgnrd | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|---|---------------|----------------------------------|----------------|
| | | dsgnrd | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections - Shell | 3 | 1 / DGN1 | |
| | | dsgnrd | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections - Limestone | 2 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | |
| | | dsgnrd | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | |
| | | dsgnrd | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | |
| X | | dsgnrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| | B | dsgnrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| | B | dsgnrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| | B | dsgnrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| | B | dsgnrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| | B | dsgnrd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| | B | dsgnrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| | B | dsgnrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| | B | dsgnrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | dsgnrd | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | dsgnrd | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | dsgnrd | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | dsgnrd | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 0 |
| | | dsgnrd | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |
| | | dsgnrd | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 0 |
| | | dsgnrd | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 0 |
| | | dsgnrd | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | dsgnrd | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 0 |
| | | dsgnrd | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 0 |
| | | dsgnrd | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| X | | dsgnrd | Grass | Grass, Seeding and Mulching Areas | 2 | 1 / DGN1 | 2 |
| | | dsgnrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | dsgnrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | dsgnrd | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | dsgnrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| X | | dsgnrd | Guardrail | Guardrail | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | Guardrail_ex | Guardrail Lines on Cross Sections (Existing) | 0 | 2 / DGN2 | 2 |
| X | B | dsgnrd | Guardrail3dDbI_pm | Guardrail - Component Point Property and Model Break Line for 3D Guardrail Posts (Double) | 9 | 3D-Guardrail-Double / Continuous | 0 |
| X | B | dsgnrd | Guardrail3dLt_pm | Guardrail - Component Point Property and Model Break Line for 3D Guardrail Posts (Left) | 9 | 3D-Guardrail-Left / Continuous | 0 |
| X | B | dsgnrd | Guardrail3dRt_pm | Guardrail - Component Point Property and Model Break Line for 3D Guardrail Posts (Right) | 9 | 3D-Guardrail-Right / Continuous | 0 |
| X | | dsgnrd | GuardrailBRLt | Guardrail Bridge (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailBRRt | Guardrail Bridge (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | dsgnrd | GuardrailDbI | Guardrail (Double Face) | 0 | RD-Guardrail-Double | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|---------------------------|----------------|
| X | | dsgnrd | GuardrailEndAch | Guardrail (End Anchorage) | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | GuardrailLt | Guardrail (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailModThrieDbf | Guardrail Modified Thrie Beam (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | dsgnrd | GuardrailModThrieLt | Guardrail Modified Thrie Beam (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailModThrieRt | Guardrail Modified Thrie Beam (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | dsgnrd | GuardrailPanel_pm | Guardrail - Component Point Property and Model Break Line for Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | | dsgnrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | dsgnrd | GuardrailPost_pm | Guardrail – Component Point Property and Model Break Line for Guardrail Posts | 10 | 0 / Continuous | 1 |
| X | B | dsgnrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| X | | dsgnrd | GuardrailPRDbf | Guardrail Double Face w/ Pipe Rail | 0 | RD-Guardrail-Double | 1 |
| X | | dsgnrd | GuardrailPRLt | Guardrail Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailPRRt | Guardrail Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | dsgnrd | GuardrailRRDbf | Guardrail Double Face w/ Rub Rail | 0 | RD-Guardrail-Double | 1 |
| X | | dsgnrd | GuardrailRRLt | Guardrail Left w/ Rub Rail | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailRRRt | Guardrail Right w/ Rub Rail | 0 | RD-Guardrail-Right | 1 |
| X | | dsgnrd | GuardrailRt | Guardrail Right | 0 | RD-Guardrail-Right | 1 |
| X | | dsgnrd | GuardrailThrieDbf | Guardrail Thrie Beam Double Face | 0 | RD-Guardrail-Double | 1 |
| X | | dsgnrd | GuardrailThrieLt | Guardrail Thrie Beam Left | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailThriePRLt | Guardrail Thrie Beam Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | dsgnrd | GuardrailThriePRRt | Guardrail Thrie Beam Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | dsgnrd | GuardrailThrieRt | Guardrail Thrie Beam Right | 0 | RD-Guardrail-Right | 1 |
| | | dsgnrd | HardscapeDetails | Paving Details, Fence Railing, Stamped Asphalt | 4 | 0 / Continuous | 2 |
| | | dsgnrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | dsgnrd | Inlet_px | Inlets on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | InletBottom_px | Inlet Bottom on Cross Sections (All Types) | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | InletProt | Rock Bags and Sand Bagging | 10 | SWP-RockBags | 2 |
| | | dsgnrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | dsgnrd | LaneLine | Lane Lines - Delineates Travel Lanes (Non-Plotting) | 4 | 3 / DGN3 | 2 |
| X | | dsgnrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | dsgnrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | dsgnrd | LARWLine_ex | Limited Access Right of Way Lines on Cross Sections (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | dsgnrd | LARWLine_px | Limited Access Right of Way Lines on Cross Sections | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | dsgnrd | LateralLimits_px | Lateral Limits on Cross Sections | 6 | 0 / Continuous | 2 |
| | | dsgnrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | dsgnrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | Mailbox | Mailboxes | 8 | 0 / Continuous | 1 |
| | | dsgnrd | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| X | | dsgnrd | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| | A | dsgnrd | MatchLineMask_dp | Mask Area for Match Line Overlap Areas (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| | | dsgnrd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | MedianCrown_pm | Median Crown - Component Point Property and Model Break Line | 9 | 0 / Continuous | 1 |
| X | | dsgnrd | MES_px | Mitered End Section on Cross Sections | 10 | 0 / Continuous | 2 |
| | | dsgnrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | dsgnrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | dsgnrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | | dsgnrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | dsgnrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | dsgnrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | dsgnrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | dsgnrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | dsgnrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | dsgnrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | dsgnrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | dsgnrd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | dsgnrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | dsgnrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | dsgnrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | dsgnrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| X | | dsgnrd | PavedMedianBase_px | Median Subgrade on Cross Sections (Paved) | 3 | 0 / Continuous | 2 |
| | | dsgnrd | Pavers | Pavers - Brick and Block | 5 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtAsphalt | Asphalt Pavement Edge Line and Quantity Shapes | 0 | 0 / Continuous | 2 |
| | | dsgnrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | dsgnrd | PavtAsphalt_pm | Asphalt Pavement Edge Line - Component Point Property and Model Break Line | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtAsphalt_px | Asphalt Pavement on Cross Sections and Components in Models | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtBase | Base Material (All Types) | 3 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtBase_ex | Base Material on Cross Sections (All Types) (Existing) | 3 | 3 / DGN3 | 1 |
| X | | dsgnrd | PavtBase_pm | Pavement Base Top - Component Point Property and Model Break Line | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtBase_px | Base Material on Cross Sections (All Types) | 3 | 0 / Continuous | 2 |
| | | dsgnrd | PavtBreak_dp | Line Defining a Pavement Slope Break | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtBreak_pm | Break in Slope or Lane on Pavement - Component Point Property and Model Break Line | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtConcrete | Concrete Pavement Edge Lines and Quantity Shapes | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtConcrete_pm | Concrete Pavement - Component Point Property and Model Break Line | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtConcrete_px | Concrete Pavement on Cross Sections and Components in Models | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtConcreteSC | Concrete Surface Coloring | 9 | 0 / Continuous | 1 |
| | | dsgnrd | PavtCrown | Pavement Crown | 16 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtCrown_pm | Pavement Crown - Component Point Property and Model Break Line | 16 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtFrictionCourse | Asphalt Concrete Friction Course | 4 | 0 / Continuous | 2 |
| | | dsgnrd | PavtMilling | Milling and Resurfacing Limits and Quantity Shapes | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtMilling_pm | Asphalt Milling - Component Point Property and Model Break Line | 7 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtMilling_px | Asphalt Milling Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| | | dsgnrd | PavtMisc | Asphalt Material (Miscellaneous) | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtMisc_pm | Pavement - Component Point Property and Model Break Line (Miscellaneous) | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtMisc_px | Pavement on Cross Sections (Miscellaneous) | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtOverbuild_pm | Pavement Overbuild - Component Point Property and Model Break Line | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtOverbuild_px | Pavement Overbuild Areas on Cross Sections - Component Property | 4 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtOverlay_pm | Pavement Overlay - Component Point Property and Model Break Line | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | PavtOverlay_px | Pavement Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtOverlay1_px | Pavement Overlay on Cross Sections - Component Property | 14 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtOverlay2_px | Pavement Overlay on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| X | | dsgnrd | PavtStabilization | Stabilization Material Lines and Shapes | 9 | 0 / Continuous | 2 |
| X | | dsgnrd | PavtStabilization_px | Stabilization on Cross Sections | 5 | 2 / DGN2 | 2 |
| | | dsgnrd | PavtXover_ep | Crossovers and Detours (Temporary) (Existing) | 0 | 3 / DGN3 | 0 |
| | | dsgnrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | dsgnrd | Permit1 | Permit 1 Wetlands, Mitigation Sites, Planting Areas | 1 | 0 / Continuous | 1 |
| | | dsgnrd | Permit2 | Permit 2 Wetlands, Mitigation Sites, Planting Areas | 2 | 0 / Continuous | 1 |
| | | dsgnrd | Permit3 | Permit 3 Wetlands, Mitigation Sites, Planting Areas | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | Piling | Piling Piers or Column | 8 | 0 / Continuous | 2 |
| X | | dsgnrd | PipeCulvert | Pipe Culvert in Plan | 10 | 0 / Continuous | 2 |
| | | dsgnrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | dsgnrd | PipeCulvert_ex | Pipe Culvert in Cross Sections (Existing) | 10 | 3 / DGN3 | 1 |
| X | | dsgnrd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | dsgnrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | dsgnrd | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | dsgnrd | PondSideSlope | Pond Side Slope | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | B | dsgnrd | PvtAnalysisCrown_pm | Pavement Analysis Crowning - Point Property | 7 | 0 / Continuous | 1 |
| X | B | dsgnrd | PvtAnalysisCrown_px | Pavement Analysis Crowning on Cross Sections - Component Property | 7 | 0 / Continuous | 1 |
| X | | dsgnrd | PvtAnalysisFail_pm | Pavement Analysis Failure - Point Property | 3 | 0 / Continuous | 1 |
| X | B | dsgnrd | PvtAnalysisFail_px | Pavement Analysis Failure on Cross Sections - Component Property | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | PvtAnalysisMax_pm | Pavement Analysis Acceptable Maximum Range - Point Property | 5 | 0 / Continuous | 1 |
| X | B | dsgnrd | PvtAnalysisMax_px | Pavement Analysis Acceptable Maximum Range on Cross Sections - Component Property | 5 | 0 / Continuous | 1 |
| X | | dsgnrd | PvtAnalysisMin_pm | Pavement Analysis Acceptable Minimum Range - Point Property | 4 | 0 / Continuous | 1 |
| X | B | dsgnrd | PvtAnalysisMin_px | Pavement Analysis Acceptable Minimum Range on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | PvtAnalysisOptiml_pm | Pavement Analysis Optimal - Point Property | 2 | 0 / Continuous | 1 |
| X | B | dsgnrd | PvtAnalysisOptiml_px | Pavement Analysis Optimal on Cross Sections - Component Property | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | Railing | Railings; Piperail, Guiderail, Handrail used for Pedestrian and Bicycles (All) | 9 | 0 / Continuous | 2 |
| X | | dsgnrd | Railing_pm | Railing Top - Component Point Property and Model Break Line | 9 | 0 / Continuous | 1 |
| X | | dsgnrd | Railing_px | Railing Components and Cross Sections Shapes | 9 | 0 / Continuous | 2 |
| | | dsgnrd | RailroadDetails | Railroad Crossing Details | 3 | 0 / Continuous | 2 |
| | | dsgnrd | RailroadXing | Railroad Crossing Elements | 11 | 0 / Continuous | 0 |
| | | dsgnrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | A | dsgnrd | RegionBdry_dp | Boundary Line for Regions in Corridor Design (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| X | | dsgnrd | RetentionArea | Retention Area | 2 | 0 / Continuous | 2 |
| X | | dsgnrd | RipRap | Rip Rap, Rubble | 4 | 0 / Continuous | 2 |
| X | | dsgnrd | RipRap_px | Rip Rap, Rubble on Cross Sections | 4 | 1 / DGN1 | |
| | | dsgnrd | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | dsgnrd | RumbleStrip1 | Rumble Strips Continuous Array | 0 | PM-RumbleSolid | 2 |
| X | | dsgnrd | RumbleStrip2 | Rumble Strips Skip Array | 0 | PM-RumbleSkip | 2 |
| X | | dsgnrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | dsgnrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| X | | dsgnrd | RWLine_ex | Right of Way Lines on Cross Sections (Existing) | 3 | RW-Existing | 1 |
| X | | dsgnrd | RWLine_px | Right of Way Lines on Cross Sections | 4 | RW-Proposed | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| X | | dsgnrd | SanitaryFM_ex | Force Main Lines on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnrd | SanitaryFM_px | Force Main Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | SanitarySewer_ex | Sanitary Sewer on Cross Sections (Existing) | 2 | 2 / DGN2 | 0 |
| X | | dsgnrd | SanitarySewer_px | Sanitary Sewer on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | dsgnrd | SanitarySewerEff_ex | Sanitary Sewer Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | dsgnrd | SanitarySewerEff_px | Sanitary Sewer Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| X | | dsgnrd | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | dsgnrd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | dsgnrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | dsgnrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | dsgnrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | dsgnrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| 101 | | dsgnrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-HayBales | 2 |
| 101 | | dsgnrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-SiltFence | 2 |
| X | | dsgnrd | SedimentBasin | Sediment Basin Index 101 | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | SedimentBasin_ep | Sediment Basin Index 101 (Existing) | 10 | 3 / DGN3 | 1 |
| | | dsgnrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | dsgnrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | dsgnrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | dsgnrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | dsgnrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | dsgnrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | dsgnrd | ShldrBase_pm | Shoulder Base - Component Point Property and Model Break Line | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrBase_px | Shoulder Base on Cross Sections | 3 | 0 / Continuous | 2 |
| | | dsgnrd | ShldrHatch | Shoulder Hatch Pattern | 1 | 0 / RD-PavedShldr6 | 1 |
| X | | dsgnrd | ShldrMilling_pm | Shoulder Milling - Component Point Property and Model Break Line | 7 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrMilling_px | Shoulder Milling on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | dsgnrd | ShldrOverbuild_px | Shoulder Overbuild on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrOverlay_px | Shoulder Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrPavBreak_pm | Shoulder Pavement Roll Over Break - Component Point Property and Model Break Line | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrPaved | Shoulder Line (Paved) | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrPaved_pm | Shoulder Pavement - Component Point Property and Model Break Line | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrPaved_px | Shoulder Lines on Cross Sections (Paved) | 1 | 0 / Continuous | 2 |
| X | | dsgnrd | ShldrUnpavBreak_pm | Shoulder Roll Over Break - Component Point Property and Model Break Line (Unpaved) | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | ShldrUnpaved | Shoulder Line (Unpaved) | 0 | 0 / Continuous | 0 |
| X | | dsgnrd | ShldrUnpaved_px | Shoulder Line on Cross Sections (Unpaved) | 2 | 0 / Continuous | 2 |
| X | | dsgnrd | Sidewalk_ex | Sidewalk Elements on Cross Sections (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnrd | Sidewalk_pm | Sidewalk - Component Point Property and Model Break Line | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | Sidewalk_px | Sidewalk Elements on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | SidewalkBack | Back of Sidewalk | 2 | 0 / Continuous | 1 |
| | | dsgnrd | SidewalkBack_er | Back of Sidewalk Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | dsgnrd | SidewalkBack_pr | Back of Sidewalk Line Profile | 5 | 0 / Continuous | 2 |
| X | | dsgnrd | SidewalkBase_px | Sidewalk Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | dsgnrd | SidewalkConc | Sidewalk Concrete Shape | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | SidewalkFront | Front of Sidewalk | 1 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | dsgnrd | Slopes | Slopes (Top, Bottom) | 9 | 3 / DGN3 | 0 |
| X | | dsgnrd | Slopes_px | Slope Lines on Cross Sections | 9 | 0 / Continuous | 2 |
| X | | dsgnrd | SlopesBreak_pm | Slopes - Component Point Property and Model Break Line | 9 | 0 / Continuous | 1 |
| X | | dsgnrd | SlopeStakes1 | Slope Stakes 1 | 4 | 1 / DGN1 | 3 |
| X | | dsgnrd | SlopeStakes2 | Slope Stakes 2 | 1 | 1 / DGN1 | 3 |
| X | B | dsgnrd | SnglStaHndl_dp | Single Station Handle Display Setting for All Design Stages | 44 | 0 / Continuous | 1 |
| X | | dsgnrd | Sod | Performance Sod | 2 | 0 / Continuous | 2 |
| X | | dsgnrd | SoilBoring | Soil Boring Elements | 5 | 0 / Continuous | 1 |
| | | dsgnrd | SoilBoringLoc_dp | Soil Boring Location Symbol | 4 | 0 / Continuous | 2 |
| | | dsgnrd | SoilBoxes_dp | Soil Boxes | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |
| | | dsgnrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| | | dsgnrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | dsgnrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| | | dsgnrd | StreetLights_px | Street Lights on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | dsgnrd | StructuralCourse | Asphaltic Concrete Structural Course | 6 | 0 / Continuous | 2 |
| | | dsgnrd | Structure | Structures | 0 | 0 / Continuous | 2 |
| | | dsgnrd | Structure_px | Signal and Sign Structures on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | dsgnrd | SubDsgn_px | Sub Design on Cross Sections Including Subbase | 4 | 0 / Continuous | 1 |
| X | | dsgnrd | Subsoil_px | Subsoil Or Undercut on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | dsgnrd | SubsoilFinal_px | Subsoil Final for Multiline on Cross Sections | 18 | 0 / Continuous | 1 |
| X | | dsgnrd | SubsoilProp_px | Subsoil Proposed for Multiline on Cross Sections | 8 | 0 / Continuous | 1 |
| | B | dsgnrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | dsgnrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | dsgnrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| X | A | dsgnrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | TeleBur_ex | Telephone on Cross Sections (Buried) (Miscellaneous) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | dsgnrd | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| X | B | dsgnrd | TemplateBottom_px | Bottom of Template for Multiline on Cross Sections | 6 | 0 / Continuous | 1 |
| X | B | dsgnrd | TemplateFinal_px | Final Template for Multiline on Cross Sections | 2 | 0 / Continuous | 1 |
| X | B | dsgnrd | TemplateTop_px | Top of Template for Multiline on Cross Sections | 7 | 0 / Continuous | 1 |
| X | | dsgnrd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | dsgnrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | dsgnrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | dsgnrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | dsgnrd | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|----------------------------|----------------|
| | | dsgnrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | dsgnrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | dsgnrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | dsgnrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | dsgnrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | dsgnrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | dsgnrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | dsgnrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnrd | TextXSBL_dp | Text - Cross Section Baseline Labels | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextXSDrain_ex | Text - Cross Section Drainage Labels (Existing) | 10 | 0 / Continuous | 2 |
| | | dsgnrd | TextXSDrain_px | Text - Cross Section Drainage Labels | 10 | 0 / Continuous | 2 |
| | | dsgnrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | dsgnrd | TextXSElev_ex | Text - Cross Section Elevations (Existing) | 2 | 0 / Continuous | 1 |
| | | dsgnrd | TextXSElev_px | Text - Cross Section Elevations | 0 | 0 / Continuous | 1 |
| | B | dsgnrd | TextXSGPKPts_dp | Text - Cross Section Points Labels | 4 | 0 / Continuous | 0 |
| | | dsgnrd | TextXSNotes_dp | Text - Cross Section Notes | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextXSSTlope_dp | Text - Cross Section Slope Labels (rise:run format) | 0 | 0 / Continuous | 2 |
| | | dsgnrd | TextXSSTlopePvt_dp | Text - Cross Section Pavement Slope Labels | 0 | 0 / Continuous | 2 |
| X | B | dsgnrd | TmpDrpHndlStg1_dp | Template Drop Handle Display Setting on Corridor Design Stage 1 | 14 | 0 / Continuous | 1 |
| X | B | dsgnrd | TmpDrpHndlStg2_dp | Template Drop Handle Display Setting on Corridor Design Stage 2 | 10 | 0 / Continuous | 1 |
| X | B | dsgnrd | TmpDrpHndlStg3_dp | Template Drop Handle Display Setting on Corridor Design Stage 3 | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | TrafSeparator | Traffic Separator (All Types) | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | TrafSeparator_ex | Traffic Separator on Cross Sections (All Types) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | dsgnrd | TrafSeparator_pm | Traffic Separator Top - Component Point Property and Model Break Line | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |
| X | | dsgnrd | TrafSeparatorBase_px | Traffic Separator Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | B | dsgnrd | TranstionHndl_dp | Transition Handle Display Setting for All Design Stages | 29 | 0 / Continuous | 1 |
| X | | dsgnrd | TurbidityBarrier1 | Turbidity Barrier 1 (Floating) | 10 | SWP-TurbidityBarrier-Type1 | 2 |
| | | dsgnrd | TurbidityBarrier1_ep | Turbidity Barrier 1 (Floating) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | dsgnrd | TurbidityBarrier2 | Turbidity Barrier 2 (Staked) | 10 | SWP-TurbidityBarrier-Type2 | 2 |
| | | dsgnrd | TurbidityBarrier2_ep | Turbidity Barrier 2 (Staked) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | dsgnrd | Turf | Performance Turf | 100 | 0 / Continuous | 2 |
| | | dsgnrd | TurningEle_dp | Turning Radius Elements (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | dsgnrd | TurningRadius_dp | Turning Radius Line | 3 | 3 / DGN3 | 1 |
| | | dsgnrd | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | dsgnrd | UtilsMisc_ex | Utility Items on Cross Sections (Miscellaneous) (Existing) | 8 | 2 / DGN2 | 1 |
| | | dsgnrd | UtilsMisc_px | Utility Items on Cross Sections (Miscellaneous) | 8 | 0 / Continuous | 1 |
| | | dsgnrd | Vehicle | Vehicle for Calculating Turning Radius | 7 | 0 / Continuous | 2 |
| | A | dsgnrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | dsgnrd | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| X | | dsgnrd | WallBarrier | Barrier Wall (All Types) | 6 | 0 / Continuous | 2 |
| X | | dsgnrd | WallBarrier_ex | Barrier Wall on Cross Section (Existing) | 6 | 3 / DGN3 | 2 |
| X | | dsgnrd | WallBarrier_pm | Barrier Wall Top - Component Point Property and Model Break Line | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | WallBarrier_px | Barrier Wall on Cross Sections | 6 | 0 / Continuous | 2 |
| X | | dsgnrd | WallFooter_pm | Wall Footer Top - Component Point Property and Model Break Line | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | WallFooter_px | Wall Footer (Concrete) on Cross Sections - Component Symbology/Material on All Wall Footers/Leveling Pads | 2 | 0 / Continuous | 1 |
| X | | dsgnrd | WallGravBase_px | Gravity Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | dsgnrd | WallGravity | Gravity Wall | 11 | 0 / Continuous | 1 |
| X | | dsgnrd | WallGravity_pm | Gravity Wall Top - Component Point Property and Model Break Line | 11 | 0 / Continuous | 1 |
| X | | dsgnrd | WallGravity_px | Gravity Wall on Cross Sections | 11 | 0 / Continuous | 2 |
| X | | dsgnrd | WallMedianBase_px | Median Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | dsgnrd | WallNoise | Noise Wall (All Types) | 11 | 0 / Continuous | 2 |
| X | | dsgnrd | WallRetain | Retaining Wall System | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | WallRetain_pm | Retaining Wall Top - Component Point Property and Model Break Line | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | WallRetain_pr | Retaining Wall Profile | 9 | 0 / Continuous | 2 |
| X | | dsgnrd | WallRetain_px | Retaining Walls on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | dsgnrd | WallShldrBase_px | Shoulder Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | dsgnrd | Water_ex | Water on Cross Sections (Existing) | 1 | 2 / DGN2 | 1 |
| X | | dsgnrd | Water_px | Water on Cross Sections | 1 | 0 / Continuous | 1 |
| X | | dsgnrd | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | dsgnrd | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |
| | | dsgnrd | Wetland | Wetland Boundary | 2 | RD-Wetland-Proposed | 1 |
| | | dsgnrd | Wetland_ex | Wetland Boundary on Cross Sections (Existing) | 2 | RD-Wetland-Existing | 1 |
| | | dsgnrd | WetlandEdge_ep | Edge of Mangrove, Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 |
| | | dsgnrd | Widening | Widening Patterns and Miscellaneous Elements | 1 | 0 / Continuous | 1 |
| A | | dsgnrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| X | | dsgnrd | XSBaseTop_px | Cross Section Top of Base | 3 | 0 / Continuous | 2 |
| | | dsgnrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | dsgnrd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | dsgnrd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnrd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | dsgnrd | XSMisc_ex | Cross Section Roadway Items (Miscellaneous) (Existing) | 4 | 3 / DGN3 | 1 |
| | | dsgnrd | XSMisc_px | Cross Section Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | dsgnrd | XSpt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |
| | B | dsgnrd | XSShapeDep01_dp | Cross Section Shape Dependent | 11 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep02_dp | Cross Section Shape Dependent | 12 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep03_dp | Cross Section Shape Dependent | 13 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep04_dp | Cross Section Shape Dependent | 14 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep05_dp | Cross Section Shape Dependent | 15 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep06_dp | Cross Section Shape Dependent | 16 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep07_dp | Cross Section Shape Dependent | 17 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep08_dp | Cross Section Shape Dependent | 18 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep09_dp | Cross Section Shape Dependent | 19 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeDep10_dp | Cross Section Shape Dependent | 20 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| | B | dsgnrd | XSShapeIndep01_dp | Cross Section Shape Independent | 1 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep02_dp | Cross Section Shape Independent | 2 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep03_dp | Cross Section Shape Independent | 3 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep04_dp | Cross Section Shape Independent | 4 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep05_dp | Cross Section Shape Independent | 5 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep06_dp | Cross Section Shape Independent | 6 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep07_dp | Cross Section Shape Independent | 7 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep08_dp | Cross Section Shape Independent | 8 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep09_dp | Cross Section Shape Independent | 9 | 0 / Continuous | 2 |
| | B | dsgnrd | XSShapeIndep10_dp | Cross Section Shape Independent | 10 | 0 / Continuous | 2 |
| X | | dsgnrd | XSTypical_px | Cross Section Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

DSGNSG - Signalization Design

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | B | dsgnsg | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | dsgnsg | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | dsgnsg | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| | | dsgnsg | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | dsgnsg | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | dsgnsg | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | Conduit | Conduit for Utilities and Encasements | 3 | SG-Conduit | 2 |
| X | | dsgnsg | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | dsgnsg | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | dsgnsg | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | dsgnsg | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | dsgnsg | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | dsgnsg | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | dsgnsg | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | dsgnsg | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | dsgnsg | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | dsgnsg | Controller | Controller and Accessories | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | Controller_ep | Controller and Accessories (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | ControllerAccess | Controller Accessories | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | ControllerB | Controller - Base Mounted | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | ControllerB_ep | Controller - Base Mounted (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | ControllerP | Controller Pole Mount | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | ControllerP_ep | Controller Pole Mount (Existing) | 0 | 2 / DGN2 | 1 |
| | | dsgnsg | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | dsgnsg | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | Delineator | Delineators (All Types) | 4 | 0 / Continuous | 1 |
| X | | dsgnsg | Detector | Detector Cabinet, Button and Miscellaneous Assemblies | 3 | 0 / Continuous | 2 |
| X | | dsgnsg | DetectorVeh | Detector Vehicle Assemblies (All Types) | 3 | 0 / Continuous | 1 |
| | | dsgnsg | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|---------------------------|----------------|
| X | | dsgnsg | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | dsgnsg | ElecBur | Electrical (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| X | | dsgnsg | ElecServ | Electrical Service (Miscellaneous) | 3 | 0 / Continuous | 2 |
| X | | dsgnsg | ElecServWire | Electrical Service Wire | 3 | 0 / Continuous | 2 |
| X | | dsgnsg | FOCBur | Fiber Optics Cable (Buried) | 6 | UT-BuriedFOC-Proposed | 2 |
| | | dsgnsg | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | dsgnsg | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | dsgnsg | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | dsgnsg | GSBWFill | GuidSign Black and White Fill Level for GuidSign Cells | 0 | 0 / Continuous | 1 |
| | | dsgnsg | GSColorFill | GuidSign Color Fill Level for GuidSign Cells | 2 | 0 / Continuous | 1 |
| | | dsgnsg | GSDims | GuidSign Dimensions | 0 | 0 / Continuous | 1 |
| | | dsgnsg | GSOOutline | GuidSign Outline Level for GuidSign Cells | 0 | 0 / Continuous | 2 |
| | | dsgnsg | GSSign | GuidSign Panel and Tag | 7 | 0 / Continuous | 0 |
| X | | dsgnsg | GuyWire | Guy Wire | 3 | 0 / Continuous | 2 |
| | | dsgnsg | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | dsgnsg | InRoadLight | In-Roadway Light Assembly | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | Insulator | Insulator, Fiberglass | 3 | 0 / Continuous | 4 |
| X | | dsgnsg | InterconCable | Cable Interconnect | 1 | SG-InterconCable-Proposed | 1 |
| X | | dsgnsg | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| X | | dsgnsg | JunctBox | Junction Boxes, Service Cabinet (Elec/Tel) | 3 | 0 / Continuous | 2 |
| | | dsgnsg | JunctBox_ep | Junction Box / Service Cabinet (Elec/Tel) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | dsgnsg | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| | | dsgnsg | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| | | dsgnsg | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | dsgnsg | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | dsgnsg | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | LoopLI | Loop Lead-In | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | LoopLI_ep | Loop Lead-In (Existing) | 3 | 2 / DGN2 | 0 |
| X | | dsgnsg | Loops | Loop Assembly (All Types) | 2 | 0 / Continuous | 2 |
| X | | dsgnsg | Loops_ep | Loop Assembly (All Types) (Existing) | 2 | 2 / DGN2 | 2 |
| | | dsgnsg | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| X | | dsgnsg | MessengerWire | Messenger Wire | 3 | 0 / Continuous | 1 |
| | | dsgnsg | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | dsgnsg | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | dsgnsg | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | dsgnsg | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | dsgnsg | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | dsgnsg | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | dsgnsg | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | dsgnsg | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | dsgnsg | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | dsgnsg | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | dsgnsg | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---|----------------|
| | | dsgnsg | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | dsgnsg | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| X | | dsgnsg | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| | | dsgnsg | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | PedDetector | Pedestrian Detector | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | Pedestal | Pedestal | 1 | 0 / Continuous | 1 |
| X | | dsgnsg | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | dsgnsg | PedHead | Pedestrian Head (All Types) | 1 | 0 / Continuous | 1 |
| X | | dsgnsg | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | dsgnsg | PMCeramic | Pavement Markers Ceramic | 0 | 0 / Continuous | 1 |
| | | dsgnsg | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | dsgnsg | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | dsgnsg | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | dsgnsg | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | dsgnsg | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | dsgnsg | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | dsgnsg | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | dsgnsg | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | dsgnsg | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | dsgnsg | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | dsgnsg | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | dsgnsg | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | dsgnsg | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | dsgnsg | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | dsgnsg | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | dsgnsg | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10'_20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | dsgnsg | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2'_2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | dsgnsg | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | dsgnsg | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | dsgnsg | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |
| X | | dsgnsg | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | dsgnsg | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | dsgnsg | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | dsgnsg | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | dsgnsg | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |
| X | | dsgnsg | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | dsgnsg | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |
| X | | dsgnsg | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|--|----------------|
| X | | dsgnsg | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | dsgnsg | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | dsgnsg | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |
| X | | dsgnsg | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsg | PMStripe6Bl | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | dsgnsg | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsg | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | dsgnsg | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | dsgnsg | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | dsgnsg | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsg | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | dsgnsg | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | dsgnsg | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | dsgnsg | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | dsgnsg | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | dsgnsg | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | dsgnsg | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsg | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsg | PMStripeRumbleWL | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsg | PMStripeRumbleWR | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsg | PMStripeRumbleYL | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsg | PMStripeRumbleYR | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsg | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | dsgnsg | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | dsgnsg | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | dsgnsg | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| | | dsgnsg | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | dsgnsg | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | PoleElec | Electrical Pole w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | dsgnsg | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnsg | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | dsgnsg | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | dsgnsg | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| X | | dsgnsg | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | PoleTel | Telephone Pole | 6 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleUtil | Utility Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | dsgnsg | PullBox_ep | Wiring Pull Box (Existing) | 3 | 1 / DGN1 | 1 |
| | | dsgnsg | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | dsgnsg | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | dsgnsg | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | dsgnsg | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | dsgnsg | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | dsgnsg | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | dsgnsg | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | dsgnsg | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | dsgnsg | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | dsgnsg | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | dsgnsg | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | dsgnsg | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | SignalCable | Signal Cable | 3 | SG-Cable / Continuous | 1 |
| X | | dsgnsg | SignalCableAccs | Signal Cable Accessories | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | SignalDetail | Signal Details | 0 | 0 / Continuous | 1 |
| | | dsgnsg | SignalHead | Signal Head Section Details | 2 | 0 / Continuous | 1 |
| X | | dsgnsg | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| | | dsgnsg | SignalMisc | Signal Equipment (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | SignalSOP | S.O.P. Box and Movements | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | SignalSym | Signal Head Symbols | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |
| X | | dsgnsg | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | dsgnsg | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | SignDMS | Dynamic Message Sign | 0 | 0 / Continuous | 1 |
| | | dsgnsg | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | dsgnsg | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | dsgnsg | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | dsgnsg | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | dsgnsg | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsg | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | dsgnsg | SignPanelC | Sign Panels - Civil | 1 | 0 / Continuous | 2 |
| X | | dsgnsg | SignPanelDetRed | Sign Panel Details in Red | 3 | 0 / Continuous | 2 |
| X | | dsgnsg | SignPanelG | Sign Panels - Guide | 2 | 0 / Continuous | 2 |
| X | | dsgnsg | SignPanelI | Sign Panels - Special Interest | 9 | 0 / Continuous | 2 |
| X | | dsgnsg | SignPanelT | Sign Panels - Construction | 6 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| X | | dsgnsg | SignPanelW | Sign Panels - Warning | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | dsgnsg | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnsg | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | dsgnsg | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| X | | dsgnsg | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | dsgnsg | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | dsgnsg | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | dsgnsg | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | dsgnsg | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | dsgnsg | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| B | | dsgnsg | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | dsgnsg | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | dsgnsg | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | dsgnsg | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | dsgnsg | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | dsgnsg | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | dsgnsg | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | dsgnsg | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | dsgnsg | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | dsgnsg | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | dsgnsg | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | dsgnsg | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | dsgnsg | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | dsgnsg | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | dsgnsg | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | dsgnsg | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | dsgnsg | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | dsgnsg | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | dsgnsg | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsg | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | | dsgnsg | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| A | | dsgnsg | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnsg | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnsg | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dsgnsg | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | dsgnsg | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

DSGNP - Signing and Pavement Marking Design

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | B | dsgnsp | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | dsgnsp | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | dsgnsp | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | BikeLaneColorPavt | Green Bike Lane Pavement | 2 | 0 / Continuous | 2 |
| | | dsgnsp | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | dsgnsp | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | dsgnsp | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | dsgnsp | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | dsgnsp | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | dsgnsp | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | dsgnsp | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | dsgnsp | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | dsgnsp | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | dsgnsp | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | dsgnsp | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | dsgnsp | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | dsgnsp | CrossWalk1 | Emphasis Crosswalk 6ft High | 0 | PM-Stripe-6' Crosswalk | 4 |
| X | | dsgnsp | CrossWalk2 | Emphasis Crosswalk 10ft High | 0 | PM-Stripe-10' Crosswalk | 4 |
| | | dsgnsp | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | dsgnsp | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | Delineator | Delineators (All Types) | 4 | 0 / Continuous | 1 |
| | | dsgnsp | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | dsgnsp | DirArrowsPavt | Pavement Marking Directional Arrows | 0 | 0 / Continuous | 1 |
| X | | dsgnsp | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | dsgnsp | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | dsgnsp | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | dsgnsp | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | dsgnsp | GSBWFill | GuidSign Black and White Fill Level for GuidSign Cells | 0 | 0 / Continuous | 1 |
| | | dsgnsp | GSColorFill | GuidSign Color Fill Level for GuidSign Cells | 2 | 0 / Continuous | 1 |
| | | dsgnsp | GSDims | GuidSign Dimensions | 0 | 0 / Continuous | 1 |
| | | dsgnsp | GSOOutline | GuidSign Outline Level for GuidSign Cells | 0 | 0 / Continuous | 2 |
| | | dsgnsp | GSSign | GuidSign Panel and Tag | 7 | 0 / Continuous | 0 |
| | | dsgnsp | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | dsgnsp | InRoadLight | In-Roadway Light Assembly | 0 | 0 / Continuous | 2 |
| | | dsgnsp | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| | | dsgnsp | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | dsgnsp | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | dsgnsp | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| X | | dsgnsp | MetalButtons | Metal Buttons | 0 | 0 / Continuous | 2 |
| | | dsgnsp | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | dsgnsp | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | dsgnsp | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | dsgnsp | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|---|----------------|
| | | dsgnsp | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | dsgnsp | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | dsgnsp | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | dsgnsp | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | dsgnsp | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | dsgnsp | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | dsgnsp | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | dsgnsp | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | dsgnsp | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | dsgnsp | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | dsgnsp | Pavemk_ep | Pavement Markings (All) (Existing) | 0 | 2 / DGN2 | 0 |
| X | | dsgnsp | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |
| X | | dsgnsp | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| | | dsgnsp | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | dsgnsp | PMCeramic | Pavement Markers Ceramic | 0 | 0 / Continuous | 1 |
| | | dsgnsp | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | dsgnsp | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | dsgnsp | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | dsgnsp | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | dsgnsp | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | dsgnsp | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | dsgnsp | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | dsgnsp | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | dsgnsp | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | dsgnsp | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | dsgnsp | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | dsgnsp | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | dsgnsp | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | dsgnsp | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | dsgnsp | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | dsgnsp | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10' 20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | dsgnsp | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2' 2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | dsgnsp | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | dsgnsp | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | dsgnsp | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |
| X | | dsgnsp | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | dsgnsp | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | dsgnsp | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | dsgnsp | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | dsgnsp | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|--|----------------|
| X | | dsgnsp | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | dsgnsp | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |
| X | | dsgnsp | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |
| X | | dsgnsp | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | dsgnsp | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | dsgnsp | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |
| X | | dsgnsp | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsp | PMStripe6Bl | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | dsgnsp | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsp | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | dsgnsp | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | dsgnsp | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | dsgnsp | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsp | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | dsgnsp | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | dsgnsp | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | dsgnsp | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | dsgnsp | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | dsgnsp | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | dsgnsp | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | dsgnsp | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsp | PMStripeRumbleWL | Rumble Stripes (6" White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsp | PMStripeRumbleWR | Rumble Stripes (6" White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsp | PMStripeRumbleYL | Rumble Stripes (6" Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsp | PMStripeRumbleYR | Rumble Stripes (6" Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | dsgnsp | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | dsgnsp | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | dsgnsp | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | dsgnsp | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | dsgnsp | PMYieldL | Special Marking Area Yield Lines Large | 0 | PM-Stripe-YieldLarge | 2 |
| X | | dsgnsp | PMYieldS | Special Marking Area Yield Lines Small | 0 | PM-Stripe-YieldSmall | 2 |
| | | dsgnsp | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | dsgnsp | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | ReflPaintWht | Reflective Paint - Island Nose (White) | 0 | 0 / Continuous | 3 |
| X | | dsgnsp | ReflPaintYel | Reflective Paint - Island Nose (Yellow) | 4 | 0 / Continuous | 3 |
| X | | dsgnsp | RPM_ep | Reflective Pavement Markers (Existing) | 2 | 2 / DGN2 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| X | | dsgnsp | RPM1 | Raised Pavement Markers, White | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | RPM2 | Raised Pavement Markers, White - Red | 3 | 0 / Continuous | 2 |
| X | | dsgnsp | RPM3 | Raised Pavement Markers, Yellow | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | RPM4 | Raised Pavement Markers, Yellow - Yellow | 9 | 0 / Continuous | 2 |
| X | | dsgnsp | RPM5 | Raised Pavement Markers, Yellow - Red | 6 | 0 / Continuous | 2 |
| X | | dsgnsp | RPM6 | Raised Pavement Markers, Blue | 1 | 0 / Continuous | 2 |
| X | | dsgnsp | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | dsgnsp | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | dsgnsp | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | dsgnsp | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | dsgnsp | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | dsgnsp | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | dsgnsp | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | dsgnsp | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | dsgnsp | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | dsgnsp | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | dsgnsp | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | dsgnsp | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | dsgnsp | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | dsgnsp | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | dsgnsp | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | dsgnsp | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | dsgnsp | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | dsgnsp | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | dsgnsp | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | dsgnsp | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | dsgnsp | SignPanelC | Sign Panels - Civil | 1 | 0 / Continuous | 2 |
| X | | dsgnsp | SignPanelDetRed | Sign Panel Details in Red | 3 | 0 / Continuous | 2 |
| X | | dsgnsp | SignPanelG | Sign Panels - Guide | 2 | 0 / Continuous | 2 |
| X | | dsgnsp | SignPanell | Sign Panels - Special Interest | 9 | 0 / Continuous | 2 |
| X | | dsgnsp | SignPanelT | Sign Panels - Construction | 6 | 0 / Continuous | 2 |
| X | | dsgnsp | SignPanelW | Sign Panels - Warning | 4 | 0 / Continuous | 2 |
| | | dsgnsp | SignSingle_ep | Sign (Single Support) (Existing) | 3 | 2 / DGN2 | 0 |
| X | | dsgnsp | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | dsgnsp | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | dsgnsp | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | dsgnsp | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| | | dsgnsp | SignSupport_ep | Trusses and Cantilevers for Overhead Signs (Existing) | 0 | 3 / DGN3 | 1 |
| X | | dsgnsp | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | dsgnsp | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | dsgnsp | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | dsgnsp | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | dsgnsp | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | dsgnsp | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | B | dsgnsp | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | dsgnsp | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | dsgnsp | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | dsgnsp | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | dsgnsp | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | dsgnsp | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | dsgnsp | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | dsgnsp | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | dsgnsp | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | dsgnsp | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | dsgnsp | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | dsgnsp | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | dsgnsp | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | dsgnsp | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | dsgnsp | TextShitNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | dsgnsp | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | dsgnsp | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | dsgnsp | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | dsgnsp | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dsgnsp | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | A | dsgnsp | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | dsgnsp | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | dsgnsp | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | dsgnsp | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | dsgnsp | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | dsgnsp | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

DTMRD - Digital Terrain (Proposed)

| Critical | Platform | Rule | Level Name | Level Description | Bylevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|-------|--------------------|--|---------------|-------------------------|----------------|
| | B | dtmrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | dtmrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | dtmrd | BreakLine_dp | Break Lines | 0 | 0 / Continuous | 1 |
| | | dtmrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | dtmrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | dtmrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | dtmrd | ContoursMajor | Contour Lines Major | 3 | 0 / Continuous | 2 |
| | | dtmrd | ContoursMinor | Contour Lines Minor | 4 | 0 / Continuous | 2 |
| | | dtmrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| | | dtmrd | DTM | Digital Terrain Model, TIN Model Elements | 1 | 0 / Continuous | 2 |
| | | dtmrd | DTM_px | Digital Terrain Model on Cross Sections | 1 | 0 / Continuous | 0 |
| | | dtmrd | DTMSource | Digital Terrain Model, Source Feature | 0 | 0 / Continuous | 2 |
| | | dtmrd | DTMTriangles | Digital Terrain Model, Triangles | 1 | 0 / Continuous | 2 |
| | | dtmrd | DTMVertices | Digital Terrain Model, Triangle Vertices | 2 | 0 / Continuous | 1 |
| X | | dtmrd | FlowArrow | Digital Terrain Model, Triangle Flow Arrows | 10 | 0 / Continuous | 2 |
| | | dtmrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | dtmrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | dtmrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | dtmrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | dtmrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | dtmrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | dtmrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | dtmrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | dtmrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | dtmrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | dtmrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | dtmrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | dtmrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | dtmrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | dtmrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | dtmrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | dtmrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | dtmrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | dtmrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | dtmrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | dtmrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | dtmrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | dtmrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | dtmrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | A | dtmrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | dtmrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | Bylevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|-------|---------------------|--|---------------|-------------------------|----------------|
| | | dtmrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | dtmrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | dtmrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | dtmrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | dtmrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | dtmrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | dtmrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | dtmrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | dtmrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | dtmrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | dtmrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | dtmrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | dtmrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | dtmrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | dtmrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | | dtmrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | dtmrd | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |
| | | dtmrd | Voids_dp | Voids | 11 | 3 / DGN3 | 1 |
| A | | dtmrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dtmrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dtmrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | dtmrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | dtmrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

GDTMRD - Digital Terrain (Existing)

| Critical | Platform | Rule | Level Name | Level Description | Bylevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|------------------|--|---------------|-------------------------|----------------|
| | | gdtmrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | gdtmrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | gdtmrd | ContoursMajor_ep | Contour Lines Major (Existing) | 3 | 1 / DGN1 | 1 |
| | | gdtmrd | ContoursMinor_ep | Contour Lines Minor (Existing) | 4 | 1 / DGN1 | 1 |
| | | gdtmrd | DTM_ep | Digital Terrain Model, TIN Model Elements (Existing) | 2 | 0 / Continuous | 1 |
| | | gdtmrd | DTM_ex | Digital Terrain Model on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| | | gdtmrd | DTMSource_ep | Digital Terrain Model, Source Feature (Existing) | 0 | 1 / DGN1 | 1 |
| | | gdtmrd | DTMTriangles_ep | Digital Terrain Model Triangles (Existing) | 2 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | | gdtmrd | DTMVertices_ep | Digital Terrain Model, Triangle Vertices (Existing) | 0 | 0 / Continuous | 1 |
| X | | gdtmrd | FlowArrow_ep | Digital Terrain Model, Triangle Flow Arrows (Existing) | 10 | 0 / Continuous | 1 |
| | | gdtmrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | gdtmrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | gdtmrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | gdtmrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | gdtmrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | gdtmrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | gdtmrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | gdtmrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | gdtmrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | gdtmrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | gdtmrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | gdtmrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | gdtmrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | gdtmrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | gdtmrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | gdtmrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | gdtmrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | gdtmrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | gdtmrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |

GEOTECH - Geotechnical

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|--------------------|---|---------------|-------------------------|----------------|
| | B | geotech | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | geotech | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | geotech | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | geotech | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | geotech | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | geotech | Dimension | Dimension Lines (Structures) | 0 | 0 / Continuous | 0 |
| | | geotech | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | geotech | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | geotech | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | geotech | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | geotech | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | geotech | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | geotech | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | geotech | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | geotech | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|--------------------|---|---------------|-------------------------|----------------|
| | | geotech | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | geotech | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| | | geotech | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | geotech | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | geotech | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | geotech | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | geotech | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | geotech | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | geotech | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | geotech | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | geotech | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | geotech | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | geotech | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | geotech | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | geotech | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | geotech | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | geotech | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | geotech | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | geotech | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | geotech | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | geotech | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | geotech | Patterning | All; Any Patterning | 3 | 0 / Continuous | 1 |
| | | geotech | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | geotech | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | geotech | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | geotech | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| | | geotech | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | geotech | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | geotech | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | geotech | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | geotech | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | geotech | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | geotech | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | geotech | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | geotech | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | geotech | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | geotech | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | geotech | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | geotech | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | geotech | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | geotech | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | geotech | SoilBoring | Soil Boring Elements | 5 | 0 / Continuous | 1 |
| | | geotech | SoilBoringLoc_dp | Soil Boring Location Symbol | 4 | 0 / Continuous | 2 |
| | | geotech | SoilBoxes_dp | Soil Boxes | 4 | 0 / Continuous | 1 |
| X | | geotech | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|---------------------|--|---------------|-------------------------|----------------|
| | | geotech | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | B | geotech | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | geotech | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | geotech | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | geotech | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | geotech | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | geotech | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | geotech | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | geotech | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | geotech | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | geotech | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | geotech | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | geotech | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | geotech | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | geotech | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | geotech | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | geotech | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | geotech | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | geotech | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | geotech | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | geotech | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | geotech | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | geotech | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | geotech | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | geotech | TextStructures | Text - Structures | 0 | 0 / Continuous | 0 |
| | | geotech | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | geotech | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | geotech | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | geotech | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | geotech | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | geotech | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | geotech | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | A | geotech | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | geotech | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | geotech | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | geotech | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | geotech | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | geotech | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

GSWKSP - GuidSIGN

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | B | gswksp | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | gswksp | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | gswksp | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | gswksp | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | gswksp | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | gswksp | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | gswksp | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | gswksp | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | gswksp | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | gswksp | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | gswksp | GSBWFill | GuidSign Black and White Fill Level for GuidSign Cells | 0 | 0 / Continuous | 1 |
| | | gswksp | GSColorFill | GuidSign Color Fill Level for GuidSign Cells | 2 | 0 / Continuous | 1 |
| | | gswksp | GSDims | GuidSign Dimensions | 0 | 0 / Continuous | 1 |
| | | gswksp | GSOOutline | GuidSign Outline Level for GuidSign Cells | 0 | 0 / Continuous | 2 |
| | | gswksp | GSSign | GuidSign Panel and Tag | 7 | 0 / Continuous | 0 |
| | | gswksp | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | gswksp | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | gswksp | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | gswksp | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | gswksp | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | gswksp | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | gswksp | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | gswksp | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | gswksp | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | gswksp | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | gswksp | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | gswksp | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | gswksp | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | gswksp | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | gswksp | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | gswksp | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | gswksp | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | gswksp | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | gswksp | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | gswksp | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | gswksp | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | gswksp | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | gswksp | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | gswksp | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | gswksp | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | gswksp | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | gswksp | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | gswksp | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | gswksp | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | gswksp | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | gswksp | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | gswksp | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | gswksp | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | gswksp | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | gswksp | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | gswksp | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | gswksp | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | gswksp | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | gswksp | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | gswksp | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | gswksp | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | gswksp | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | gswksp | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | gswksp | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | gswksp | SignPanelC | Sign Panels - Civil | 1 | 0 / Continuous | 2 |
| X | | gswksp | SignPanelDetRed | Sign Panel Details in Red | 3 | 0 / Continuous | 2 |
| X | | gswksp | SignPanelG | Sign Panels - Guide | 2 | 0 / Continuous | 2 |
| X | | gswksp | SignPanelI | Sign Panels - Special Interest | 9 | 0 / Continuous | 2 |
| X | | gswksp | SignPanelT | Sign Panels - Construction | 6 | 0 / Continuous | 2 |
| X | | gswksp | SignPanelW | Sign Panels - Warning | 4 | 0 / Continuous | 2 |
| X | | gswksp | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | gswksp | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | gswksp | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | gswksp | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| X | | gswksp | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | gswksp | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | gswksp | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | gswksp | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | B | gswksp | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | gswksp | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | gswksp | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | gswksp | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | gswksp | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | gswksp | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | gswksp | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | gswksp | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | gswksp | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | gswksp | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | gswksp | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | gswksp | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | gswksp | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | gswksp | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | gswksp | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | gswksp | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | gswksp | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | gswksp | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | gswksp | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | gswksp | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | gswksp | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | gswksp | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | gswksp | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | gswksp | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | gswksp | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | gswksp | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | gswksp | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | gswksp | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | A | gswksp | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | gswksp | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | gswksp | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | gswksp | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | gswksp | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | gswksp | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

IRRGLD - Irrigation

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | B | irrgld | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | irrgld | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | irrgld | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | irrgld | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | irrgld | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | irrgld | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| | | irrgld | DripSystem | Irrigation Drip System | 1 | 0 / Continuous | 2 |
| X | | irrgld | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | irrgld | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | irrgld | IrrigationHeads | Irrigation Heads (All Types) | 5 | 0 / Continuous | 2 |
| X | | irrgld | IrrigationLateral | Irrigation Lateral Line | 7 | 0 / Continuous | 1 |
| X | | irrgld | IrrigationLateralNP | Irrigation Lateral (Reclaimed) | 12 | 0 / Continuous | 1 |
| X | | irrgld | IrrigationMain | Irrigation Main Line | 1 | 3 / DGN3 | 3 |
| X | | irrgld | IrrigationMainNP | Irrigation Main Line (Reclaimed) | 8 | 3 / DGN3 | 3 |
| | | irrgld | IrrigationMisc | Irrigation Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | | irrgld | IrrigationMiscNP | Irrigation Equipment (Reclaimed) | 8 | 0 / Continuous | 1 |
| X | | irrgld | IrrigationSleeve | Irrigation Sleeve | 6 | 5 / DGN5 | 1 |
| | | irrgld | IrrigationSprayPat | Irrigation Head Spray Pattern | 1 | 1 / DGN1 | 1 |
| | | irrgld | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | irrgld | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | irrgld | MechanicalAccs | Mechanical Irrigation Items (Valves, Meters, Pipe, Clocks, Back Flow) | 3 | 0 / Continuous | 1 |
| | | irrgld | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | irrgld | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | irrgld | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | irrgld | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | irrgld | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | irrgld | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | irrgld | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | irrgld | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | irrgld | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | irrgld | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | irrgld | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | irrgld | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | irrgld | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | irrgld | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | irrgld | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | irrgld | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | irrgld | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | irrgld | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | irrgld | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| A | | irrgld | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | irrgld | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | irrgld | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | irrgld | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | irrgld | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | irrgld | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | irrgld | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | irrgld | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | irrgld | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | irrgld | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | irrgld | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | irrgld | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | irrgld | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | irrgld | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | irrgld | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | irrgld | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | irrgld | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | irrgld | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | irrgld | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | irrgld | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | irrgld | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | irrgld | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | irrgld | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | irrgld | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | irrgld | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | | irrgld | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| A | | irrgld | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | irrgld | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | irrgld | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | irrgld | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | irrgld | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

ITSSP - Intelligent Transportation System

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|--------------------|--|---------------|---------------------------|----------------|
| | B | itssp | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | itssp | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | itssp | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | itssp | CCTV | CLOSED CIRCUIT TV Camera and Accessories | 4 | 0 / Continuous | 1 |
| X | | itssp | CCTV_ep | CLOSED CIRCUIT TV Camera and Accessories (Existing) | 4 | 0 / Continuous | 0 |
| X | | itssp | CCTVAer | CLOSED CIRCUIT TV Cable - Aerial | 6 | UT-OverheadCable-Proposed | 1 |
| X | | itssp | CCTVBur | CLOSED CIRCUIT TV Cable - Buried | 5 | UT-BuriedCable-Proposed | 1 |
| | | itssp | CCTVMisc | CLOSED CIRCUIT TV Service Box and Miscellaneous | 6 | 0 / Continuous | 0 |
| | | itssp | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | itssp | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | itssp | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | itssp | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | itssp | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | itssp | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | itssp | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | itssp | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | itssp | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | itssp | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | itssp | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | itssp | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | itssp | Controller | Controller and Accessories | 0 | 0 / Continuous | 2 |
| X | | itssp | Controller_ep | Controller and Accessories (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | ControllerAccess | Controller Accessories | 0 | 0 / Continuous | 1 |
| X | | itssp | ControllerB | Controller - Base Mounted | 0 | 0 / Continuous | 2 |
| X | | itssp | ControllerB_ep | Controller - Base Mounted (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | ControllerP | Controller Pole Mount | 0 | 0 / Continuous | 2 |
| X | | itssp | ControllerP_ep | Controller Pole Mount (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | CrossWalk1 | Emphasis Crosswalk 6ft High | 0 | PM-Stripe-6' Crosswalk | 4 |
| X | | itssp | CrossWalk2 | Emphasis Crosswalk 10ft High | 0 | PM-Stripe-10' Crosswalk | 4 |
| | | itssp | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | itssp | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | itssp | Delineator | Delineators (All Types) | 4 | 0 / Continuous | 1 |
| X | | itssp | Detector | Detector Cabinet, Button and Miscellaneous Assemblies | 3 | 0 / Continuous | 2 |
| X | | itssp | Detector_ep | Detector Cabinet, Button and Miscellaneous Assemblies (Existing) | 3 | 2 / DGN2 | 1 |
| X | | itssp | DetectorVeh | Detector Vehicle Assemblies (All Types) | 3 | 0 / Continuous | 1 |
| X | | itssp | DetectorVeh_ep | Detector Vehicle Assemblies (All Types) (Existing) | 3 | 2 / DGN2 | 0 |
| | | itssp | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | itssp | DirArrowsPavt | Pavement Marking Directional Arrows | 0 | 0 / Continuous | 1 |
| X | | itssp | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | itssp | ElecBur | Electrical (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| X | | itssp | ElecServ | Electrical Service (Miscellaneous) | 3 | 0 / Continuous | 2 |
| X | | itssp | ElecServWire | Electrical Service Wire | 3 | 0 / Continuous | 2 |
| X | | itssp | FO_01Blue | Fiber Optic Buffer Tube, Blue | 25 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|--------------------|--|---------------|---------------------------|----------------|
| X | | itssp | FO_01Blue_ep | Fiber Optic Buffer Tube, Blue (Existing) | 25 | 2 / DGN2 | 1 |
| X | | itssp | FO_02Orange | Fiber Optic Buffer Tube, Orange | 30 | 0 / Continuous | 2 |
| X | | itssp | FO_02Orange_ep | Fiber Optic Buffer Tube, Orange (Existing) | 30 | 2 / DGN2 | 1 |
| X | | itssp | FO_03Green | Fiber Optic Buffer Tube, Green | 154 | 0 / Continuous | 2 |
| X | | itssp | FO_03Green_ep | Fiber Optic Buffer Tube, Green (Existing) | 154 | 2 / DGN2 | 1 |
| X | | itssp | FO_04Brown | Fiber Optic Buffer Tube, Brown | 150 | 0 / Continuous | 2 |
| X | | itssp | FO_04Brown_ep | Fiber Optic Buffer Tube, Brown (Existing) | 150 | 2 / DGN2 | 1 |
| X | | itssp | FO_05Slate | Fiber Optic Buffer Tube, Slate | 152 | 0 / Continuous | 2 |
| X | | itssp | FO_05Slate_ep | Fiber Optic Buffer Tube, Slate (Existing) | 152 | 2 / DGN2 | 1 |
| X | | itssp | FO_06White | Fiber Optic Buffer Tube, White | 152 | 0 / Continuous | 2 |
| X | | itssp | FO_06White_ep | Fiber Optic Buffer Tube, White (Existing) | 152 | 2 / DGN2 | 1 |
| X | | itssp | FO_07Red | Fiber Optic Buffer Tube, Red | 27 | 0 / Continuous | 2 |
| X | | itssp | FO_07Red_ep | Fiber Optic Buffer Tube, Red (Existing) | 27 | 2 / DGN2 | 1 |
| X | | itssp | FO_08Black | Fiber Optic Buffer Tube, Black | 0 | 0 / Continuous | 2 |
| X | | itssp | FO_08Black_ep | Fiber Optic Buffer Tube, Black (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | FO_09Yellow | Fiber Optic Buffer Tube, Yellow | 28 | 0 / Continuous | 2 |
| X | | itssp | FO_09Yellow_ep | Fiber Optic Buffer Tube, Yellow (Existing) | 28 | 2 / DGN2 | 1 |
| X | | itssp | FO_10Purple | Fiber Optic Buffer Tube, Purple | 157 | 0 / Continuous | 2 |
| X | | itssp | FO_10Purple_ep | Fiber Optic Buffer Tube, Purple (Existing) | 157 | 2 / DGN2 | 1 |
| X | | itssp | FO_11Rose | Fiber Optic Buffer Tube, Rose | 12 | 0 / Continuous | 2 |
| X | | itssp | FO_11Rose_ep | Fiber Optic Buffer Tube, Rose (Existing) | 12 | 2 / DGN2 | 1 |
| X | | itssp | FO_12Aqua | Fiber Optic Buffer Tube, Aqua | 55 | 0 / Continuous | 2 |
| X | | itssp | FO_12Aqua_ep | Fiber Optic Buffer Tube, Aqua (Existing) | 55 | 2 / DGN2 | 1 |
| X | | itssp | FOCBur | Fiber Optics Cable (Buried) | 6 | UT-BuriedFOC-Proposed | 2 |
| X | | itssp | FOSheath | Fiber Optic Sheath | 0 | 0 / Continuous | 2 |
| X | | itssp | FOSpliceCap | Fiber Optic Splice Cap | 0 | 0 / Continuous | 2 |
| X | | itssp | FOStripe | Fiber Optic Buffer Tube, Stripe | 0 | 0 / Continuous | 2 |
| | | itssp | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | itssp | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | itssp | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | itssp | GSBWFill | GuidSign Black and White Fill Level for GuidSign Cells | 0 | 0 / Continuous | 1 |
| | | itssp | GSColorFill | GuidSign Color Fill Level for GuidSign Cells | 2 | 0 / Continuous | 1 |
| | | itssp | GSDims | GuidSign Dimensions | 0 | 0 / Continuous | 1 |
| | | itssp | GSOOutline | GuidSign Outline Level for GuidSign Cells | 0 | 0 / Continuous | 2 |
| | | itssp | GSSign | GuidSign Panel and Tag | 7 | 0 / Continuous | 0 |
| X | | itssp | GuyWire | Guy Wire | 3 | 0 / Continuous | 2 |
| X | | itssp | HAR | Highway Advisory Radio Unit | 3 | 0 / Continuous | 2 |
| X | | itssp | HAR_ep | Highway Advisory Radio Unit (Existing) | 3 | 2 / DGN2 | 1 |
| X | | itssp | HubEthernet | Ethernet Hub | 1 | 0 / Continuous | 1 |
| X | | itssp | HubWireless | Wireless Receiver and Transmitter | 3 | 0 / Continuous | 1 |
| | | itssp | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | itssp | Insulator | Insulator, Fiberglass | 3 | 0 / Continuous | 4 |
| X | | itssp | InterconCable | Cable Interconnect | 1 | SG-InterconCable-Proposed | 1 |
| X | | itssp | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| | | itssp | ITSDetail00 | ITS Details | 0 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|-------------------|--|---------------|-------------------------|----------------|
| | | itssp | ITSDetail01 | ITS Details | 0 | 0 / Continuous | 1 |
| | | itssp | ITSDetail02 | ITS Details | 0 | 0 / Continuous | 2 |
| | | itssp | ITSDetail10 | ITS Details | 1 | 0 / Continuous | 0 |
| | | itssp | ITSDetail11 | ITS Details | 1 | 0 / Continuous | 1 |
| | | itssp | ITSDetail12 | ITS Details | 1 | 0 / Continuous | 2 |
| | | itssp | ITSDetail20 | ITS Details | 2 | 0 / Continuous | 0 |
| | | itssp | ITSDetail21 | ITS Details | 2 | 0 / Continuous | 1 |
| | | itssp | ITSDetail22 | ITS Details | 2 | 0 / Continuous | 2 |
| | | itssp | ITSDetail30 | ITS Details | 3 | 0 / Continuous | 0 |
| | | itssp | ITSDetail31 | ITS Details | 3 | 0 / Continuous | 1 |
| | | itssp | ITSDetail32 | ITS Details | 3 | 0 / Continuous | 2 |
| X | | itssp | ITSEquip00 | ITS Equipment Racks | 0 | 0 / Continuous | 0 |
| X | | itssp | ITSEquip01 | ITS Equipment Racks | 0 | 0 / Continuous | 1 |
| X | | itssp | ITSEquip02 | ITS Equipment Racks | 0 | 0 / Continuous | 2 |
| X | | itssp | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | itssp | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| X | | itssp | Kiosk | Kiosk | 2 | 0 / Continuous | 1 |
| | | itssp | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| | | itssp | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | itssp | LightingMisc | Lighting Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | itssp | LightingSP | Lighting Service Points | 0 | 0 / Continuous | 1 |
| X | | itssp | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | itssp | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | itssp | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | itssp | LoopLI | Loop Lead-In | 3 | 0 / Continuous | 1 |
| X | | itssp | LoopLI_ep | Loop Lead-In (Existing) | 3 | 2 / DGN2 | 0 |
| X | | itssp | Loops | Loop Assembly (All Types) | 2 | 0 / Continuous | 2 |
| X | | itssp | Loops_ep | Loop Assembly (All Types) (Existing) | 2 | 2 / DGN2 | 2 |
| X | | itssp | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| X | | itssp | MessengerWire | Messenger Wire | 3 | 0 / Continuous | 1 |
| X | | itssp | MetalButtons | Metal Buttons | 0 | 0 / Continuous | 2 |
| | | itssp | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | itssp | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | itssp | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | itssp | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | itssp | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | itssp | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | itssp | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | itssp | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | itssp | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | itssp | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | itssp | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | itssp | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | itssp | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | itssp | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | itssp | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | itssp | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|--------------------|---|---------------|---|----------------|
| X | | itssp | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | itssp | Pavemk_ep | Pavement Markings (All) (Existing) | 0 | 2 / DGN2 | 0 |
| X | | itssp | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |
| X | | itssp | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| | | itssp | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | itssp | PedDetector | Pedestrian Detector | 0 | 0 / Continuous | 2 |
| X | | itssp | Pedestal | Pedestal | 1 | 0 / Continuous | 1 |
| X | | itssp | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | itssp | PedHead | Pedestrian Head (All Types) | 1 | 0 / Continuous | 1 |
| X | | itssp | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | itssp | PMCeramic | Pavement Markers Ceramic | 0 | 0 / Continuous | 1 |
| | | itssp | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | itssp | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | itssp | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | itssp | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | itssp | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | itssp | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | itssp | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | itssp | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | itssp | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | itssp | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | itssp | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | itssp | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | itssp | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | itssp | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | itssp | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | itssp | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10' 20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | itssp | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2' 2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | itssp | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | itssp | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | itssp | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |
| X | | itssp | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | itssp | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | itssp | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | itssp | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | itssp | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |
| X | | itssp | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | itssp | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |
| X | | itssp | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |
| X | | itssp | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | itssp | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | itssp | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |
| X | | itssp | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|--------------------|--|---------------|--|----------------|
| X | | itssp | PMStripe6Bl | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | itssp | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | itssp | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | itssp | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | itssp | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | itssp | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | itssp | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | itssp | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | itssp | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | itssp | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | itssp | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | itssp | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | itssp | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | itssp | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | PM-Stripe-SKIP 3-9 | 2 |
| X | | itssp | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | itssp | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | itssp | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | itssp | PMStripeRumbleWL | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | itssp | PMStripeRumbleWR | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | itssp | PMStripeRumbleYL | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | itssp | PMStripeRumbleYR | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | itssp | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | itssp | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | itssp | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | itssp | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| | | itssp | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | itssp | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | itssp | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | PoleElec | Electrical Pole w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | itssp | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | itssp | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | itssp | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | itssp | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | itssp | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | itssp | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | itssp | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | itssp | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | itssp | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | PoleUtil | Utility Pole | 0 | 0 / Continuous | 2 |
| X | | itssp | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|--------------------|--|---------------|-------------------------|----------------|
| X | | itssp | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | itssp | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | itssp | ReflPaintWht | Reflective Paint - Island Nose (White) | 0 | 0 / Continuous | 3 |
| X | | itssp | ReflPaintYel | Reflective Paint - Island Nose (Yellow) | 4 | 0 / Continuous | 3 |
| X | | itssp | RPM_ep | Reflective Pavement Markers (Existing) | 2 | 2 / DGN2 | 1 |
| X | | itssp | RPM1 | Raised Pavement Markers, White | 0 | 0 / Continuous | 2 |
| X | | itssp | RPM2 | Raised Pavement Markers, White - Red | 3 | 0 / Continuous | 2 |
| X | | itssp | RPM3 | Raised Pavement Markers, Yellow | 4 | 0 / Continuous | 2 |
| X | | itssp | RPM4 | Raised Pavement Markers, Yellow - Yellow | 9 | 0 / Continuous | 2 |
| X | | itssp | RPM5 | Raised Pavement Markers, Yellow - Red | 6 | 0 / Continuous | 2 |
| X | | itssp | RPM6 | Raised Pavement Markers, Blue | 1 | 0 / Continuous | 2 |
| X | | itssp | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | itssp | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | itssp | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | itssp | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | itssp | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | itssp | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | itssp | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | itssp | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | itssp | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | itssp | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | itssp | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | itssp | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | itssp | SignalCable | Signal Cable | 3 | SG-Cable / Continuous | 1 |
| X | | itssp | SignalCableAccs | Signal Cable Accessories | 0 | 0 / Continuous | 2 |
| X | | itssp | SignalDetail | Signal Details | 0 | 0 / Continuous | 1 |
| | | itssp | SignalHead | Signal Head Section Details | 2 | 0 / Continuous | 1 |
| X | | itssp | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| | | itssp | SignalMisc | Signal Equipment (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | itssp | SignalSOP | S.O.P. Box and Movements | 0 | 0 / Continuous | 2 |
| X | | itssp | SignalSym | Signal Head Symbols | 0 | 0 / Continuous | 1 |
| X | | itssp | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |
| X | | itssp | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | itssp | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | itssp | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | itssp | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | itssp | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | itssp | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | itssp | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | itssp | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | itssp | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | itssp | SignPanelC | Sign Panels - Civil | 1 | 0 / Continuous | 2 |
| X | | itssp | SignPanelDetRed | Sign Panel Details in Red | 3 | 0 / Continuous | 2 |
| X | | itssp | SignPanelG | Sign Panels - Guide | 2 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|---------------------|--|---------------|-------------------------|----------------|
| X | | itssp | SignPanell | Sign Panels - Special Interest | 9 | 0 / Continuous | 2 |
| X | | itssp | SignPanelT | Sign Panels - Construction | 6 | 0 / Continuous | 2 |
| X | | itssp | SignPanelW | Sign Panels - Warning | 4 | 0 / Continuous | 2 |
| X | | itssp | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | itssp | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | itssp | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | itssp | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| X | | itssp | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | itssp | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | itssp | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | itssp | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| X | | itssp | SpliceBox | Fiber Optic Splice Box | 3 | 0 / Continuous | 1 |
| X | | itssp | SpliceBox_ep | Fiber Optic Splice Box (Existing) | 3 | 2 / DGN2 | 0 |
| | | itssp | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | itssp | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| | B | itssp | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | itssp | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | itssp | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | itssp | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | itssp | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | itssp | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | itssp | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | itssp | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | itssp | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | itssp | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | itssp | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | itssp | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | itssp | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | itssp | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | itssp | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | itssp | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | itssp | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | itssp | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | itssp | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | itssp | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | itssp | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | itssp | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | itssp | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | itssp | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | itssp | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | itssp | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | itssp | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | itssp | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | itssp | TMC | Traffic Management Center | 1 | 0 / Continuous | 1 |
| X | | itssp | TollReader | Electronic Toll Reader | 3 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|-----------------|--|---------------|-------------------------|----------------|
| X | | itssp | TollReader_ep | Electronic Toll Reader (Existing) | 3 | 2 / DGN2 | 0 |
| | A | itssp | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | itssp | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | itssp | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | itssp | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | itssp | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | itssp | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

KEYSHT - Key Sheets

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | B | keysht | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | keysht | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | keysht | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | keysht | BoxCulvert | Box Culvert | 10 | 0 / Continuous | 2 |
| | | keysht | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | keysht | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | keysht | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | keysht | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | keysht | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | keysht | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | keysht | ConstLimits | Construction Limits | 3 | RW-LimitsOfConst | 2 |
| | | keysht | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | keysht | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | keysht | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | keysht | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | keysht | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | keysht | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | keysht | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | keysht | Endwall | Endwall (All Types) | 10 | 0 / Continuous | 2 |
| X | | keysht | FES | Flared End Sections | 10 | 0 / Continuous | 2 |
| | | keysht | FLMap1 | Florida Map items - Weight of 1 | 1 | 0 / Continuous | 1 |
| | | keysht | FLMap2 | Florida Map items - Weight of 2 | 3 | 0 / Continuous | 2 |
| | | keysht | FLMap3 | Florida Map items - Weight of 3 | 2 | 0 / Continuous | 3 |
| | | keysht | FLMap4 | Florida Map items - Color 11 (Interstate) | 11 | 0 / Continuous | 3 |
| | | keysht | FLMap5 | Florida Map items - Weight 5, Style 7 (State Line) | 3 | 7 / DGN7 | 5 |
| X | | keysht | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| | | keysht | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | keysht | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | keysht | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | keysht | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 2 |
| | | keysht | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | | keysht | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 1 |
| | | keysht | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 2 |
| | | keysht | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | keysht | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 1 |
| | | keysht | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 2 |
| | | keysht | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| | | keysht | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | keysht | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | keysht | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | keysht | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | keysht | InletBottomJ | Inlet Bottom Type J | 10 | 0 / Continuous | 1 |
| X | | keysht | InletBottomP | Inlet Bottom Type P | 10 | 0 / Continuous | 1 |
| X | | keysht | InletClosedFlume | Closed Flume Inlet | 10 | 0 / Continuous | 2 |
| X | | keysht | InletCurb | Curb Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | keysht | InletDBI | Ditch Bottom Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | keysht | InletGutter | Gutter Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | keysht | InletMedian | Median Barrier Inlet | 10 | 0 / Continuous | 2 |
| | | keysht | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | keysht | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| | | Keysht | LaneLine | Lane Lines - Delineates Travel Lanes (Non-plotting) | 4 | 3 / DGN3 | 2 |
| | | keysht | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | keysht | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | keysht | Manhole | Manhole (Drainage and Unknown) | 10 | 0 / Continuous | 2 |
| | | keysht | MapOutline_dp | Outline for Key Maps | 0 | 0 / Continuous | 5 |
| | | keysht | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| X | | keysht | MES | Mitered End Section | 10 | 0 / Continuous | 2 |
| | | keysht | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | keysht | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | keysht | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | keysht | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | keysht | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | keysht | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | keysht | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | keysht | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | keysht | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | keysht | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | keysht | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | keysht | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | keysht | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | keysht | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, Critical Cross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | keysht | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, Critical Cross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| | | keysht | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | keysht | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | keysht | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | keysht | RailroadDetails | Railroad Crossing Details | 3 | 0 / Continuous | 2 |
| | | keysht | RailroadXing | Railroad Crossing Elements | 11 | 0 / Continuous | 0 |
| | | keysht | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | keysht | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| | | keysht | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | keysht | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | keysht | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | keysht | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | keysht | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | keysht | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | keysht | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | keysht | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | keysht | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | keysht | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | keysht | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | keysht | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | keysht | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | keysht | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| | B | keysht | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | keysht | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | keysht | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | keysht | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | keysht | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | keysht | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | keysht | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | keysht | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | keysht | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | keysht | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | keysht | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | keysht | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | keysht | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | keysht | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | keysht | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | keysht | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | keysht | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | keysht | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | keysht | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | keysht | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | keysht | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | keysht | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | keysht | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | keysht | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | keysht | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | keysht | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | keysht | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-----------------|--|---------------|-------------------------|----------------|
| | | keysht | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | A | keysht | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | keysht | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | keysht | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | keysht | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | keysht | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | keysht | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

MSARSP - Mast Arm Details

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|---------------------------|----------------|
| | B | msarsp | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | msarsp | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | msarsp | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | msarsp | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | msarsp | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | msarsp | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | msarsp | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | msarsp | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | msarsp | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | msarsp | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | msarsp | Controller | Controller and Accessories | 0 | 0 / Continuous | 2 |
| X | | msarsp | Controller_ep | Controller and Accessories (Existing) | 0 | 2 / DGN2 | 1 |
| X | | msarsp | ControllerAccess | Controller Accessories | 0 | 0 / Continuous | 1 |
| X | | msarsp | ControllerB | Controller - Base Mounted | 0 | 0 / Continuous | 2 |
| X | | msarsp | ControllerB_ep | Controller - Base Mounted (Existing) | 0 | 2 / DGN2 | 1 |
| X | | msarsp | ControllerP | Controller Pole Mount | 0 | 0 / Continuous | 2 |
| X | | msarsp | ControllerP_ep | Controller Pole Mount (Existing) | 0 | 2 / DGN2 | 1 |
| X | | msarsp | Detector | Detector Cabinet, Button and Miscellaneous Assemblies | 3 | 0 / Continuous | 2 |
| X | | msarsp | DetectorVeh | Detector Vehicle Assemblies (All Types) | 3 | 0 / Continuous | 1 |
| | | msarsp | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | msarsp | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | msarsp | ElecBur | Electrical (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| X | | msarsp | ElecServ | Electrical Service (Miscellaneous) | 3 | 0 / Continuous | 2 |
| X | | msarsp | ElecServWire | Electrical Service Wire | 3 | 0 / Continuous | 2 |
| X | | msarsp | FOCBur | Fiber Optics Cable (Buried) | 6 | UT-BuriedFOC-Proposed | 2 |
| | | msarsp | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | msarsp | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | msarsp | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | mrarsp | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | msarsp | Insulator | Insulator, Fiberglass | 3 | 0 / Continuous | 4 |
| X | | msarsp | InterconCable | Cable Interconnect | 1 | SG-InterconCable-Proposed | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|---------------------------|----------------|
| X | | msarsp | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| X | | msarsp | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | msarsp | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| | | msarsp | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| X | | msarsp | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | msarsp | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | msarsp | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | msarsp | LoopLI | Loop Lead-In | 3 | 0 / Continuous | 1 |
| X | | msarsp | LoopLI_ep | Loop Lead-In (Existing) | 3 | 2 / DGN2 | 0 |
| X | | msarsp | Loops | Loop Assembly (All Types) | 2 | 0 / Continuous | 2 |
| X | | msarsp | Loops_ep | Loop Assembly (All Types) (Existing) | 2 | 2 / DGN2 | 2 |
| X | | msarsp | MessengerWire | Messenger Wire | 3 | 0 / Continuous | 1 |
| | | msarsp | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | msarsp | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | msarsp | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | msarsp | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | msarsp | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | msarsp | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | msarsp | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | msarsp | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | msarsp | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | msarsp | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | msarsp | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | msarsp | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | msarsp | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | msarsp | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | msarsp | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | msarsp | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | msarsp | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | msarsp | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | msarsp | PedDetector | Pedestrian Detector | 0 | 0 / Continuous | 2 |
| X | | msarsp | Pedestal | Pedestal | 1 | 0 / Continuous | 1 |
| X | | msarsp | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | msarsp | PedHead | Pedestrian Head (All Types) | 1 | 0 / Continuous | 1 |
| X | | msarsp | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 2 / DGN2 | 1 |
| X | | msarsp | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | msarsp | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | msarsp | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | msarsp | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | msarsp | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | msarsp | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | msarsp | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | msarsp | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | msarsp | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | msarsp | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| X | | msarsp | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | msarsp | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | msarsp | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | msarsp | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | msarsp | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | msarsp | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | msarsp | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | msarsp | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | msarsp | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | msarsp | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | msarsp | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | msarsp | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | msarsp | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | msarsp | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | msarsp | SignalCable | Signal Cable | 3 | SG-Cable / Continuous | 1 |
| X | | msarsp | SignalCableAccs | Signal Cable Accessories | 0 | 0 / Continuous | 2 |
| X | | msarsp | SignalDetail | Signal Details | 0 | 0 / Continuous | 1 |
| | | msarsp | SignalHead | Signal Head Section Details | 2 | 0 / Continuous | 1 |
| X | | msarsp | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| | | msarsp | SignalMisc | Signal Equipment (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | msarsp | SignalSOP | S.O.P. Box and Movements | 0 | 0 / Continuous | 2 |
| X | | msarsp | SignalSym | Signal Head Symbols | 0 | 0 / Continuous | 1 |
| X | | msarsp | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |
| X | | msarsp | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | msarsp | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | msarsp | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | msarsp | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | msarsp | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | msarsp | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | msarsp | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | msarsp | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | msarsp | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | msarsp | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | msarsp | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | msarsp | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | msarsp | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| X | | msarsp | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | msarsp | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | msarsp | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | msarsp | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | B | msarsp | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | msarsp | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | msarsp | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | msarsp | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | msarsp | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | msarsp | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | msarsp | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | msarsp | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | msarsp | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | msarsp | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | msarsp | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | msarsp | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | msarsp | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | msarsp | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | msarsp | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | msarsp | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | msarsp | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | msarsp | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | msarsp | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | msarsp | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | msarsp | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | msarsp | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | msarsp | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | msarsp | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | msarsp | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | msarsp | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | msarsp | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | msarsp | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | A | msarsp | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | msarsp | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | msarsp | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | msarsp | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | msarsp | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | msarsp | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

OPEN - All Levels and Symbology Accepted

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|------|------------|---|---------------|-------------------------|----------------|
| | | open | | << All Levels and Symbology Accepted >> | | | |

PDXSRD - Pond Cross Section

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | B | pdxsrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | pdxsrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | pdxsrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | pdxsrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | Berm_px | Berm (Top, Front, or Back) on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | Bridge_px | Bridge Component on Cross Sections - Component Property | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | pdxsrd | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | pdxsrd | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | pdxsrd | CATVBur_ex | Cable TV and Miscellaneous on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | pdxsrd | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | pdxsrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | pdxsrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | pdxsrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | pdxsrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | pdxsrd | Concrete_px | Concrete Boundary Lines on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | Conduit_ex | Conduit and Encasements on Cross Sections (Existing) | 3 | 2 / DGN2 | 1 |
| X | | pdxsrd | Conduit_px | Conduit and Encasements on Cross Sections | 3 | 0 / Continuous | 1 |
| | | pdxsrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | pdxsrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | pdxsrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | pdxsrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | pdxsrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | pdxsrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | pdxsrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | pdxsrd | Ditch_px | Ditch Top on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | pdxsrd | DitchBot_px | Ditch Bottom on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | DitchPavt_px | Ditch Pavement on Cross Sections | 3 | 0 / Continuous | 3 |
| | | pdxsrd | DrainAlert_px | Alert Symbology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 2 |
| | | pdxsrd | DrainMisc_ex | Drainage Elements on Cross Sections (All) (Miscellaneous) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | pdxsrd | DrainStruct_ex | Drainage Structures on Cross Sections (All) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | pdxsrd | DrainStruct_px | Drainage Structures and Elements for on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | Driveway_ex | Driveway Lines on Cross Sections (Existing) | 7 | 2 / DGN2 | 2 |
| X | | pdxsrd | Driveway_px | Driveway Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | pdxsrd | DrivewayBase_px | Driveway SubgradeSubgrade on Cross Sections | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | | pdxsrd | Earthwork1_px | Earthwork (Color 0) on Cross Sections | 0 | 0 / Continuous | 1 |
| | | pdxsrd | Earthwork2_px | Earthwork (Color 1) on Cross Sections | 1 | 0 / Continuous | 1 |
| | | pdxsrd | Earthwork3_px | Earthwork (Color 2) on Cross Sections | 2 | 0 / Continuous | 1 |
| | | pdxsrd | Earthwork4_px | Earthwork (Color 3) on Cross Sections | 3 | 0 / Continuous | 1 |
| | | pdxsrd | Earthwork5_px | Earthwork (Color 4) on Cross Sections | 4 | 0 / Continuous | 1 |
| X | | pdxsrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN2 | 0 |
| X | | pdxsrd | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 |
| X | | pdxsrd | EasePerpLine_px | Easement Lines Perpetual on Cross Sections | 4 | RW-PerpetualEasement | 12 |
| X | | pdxsrd | EaseTempLine_px | Easement Lines Temporary on Cross Sections | 6 | RW-TemporaryEasement | 0 |
| X | | pdxsrd | ElecBur_ex | Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | pdxsrd | ElecBur_px | Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | pdxsrd | Endwall_px | Endwall on Cross Sections | 10 | 0 / Continuous | 2 |
| | | pdxsrd | ExcavationLimits_dp | Excavation Limits on Cross Sections | 0 | 0 / Continuous | 1 |
| | | pdxsrd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | pdxsrd | Fence_px | Fence Lines on Cross Sections | 6 | RD-Fence | 2 |
| X | | pdxsrd | FES_px | Flared End Sections on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | FOCBur_ex | Fiber Optics Cable on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | pdxsrd | FOCBur_px | Fiber Optics Cable on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | pdxsrd | FOEElecBur_ex | Fiber Optics Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | pdxsrd | FOEElecBur_px | Fiber Optics Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | pdxsrd | FOTBur_ex | Fiber Optics Telephone on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | pdxsrd | FOTBur_px | Fiber Optics Telephone on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | pdxsrd | Gas_ex | Gas Pipe and Fittings on Cross Sections (Miscellaneous) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | pdxsrd | Gas_px | Gas Pipe and Fittings on Cross Sections (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | pdxsrd | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | pdxsrd | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | pdxsrd | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | pdxsrd | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections - Shell | 3 | 1 / DGN1 | 0 |
| | | pdxsrd | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | pdxsrd | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | 1 |
| | | pdxsrd | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections - Limestone | 2 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | 0 |
| | | pdxsrd | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | pdxsrd | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | 1 |
| | | pdxsrd | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| B | | pdxsrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| B | | pdxsrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| B | | pdxsrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN5 | 2 |
| B | | pdxsrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---------------------------|----------------|
| | B | pdxsrd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| | B | pdxsrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| | B | pdxsrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| | B | pdxsrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | pdxsrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | pdxsrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | pdxsrd | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | pdxsrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| X | | pdxsrd | Guardrail_ex | Guardrail Lines on Cross Sections (Existing) | 0 | 2 / DGN2 | 2 |
| X | | pdxsrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | pdxsrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| | | pdxsrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | pdxsrd | Inlet_px | Inlets on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | InletBottom_px | Inlet Bottom on Cross Sections (All Types) | 10 | 0 / Continuous | 2 |
| | | pdxsrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | LARWLine_ex | Limited Access Right of Way Lines on Cross Sections (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | pdxsrd | LARWLine_px | Limited Access Right of Way Lines on Cross Sections | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | pdxsrd | LateralLimits_px | Lateral Limits on Cross Sections | 6 | 0 / Continuous | 2 |
| | | pdxsrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | pdxsrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | pdxsrd | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| X | | pdxsrd | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | MES_px | Mitered End Section on Cross Sections | 10 | 0 / Continuous | 2 |
| | | pdxsrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | pdxsrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | pdxsrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | pdxsrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | pdxsrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | pdxsrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | pdxsrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | pdxsrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | pdxsrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | pdxsrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | pdxsrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | pdxsrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | pdxsrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | pdxsrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | pdxsrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| X | | pdxsrd | PavedMedianBase_px | Median Subgrade on Cross Sections (Paved) | 3 | 0 / Continuous | 2 |
| | | pdxsrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | pdxsrd | PavtAsphalt_px | Asphalt Pavement on Cross Sections and Components in Models | 1 | 0 / Continuous | 2 |
| X | | pdxsrd | PavtBase_ex | Base Material on Cross Sections (All Types) (Existing) | 3 | 3 / DGN3 | 1 |
| X | | pdxsrd | PavtBase_px | Base Material on Cross Sections (All Types) | 3 | 0 / Continuous | 2 |
| X | | pdxsrd | PavtConcrete_px | Concrete Pavement on Cross Sections and Components in Models | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | PavtMilling_px | Asphalt Milling Lines on Cross Sections | 7 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|-------|----------------------|---|---------------|-------------------------|----------------|
| X | | pdxsr | PavtMisc_px | Pavement on Cross Sections (Miscellaneous) | 1 | 0 / Continuous | 2 |
| X | | pdxsr | PavtOverbuild_px | Pavement Overbuild Areas on Cross Sections - Component Property | 4 | 0 / Continuous | 2 |
| X | | pdxsr | PavtOverlay_px | Pavement Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 2 |
| X | | pdxsr | PavtOverlay1_px | Pavement Overlay on Cross Sections - Component Property | 14 | 0 / Continuous | 2 |
| X | | pdxsr | PavtOverlay2_px | Pavement Overlay on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | pdxsr | PavtStabilization_px | Stabilization on Cross Sections | 5 | 2 / DGN2 | 2 |
| | | pdxsr | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | pdxsr | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | pdxsr | PipeCulvert_ex | Pipe Culvert in Cross Sections (Existing) | 10 | 3 / DGN3 | 1 |
| X | | pdxsr | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | pdxsr | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | pdxsr | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | pdxsr | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | pdxsr | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | pdxsr | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | B | pdxsr | PvtAnalysisCrown_px | Pavement Analysis Crowning on Cross Sections - Component Property | 7 | 0 / Continuous | 1 |
| X | B | pdxsr | PvtAnalysisFail_px | Pavement Analysis Failure on Cross Sections - Component Property | 3 | 0 / Continuous | 1 |
| X | B | pdxsr | PvtAnalysisMax_px | Pavement Analysis Acceptable Maximum Range on Cross Sections - Component Property | 5 | 0 / Continuous | 1 |
| X | B | pdxsr | PvtAnalysisMin_px | Pavement Analysis Acceptable Minimum Range on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | B | pdxsr | PvtAnalysisOptiml_px | Pavement Analysis Optima on Cross Sections - Component Property | 2 | 0 / Continuous | 1 |
| X | | pdxsr | Railing_px | Railing Components and Cross Sections Shapes | 9 | 0 / Continuous | 2 |
| | | pdxsr | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| A | | pdxsr | RegionBdry_dp | Boundary Line for Regions in Corridor Design (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| X | | pdxsr | RipRap_px | Rip Rap, Rubble on Cross Sections | 4 | 1 / DGN1 | 2 |
| X | | pdxsr | RumbleStrip1 | Rumble Strips Continuous Array | 0 | PM-RumbleSolid | 2 |
| X | | pdxsr | RumbleStrip2 | Rumble Strips Skip Array | 0 | PM-RumbleSkip | 2 |
| X | | pdxsr | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | pdxsr | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| X | | pdxsr | RWLine_ex | Right of Way Lines on Cross Sections (Existing) | 3 | RW-Existing | 1 |
| X | | pdxsr | RWLine_px | Right of Way Lines on Cross Sections | 4 | RW-Proposed | 2 |
| X | | pdxsr | SanitaryFM_ex | Force Main Lines on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| X | | pdxsr | SanitaryFM_px | Force Main Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | pdxsr | SanitarySewer_ex | Sanitary Sewer on Cross Sections (Existing) | 2 | 2 / DGN2 | 0 |
| X | | pdxsr | SanitarySewer_px | Sanitary Sewer on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | pdxsr | SanitarySewerEff_ex | Sanitary Sewer Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | pdxsr | SanitarySewerEff_px | Sanitary Sewer Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| | | pdxsr | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | pdxsr | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | pdxsr | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | pdxsr | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | pdxsr | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | pdxsr | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | pdxsr | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | pdxsr | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | pdxsr | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | | pdxsrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | pdxsrd | ShldrBase_px | Shoulder Base on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | pdxsrd | ShldrMilling_px | Shoulder Milling on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | pdxsrd | ShldrOverbuild_px | Shoulder Overbuild on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | pdxsrd | ShldrOverlay_px | Shoulder Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 1 |
| X | | pdxsrd | ShldrPaved_px | Shoulder Lines on Cross Sections (Paved) | 1 | 0 / Continuous | 2 |
| X | | pdxsrd | ShldrUnpaved_px | Shoulder Lines on Cross Sections (Unpaved) | 2 | 0 / Continuous | 2 |
| X | | pdxsrd | Sidewalk_ex | Sidewalk Elements on Cross Sections (Existing) | 0 | 2 / DGN2 | 1 |
| X | | pdxsrd | Sidewalk_px | Sidewalk Elements on Cross Sections | 0 | 0 / Continuous | 2 |
| | | pdxsrd | SidewalkBack_er | Back of Sidewalk Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | pdxsrd | SidewalkBack_pr | Back of Sidewalk Line Profile | 5 | 0 / Continuous | 2 |
| X | | pdxsrd | SidewalkBase_px | Sidewalk Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | pdxsrd | Slopes_px | Slope Lines on Cross Sections | 9 | 0 / Continuous | 2 |
| X | | pdxsrd | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |
| | | pdxsrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | pdxsrd | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| | | pdxsrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | pdxsrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | StreetLights_px | Street Lights on Cross Sections | 3 | 0 / Continuous | 1 |
| | | pdxsrd | Structure_px | Signal and Sign Structures on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | SubDsgn_px | Sub Design on Cross Sections Including sub-base | 4 | 0 / Continuous | 1 |
| X | | pdxsrd | Subsoil_px | Subsoil or Undercut on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | pdxsrd | SubsoilFinal_px | Subsoil Final for Multiline on Cross Sections | 18 | 0 / Continuous | 1 |
| X | | pdxsrd | SubsoilProp_px | Subsoil Proposed for Multiline on Cross Sections | 8 | 0 / Continuous | 1 |
| | B | pdxsrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | pdxsrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | pdxsrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | | pdxsrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | pdxsrd | TeleBur_ex | Telephone on Cross Sections (Buried) (Miscellaneous) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | pdxsrd | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| X | B | pdxsrd | TemplateBottom_px | Bottom of Template for Multiline on Cross Sections | 6 | 0 / Continuous | 1 |
| X | B | pdxsrd | TemplateFinal_px | Final Template for Multiline on Cross Sections | 2 | 0 / Continuous | 1 |
| X | B | pdxsrd | TemplateTop_px | Top of Template for Multiline on Cross Sections | 7 | 0 / Continuous | 1 |
| X | | pdxsrd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | pdxsrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | pdxsrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | pdxsrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | pdxsrd | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| | | pdxsrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | pdxsrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | pdxsrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | pdxsrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | pdxsrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | pdxsrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | pdxsrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | pdxsrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | pdxsrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | pdxsrd | TextXSBL_dp | Text - Cross Section Baseline Labels | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextXSDrain_ex | Text - Cross Section Drainage Labels (Existing) | 10 | 0 / Continuous | 2 |
| | | pdxsrd | TextXSDrain_px | Text - Cross Section Drainage Labels | 10 | 0 / Continuous | 2 |
| | | pdxsrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | pdxsrd | TextXSElev_ex | Text - Cross Section Elevations (Existing) | 2 | 0 / Continuous | 1 |
| | | pdxsrd | TextXSElev_px | Text - Cross Section Elevations | 0 | 0 / Continuous | 1 |
| B | | pdxsrd | TextXSGPKPts_dp | Text - Cross Section Points Labels | 4 | 0 / Continuous | 0 |
| | | pdxsrd | TextXSNotes_dp | Text - Cross Section Notes | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextXSSlope_dp | Text - Cross Section Slope Labels (rise:run format) | 0 | 0 / Continuous | 2 |
| | | pdxsrd | TextXSSlopePvt_dp | Text - Cross Section Pavement Slope Labels | 0 | 0 / Continuous | 2 |
| X | | pdxsrd | TrafSeparator_ex | Traffic Separator on Cross Sections (All Types) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | pdxsrd | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |
| X | | pdxsrd | TrafSeparatorBase_px | Traffic Separator Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | pdxsrd | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | pdxsrd | UtilsMisc_ex | Utility Items on Cross Sections (Miscellaneous) (Existing) | 8 | 2 / DGN2 | 1 |
| | | pdxsrd | UtilsMisc_px | Utility Items on Cross Sections (Miscellaneous) | 8 | 0 / Continuous | 1 |
| | | pdxsrd | Vehicle | Vehicle for Calculating Turning Radius | 7 | 0 / Continuous | 2 |
| A | | pdxsrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | pdxsrd | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |
| X | | pdxsrd | WallBarrier_ex | Barrier Wall on Cross Section (Existing) | 6 | 3 / DGN3 | 1 |
| X | | pdxsrd | WallBarrier_px | Barrier Wall on Cross Section | 6 | 0 / Continuous | 2 |
| | | pdxsrd | WallFooter_px | Wall Footer (Concrete) on Cross Sections - Component Symbology/Material on All Wall Footers/Leveling Pads | 2 | 0 / Continuous | 1 |
| X | | pdxsrd | WallGravBase_px | Gravity Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | pdxsrd | WallGravity_px | Gravity Wall on Cross Sections | 11 | 0 / Continuous | 2 |
| X | | pdxsrd | WallMedianBase_px | Median Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | pdxsrd | WallRetain_px | Retaining Walls on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | pdxsrd | WallShldrBase_px | Shoulder Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | pdxsrd | Water_ex | Water on Cross Sections (Existing) | 1 | 2 / DGN2 | 1 |
| X | | pdxsrd | Water_px | Water on Cross Sections | 1 | 0 / Continuous | 1 |
| X | | pdxsrd | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | pdxsrd | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | | pdxsrd | Wetland_ex | Wetland Boundary on Cross Sections (Existing) | 2 | RD-Wetland-Existing | 1 |
| | | pdxsrd | WetlandEdge_ep | Edge of Mangrove, Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 |
| | A | pdxsrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | pdxsrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | pdxsrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | pdxsrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| X | | pdxsrd | XSBaseTop_px | Cross Section Top of Base | 3 | 0 / Continuous | 2 |
| | | pdxsrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | pdxsrd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | pdxsrd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | pdxsrd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | pdxsrd | XSMisc_ex | Cross Section Roadway Items (Miscellaneous) (Existing) | 4 | 3 / DGN3 | 1 |
| | | pdxsrd | XSMisc_px | Cross Section Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | pdxsrd | XSPt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |
| | B | pdxsrd | XSShapeDep01_dp | Cross Section Shape Dependent | 11 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep02_dp | Cross Section Shape Dependent | 12 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep03_dp | Cross Section Shape Dependent | 13 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep04_dp | Cross Section Shape Dependent | 14 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep05_dp | Cross Section Shape Dependent | 15 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep06_dp | Cross Section Shape Dependent | 16 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep07_dp | Cross Section Shape Dependent | 17 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep08_dp | Cross Section Shape Dependent | 18 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep09_dp | Cross Section Shape Dependent | 19 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeDep10_dp | Cross Section Shape Dependent | 20 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep01_dp | Cross Section Shape Independent | 1 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep02_dp | Cross Section Shape Independent | 2 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep03_dp | Cross Section Shape Independent | 3 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep04_dp | Cross Section Shape Independent | 4 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep05_dp | Cross Section Shape Independent | 5 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep06_dp | Cross Section Shape Independent | 6 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep07_dp | Cross Section Shape Independent | 7 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep08_dp | Cross Section Shape Independent | 8 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep09_dp | Cross Section Shape Independent | 9 | 0 / Continuous | 2 |
| | B | pdxsrd | XSShapeIndep10_dp | Cross Section Shape Independent | 10 | 0 / Continuous | 2 |
| X | | pdxsrd | XSTypical_px | Cross Section Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

PLANRD - Roadway Plan Sheet

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | B | planrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | planrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | planrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| | | planrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | planrd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | planrd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | planrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | planrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | planrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | planrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | planrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | planrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | planrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | planrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | planrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | planrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | planrd | FLMap1 | Florida Map items - Weight of 1 | 1 | 0 / Continuous | 1 |
| | | planrd | FLMap2 | Florida Map items - Weight of 2 | 3 | 0 / Continuous | 2 |
| | | planrd | FLMap3 | Florida Map items - Weight of 3 | 2 | 0 / Continuous | 3 |
| | | planrd | FLMap4 | Florida Map items - Color 11 (Interstate) | 11 | 0 / Continuous | 3 |
| | | planrd | FLMap5 | Florida Map items – Weight 5, Style 7 (State Line) | 3 | 7 / DGN7 | 5 |
| | | planrd | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | planrd | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | planrd | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | planrd | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 2 |
| | | planrd | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |
| | | planrd | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 1 |
| | | planrd | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 2 |
| | | planrd | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | planrd | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 1 |
| | | planrd | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 2 |
| | | planrd | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| | | planrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | planrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | planrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | planrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| | | planrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | planrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | planrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | A | planrd | MatchLineMask_dp | Mask Area for Match Line Overlap Areas (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| | | planrd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | | planrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | planrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | planrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | planrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|--|---------------|---------------------------------|----------------|
| | | planrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | planrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | planrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | planrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | planrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | planrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | planrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | planrd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | planrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | planrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | planrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, Critical Cross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | planrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, Critical Cross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| | | planrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | planrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | planrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| | | planrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | planrd | RefPtAngleTie | Annotation: Angle Tie: Survey Reference Point / Detail | 0 | RW-Dimension-Type1 / Continuous | 1 |
| | | planrd | RefPtLine | Survey Reference Point Line / Detail (Miscellaneous) | 0 | 0 / Continuous | 1 |
| | | planrd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | planrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | planrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | planrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | planrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | planrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | planrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | planrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | planrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | planrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | planrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | planrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | planrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | planrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| B | | planrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | planrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | planrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | planrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | planrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | planrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | planrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | planrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | planrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | planrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | planrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | planrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | planrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | planrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| | | planrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | planrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | planrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | planrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | planrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | planrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | planrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | planrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | planrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | planrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | planrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | planrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | planrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | planrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| A | | planrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | planrd | Wetland | Wetland Boundary | 2 | RD-Wetland-Proposed | 1 |
| A | | planrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | planrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | planrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | planrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | planrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

PLPRRD - Roadway Plan/Profile Sheet

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|---------------------------------------|---------------|-------------------------|----------------|
| | B | plprrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | plprrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | plprrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| | | plprrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | plprrd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | plprrd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | plprrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | plprrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | plprrd | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | plprrd | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | plprrd | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | plprrd | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | plprrd | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | plprrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | plprrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | plprrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | plprrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | plprrd | Controller_ep | Controller and Accessories (Existing) | 0 | 2 / DGN2 | 1 |
| X | | plprrd | ControllerB_ep | Controller - Base Mounted (Existing) | 0 | 2 / DGN2 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | plprrd | ControllerP_ep | Controller Pole Mount (Existing) | 0 | 2 / DGN2 | 1 |
| | | plprrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | plprrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | plprrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| | | plprrd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |
| | | plprrd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | plprrd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | plprrd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | plprrd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | plprrd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| | | plprrd | DrainDivides00 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides00_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides01 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides01_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides02 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides02_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides03 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides03_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides04 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides04_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides05 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides05_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides06 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides06_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides07 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides07_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides08 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides08_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides09 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | plprrd | DrainDivides09_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | plprrd | DrainMisc | Drainage Items (Miscellaneous) | 10 | 0 / Continuous | 1 |
| | | plprrd | DrainMisc_pm | Drainage Items (Proposed Model) (Miscellaneous) | 10 | 0 / Continuous | 1 |
| X | | plprrd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | plprrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| | | plprrd | FLMap1 | Florida Map items - Weight of 1 | 1 | 0 / Continuous | 1 |
| | | plprrd | FLMap2 | Florida Map items - Weight of 2 | 3 | 0 / Continuous | 2 |
| | | plprrd | FLMap3 | Florida Map items - Weight of 3 | 2 | 0 / Continuous | 3 |
| | | plprrd | FLMap4 | Florida Map items - Color 11 (Interstate) | 11 | 0 / Continuous | 3 |
| | | plprrd | FLMap5 | Florida Map items - Weight 5, Style 7 (State Line) | 3 | 7 / DGN7 | 5 |
| | | plprrd | FlowLine_pr | Flow Line (Roadway Profile View) | 0 | 0 / Continuous | 2 |
| | | plprrd | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | plprrd | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | plprrd | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | plprrd | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections- Shell | 3 | 1 / DGN1 | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|---------------------------|----------------|
| | | plprrd | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | plprrd | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | 1 |
| | | plprrd | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections- Limestone | 2 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | 0 |
| | | plprrd | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | plprrd | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | 1 |
| | | plprrd | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| B | | plprrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| B | | plprrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| B | | plprrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| B | | plprrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| B | | plprrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| B | | plprrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| B | | plprrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | plprrd | GradeLine_er | Grade Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | plprrd | GradeLine_pr | Grade Line Profile | 5 | 0 / Continuous | 2 |
| | | plprrd | GradeLineCtr_dp | Grade Line Profile Center (Shown in Plan View) | 5 | 0 / Continuous | 0 |
| | | plprrd | GradeLineCtr_pr | Grade Line Profile Center | 5 | 0 / Continuous | 2 |
| | | plprrd | GradeLineLt_dp | Grade Line Profile Left (Shown in Plan View) | 1 | 0 / Continuous | 0 |
| | | plprrd | GradeLineLt_er | Grade Line Profile Left (Existing) | 1 | 2 / DGN2 | 1 |
| | | plprrd | GradeLineLt_pr | Grade Line Profile Left | 1 | 0 / Continuous | 2 |
| | | plprrd | GradeLineRt_dp | Grade Line Profile Right (Shown in Plan View) | 4 | 0 / Continuous | 0 |
| | | plprrd | GradeLineRt_er | Grade Line Profile Right (Existing) | 4 | 2 / DGN2 | 1 |
| | | plprrd | GradeLineRt_pr | Grade Line Profile Right | 4 | 0 / Continuous | 2 |
| | | plprrd | GradeSecPat | Grade Section Patterns | 0 | 0 / Continuous | 0 |
| | | plprrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | plprrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | plprrd | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | plprrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | plprrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | plprrd | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| | | plprrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | plprrd | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| | | plprrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| X | | plprrd | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | plprrd | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | plprrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | plprrd | LoopLI_ep | Loop Lead-In (Existing) | 3 | 2 / DGN2 | 0 |
| X | | plprrd | Loops_ep | Loop Assembly (All Types) (Existing) | 2 | 2 / DGN2 | 2 |
| X | | plprrd | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| | A | plprrd | MatchLineMask_dp | Mask Area for Match Line Overlap Areas (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| | | plprrd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | | plprrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | | plprrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | plprrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | plprrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | plprrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | plprrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | plprrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | plprrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | plprrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | plprrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | plprrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | plprrd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | plprrd | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | plprrd | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | plprrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | plprrd | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | plprrd | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 2 / DGN2 | 1 |
| X | | plprrd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | plprrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | plprrd | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | plprrd | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | plprrd | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | plprrd | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | plprrd | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | plprrd | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | plprrd | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | plprrd | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | plprrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | | plprrd | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | plprrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | | plprrd | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | plprrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | plprrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| | | plprrd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | plprrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | plprrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | plprrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | plprrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | plprrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | plprrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | plprrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | plprrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | plprrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | plprrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | plprrd | SidewalkBack_er | Back of Sidewalk Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | plprrd | SidewalkBack_pr | Back of Sidewalk Line Profile | 5 | 0 / Continuous | 2 |
| X | | plprrd | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| X | | plprrd | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| X | | plprrd | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| X | | plprrd | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | plprrd | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | plprrd | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | plprrd | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | plprrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | plprrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | plprrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | plprrd | StreetLights | Street Lights | 2 | 0 / Continuous | 1 |
| | B | plprrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | plprrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | plprrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | plprrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | plprrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | plprrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | plprrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | plprrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | plprrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | plprrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | plprrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | plprrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | plprrd | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | plprrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | plprrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | plprrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | plprrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | plprrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | plprrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | plprrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | plprrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | plprrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | plprrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | plprrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | plprrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | plprrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | plprrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | plprrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | plprrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | plprrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | plprrd | TopoMisc_ep | Topography (Miscellaneous) (Existing) | 0 | 3 / DGN3 | 1 |
| | | plprrd | Utility_er | Existing Utilities in Profile View | 3 | 2 / DGN2 | 2 |
| | | plprrd | Utility_pr | Proposed Utilities in Profile View | 3 | 0 / Continuous | 2 |
| | A | plprrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | plprrd | WallRetain_pr | Retaining Wall Profile | 9 | 0 / Continuous | 2 |
| | A | plprrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | plprrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | plprrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | plprrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | plprrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

QTDSRD - Quantity Computation

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|---------------------|---|---------------|-------------------------|----------------|
| | B | qt dsrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | qt dsrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| X | | qt dsrd | AdvWarnPanel | Advance Warning Arrow Panels | 4 | 0 / Continuous | 2 |
| X | | qt dsrd | AdvWarnVehicle | Work/Shadow/Advanced Warning Vehicle | 3 | 0 / Continuous | 2 |
| X | | qt dsrd | Aggregate | Aggregate | 8 | 0 / Continuous | 1 |
| X | | qt dsrd | ArtificialCovering | Artificial Coverings | 10 | 0 / Continuous | 2 |
| X | | qt dsrd | Attenuator | Attenuator Systems | 6 | MOT-Attenuator | 1 |
| X | | qt dsrd | AttenuatorTM | Attenuator Truck Mount | 6 | 0 / Continuous | 2 |
| | | qt dsrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | Barricade_px | Barricades Type I and II, Vertical Panels on Typical | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | BarricadeIII | Barricade Type III | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | BarricadeIII_px | Barricade Type III on Typical | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | qt dsrd | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | qt dsrd | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | qt dsrd | ChannelDev | Channelizing Devices | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | ChannelDevPed | Longitudinal Channelizing Device for Pedestrians | 6 | MOT-ChannelDevPed | 2 |
| X | | qt dsrd | ChannelDevPed_px | Longitudinal Channelizing Device for Pedestrians on Typical | 6 | 0 / Continuous | 2 |
| | | qt dsrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | qt dsrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | ClearingGrubbing | Clearing and Grubbing Limits and Quantity Items | 4 | 0 / Continuous | 1 |
| | | qt dsrd | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | qt dsrd | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / DGN3 | 0 |
| | | qt dsrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| X | | qt dsrd | CmpFlashbrdRiser | Cmp Flashboard Riser | 10 | 0 / Continuous | 2 |
| | | qt dsrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | qt dsrd | Concrete | Concrete Areas and Miscellaneous (All Types) | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | ConcreteRemoval | Concrete Removal (All Types) Quantity Shapes | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | ConcSlabs | Concrete Slabs | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | Cone_px | Cone and Tubular Marker on Typical | 6 | 0 / Continuous | 2 |
| | | qt dsrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | qt dsrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | qt dsrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | qt dsrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | qt dsrd | CurbBack | Back of Curb | 4 | 0 / Continuous | 1 |
| X | | qt dsrd | CurbFace | Curb and Gutter (Face) | 4 | 0 / Continuous | 1 |
| X | | qt dsrd | CurbRamp | Curb Cut Ramp | 8 | 0 / Continuous | 1 |
| X | | qt dsrd | CurbRampWarning | Detectable Warnings on Curb Ramps | 4 | 0 / Continuous | 2 |
| | | qt dsrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | qt dsrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | qt dsrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | qt dsrd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| | | qt dsrd | Driveway | Driveway (Drive, Lane, Turnouts) | 7 | 0 / Continuous | 2 |
| X | | qt dsrd | Drum_px | Drum on Typical | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|-------------------------|----------------|
| X | | qtdsrd | Flagman | Flagman | 6 | 0 / Continuous | 2 |
| X | | qtdsrd | FlowPaths | Time of Concentration Flow Paths | 10 | 1 / DGN1 | 1 |
| X | | qtdsrd | Gabions | Gabion Baskets or Mats | 10 | 0 / Continuous | 2 |
| X | | qtdsrd | Gabions_ep | Gabion Baskets or Mats (Existing) | 10 | 1 / DGN1 | 2 |
| X | | qtdsrd | Grass | Grass, Seeding and Mulching Areas | 2 | 1 / DGN1 | 2 |
| X | | qtdsrd | Guardrail | Guardrail | 1 | 0 / Continuous | 1 |
| X | | qtdsrd | GuardrailBRLt | Guardrail Bridge (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailBRRt | Guardrail Bridge (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | qtdsrd | GuardrailDbl | Guardrail (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | qtdsrd | GuardrailEndAch | Guardrail (End Anchorage) | 0 | 0 / Continuous | 1 |
| X | | qtdsrd | GuardrailLt | Guardrail (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailModThrieDbl | Guardrail Modified Thrie Beam (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | qtdsrd | GuardrailModThrieLt | Guardrail Modified Thrie Beam (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailModThrieRt | Guardrail Modified Thrie Beam (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | qtdsrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | qtdsrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| X | | qtdsrd | GuardrailPRDbl | Guardrail Double Face w/ Pipe Rail | 0 | RD-Guardrail-Double | 1 |
| X | | qtdsrd | GuardrailPRLt | Guardrail Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailPRRt | Guardrail Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | qtdsrd | GuardrailRRDbl | Guardrail Double Face w/ Rub Rail | 0 | RD-Guardrail-Double | 1 |
| X | | qtdsrd | GuardrailRRLt | Guardrail Left w/ Rub Rail | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailRRRt | Guardrail Right w/ Rub Rail | 0 | RD-Guardrail-Right | 1 |
| X | | qtdsrd | GuardrailRt | Guardrail Right | 0 | RD-Guardrail-Right | 1 |
| X | | qtdsrd | GuardrailThrieDbl | Guardrail Thrie Beam Double Face | 0 | RD-Guardrail-Double | 1 |
| X | | qtdsrd | GuardrailThrieLt | Guardrail Thrie Beam Left | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailThriePRLt | Guardrail Thrie Beam Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | qtdsrd | GuardrailThriePRRt | Guardrail Thrie Beam Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | qtdsrd | GuardrailThrieRt | Guardrail Thrie Beam Right | 0 | RD-Guardrail-Right | 1 |
| | | qtdsrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | qtdsrd | InletProt | Rock Bags and Sand Bagging | 10 | SWP-RockBags | 2 |
| | | qtdsrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | qtdsrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | qtdsrd | Mailbox | Mailboxes | 8 | 0 / Continuous | 1 |
| | | qtdsrd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | | qtdsrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | qtdsrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | qtdsrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | qtdsrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | qtdsrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | qtdsrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | qtdsrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | qtdsrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | qtdsrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | qtdsrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| X | | qtdsrd | MowingAreaLarge | Mowing and Maintenance Areas for Large Machine | 2 | 0 / Continuous | 2 |
| X | | qtdsrd | MowingAreaSmall | Mowing and Maintenance Areas (Includes Litter Removal Areas) | 68 | 0 / Continuous | 1 |
| X | | qtdsrd | Mulch | Mulch Area | 10 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|--------------------|--|---------------|---|----------------|
| | | qt dsrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| X | | qt dsrd | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | qt dsrd | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | qt dsrd | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | qt dsrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | qt dsrd | Pavers | Pavers - Brick and Block | 5 | 0 / Continuous | 1 |
| X | | qt dsrd | PavtAsphalt | Asphalt Pavement Edge Line and Quantity Shapes | 0 | 0 / Continuous | 2 |
| | | qt dsrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | qt dsrd | PavtBase | Base Material (All Types) | 3 | 0 / Continuous | 2 |
| X | | qt dsrd | PavtConcrete | Concrete Pavement Edge Lines and Quantity Shapes | 10 | 0 / Continuous | 2 |
| | | qt dsrd | PavtConcrete_ep | Concrete Pavement (Edges) (Existing) | 0 | 3 / DGN3 | 1 |
| X | | qt dsrd | PavtConcreteSC | Concrete Surface Coloring | 9 | 0 / Continuous | 1 |
| X | | qt dsrd | PavtFrictionCourse | Asphalt Concrete Friction Course | 4 | 0 / Continuous | 2 |
| X | | qt dsrd | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |
| X | | qt dsrd | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| | | qt dsrd | PavtMilling | Milling and Resurfacing Limits and Quantity Shapes | 1 | 0 / Continuous | 2 |
| | | qt dsrd | PavtMisc | Asphalt Material (Miscellaneous) | 1 | 0 / Continuous | 1 |
| X | | qt dsrd | PavtStabilization | Stabilization Material Lines and Shapes | 9 | 0 / Continuous | 2 |
| | | qt dsrd | PavtXover_ep | Crossovers and Detours (Temporary) (Existing) | 0 | 3 / DGN3 | 0 |
| | | qt dsrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | qt dsrd | Permit1 | Permit 1 Wetlands, Mitigation Sites, Planting Areas | 1 | 0 / Continuous | 1 |
| | | qt dsrd | Permit2 | Permit 2 Wetlands, Mitigation Sites, Planting Areas | 2 | 0 / Continuous | 1 |
| | | qt dsrd | Permit3 | Permit 3 Wetlands, Mitigation Sites, Planting Areas | 4 | 0 / Continuous | 1 |
| X | | qt dsrd | PMCeramic | Pavement Markers Ceramic | 0 | 0 / Continuous | 1 |
| | | qt dsrd | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | qt dsrd | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | qt dsrd | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | qt dsrd | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | qt dsrd | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | qt dsrd | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | qt dsrd | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | qt dsrd | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | qt dsrd | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | qt dsrd | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | qt dsrd | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | qt dsrd | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | qt dsrd | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | qt dsrd | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | qt dsrd | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | qt dsrd | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10'_20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | qt dsrd | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2'_2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | qt dsrd | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | qt dsrd | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | qt dsrd | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|-------------------|--|---------------|--|----------------|
| X | | qt dsrd | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | qt dsrd | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | qt dsrd | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | qt dsrd | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | qt dsrd | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |
| X | | qt dsrd | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | qt dsrd | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |
| X | | qt dsrd | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |
| X | | qt dsrd | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | qt dsrd | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | qt dsrd | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |
| X | | qt dsrd | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | qt dsrd | PMStripe6Bl | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | qt dsrd | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | qt dsrd | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | qt dsrd | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | qt dsrd | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | qt dsrd | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | qt dsrd | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | qt dsrd | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | qt dsrd | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | qt dsrd | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | qt dsrd | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | qt dsrd | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | qt dsrd | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | qt dsrd | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | qt dsrd | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | qt dsrd | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | qt dsrd | PMStripeRumbleWL | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | qt dsrd | PMStripeRumbleWR | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | qt dsrd | PMStripeRumbleYL | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | qt dsrd | PMStripeRumbleYR | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | qt dsrd | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | qt dsrd | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | qt dsrd | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | qt dsrd | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| | | qt dsrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | qt dsrd | PondSideSlope | Pond Side Slope | 0 | 0 / Continuous | 2 |
| X | | qt dsrd | Railing | Railings; Piperail, Guiderail, Handrail used for Pedestrian and Bicycles (All) | 9 | 0 / Continuous | 2 |
| | | qt dsrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| X | | qtdsrd | ReflPaintWht | Reflective Paint - Island Nose (White) | 0 | 0 / Continuous | 3 |
| X | | qtdsrd | ReflPaintYel | Reflective Paint - Island Nose (Yellow) | 4 | 0 / Continuous | 3 |
| X | | qtdsrd | RetentionArea | Retention Area | 2 | 0 / Continuous | 2 |
| | | qtdsrd | RoadwayMisc | Roadway Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | qtdsrd | RockGravelStone | Rock, Gravel, Stone, Boulders, Etc. | 1 | 0 / Continuous | 2 |
| X | | qtdsrd | RPM_ep | Reflective Pavement Markers (Existing) | 2 | 2 / DGN2 | 1 |
| X | | qtdsrd | RPM1 | Raised Pavement Markers, White | 0 | 0 / Continuous | 2 |
| X | | qtdsrd | RPM2 | Raised Pavement Markers, White - Red | 3 | 0 / Continuous | 2 |
| X | | qtdsrd | RPM3 | Raised Pavement Markers, Yellow | 4 | 0 / Continuous | 2 |
| X | | qtdsrd | RPM4 | Raised Pavement Markers, Yellow - Yellow | 9 | 0 / Continuous | 2 |
| X | | qtdsrd | RPM5 | Raised Pavement Markers, Yellow - Red | 6 | 0 / Continuous | 2 |
| X | | qtdsrd | RPM6 | Raised Pavement Markers, Blue | 1 | 0 / Continuous | 2 |
| X | | qtdsrd | RumbleStrip1 | Rumble Strips Continuous Array | 0 | PM-RumbleSolid | 2 |
| X | | qtdsrd | RumbleStrip2 | Rumble Strips Skip Array | 0 | PM-RumbleSkip | 2 |
| | | qtdsrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | qtdsrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | qtdsrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | qtdsrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| 10 | 1 | qtdsrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-HayBales | 2 |
| 10 | 1 | qtdsrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-SiltFence | 2 |
| X | | qtdsrd | SedimentBasin | Sediment Basin Index 101 | 10 | 0 / Continuous | 2 |
| X | | qtdsrd | SedimentBasin_ep | Sediment Basin Index 101 (Existing) | 10 | 3 / DGN3 | 1 |
| | | qtdsrd | ShldrHatch | Shoulder Hatch Pattern | 1 | 0 / RD-PavedShldr6 | 1 |
| X | | qtdsrd | ShldrPaved | Shoulder Line (Paved) | 1 | 0 / Continuous | 1 |
| X | | qtdsrd | ShldrUnpaved | Shoulder Line (Unpaved) | 0 | 0 / Continuous | 0 |
| X | | qtdsrd | SidewalkBack | Back of Sidewalk | 2 | 0 / Continuous | 1 |
| X | | qtdsrd | SidewalkConc | Sidewalk Concrete Shape | 0 | 0 / Continuous | 2 |
| X | | qtdsrd | SidewalkFront | Front of Sidewalk | 1 | 0 / Continuous | 1 |
| X | | qtdsrd | SignalWorkZone | Traffic Signal / Portable Signal | 3 | 0 / Continuous | 2 |
| X | | qtdsrd | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | qtdsrd | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | qtdsrd | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | qtdsrd | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | qtdsrd | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | qtdsrd | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | qtdsrd | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | qtdsrd | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | qtdsrd | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | qtdsrd | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | qtdsrd | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | qtdsrd | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | qtdsrd | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| | | qtdsrd | SignSupport_ep | Trusses and Cantilevers for Overhead Signs (Existing) | 0 | 3 / DGN3 | 1 |
| X | | qtdsrd | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | qtdsrd | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | qtdsrd | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|----------------------|--|---------------|----------------------------|----------------|
| X | | qt dsrd | SignWorkZone | Work Zone Signs | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | Sod | Performance Sod | 2 | 0 / Continuous | 2 |
| | | qt dsrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | qt dsrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | qt dsrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| | | qt dsrd | SuperPave | Asphaltic Concrete Super Pavement | 6 | 0 / Continuous | 2 |
| | A | qt dsrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | qt dsrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | qt dsrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | qt dsrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | qt dsrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | qt dsrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | qt dsrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | qt dsrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | qt dsrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | qt dsrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | qt dsrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | qt dsrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | qt dsrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | qt dsrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | qt dsrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | qt dsrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | qt dsrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | qt dsrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | qt dsrd | TrafficControlMisc | Traffic Control Items (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | qt dsrd | TrafSeparator | Traffic Separator (All Types) | 6 | 0 / Continuous | 1 |
| X | | qt dsrd | TubularMarker_px | Tubular Markers on Typical | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | TurbidityBarrier1 | Turbidity Barrier 1 (Floating) | 10 | SWP-TurbidityBarrier-Type1 | 2 |
| | | qt dsrd | TurbidityBarrier1_ep | Turbidity Barrier 1 (Floating) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | qt dsrd | TurbidityBarrier2 | Turbidity Barrier 2 (Staked) | 10 | SWP-TurbidityBarrier-Type2 | 2 |
| | | qt dsrd | TurbidityBarrier2_ep | Turbidity Barrier 2 (Staked) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | qt dsrd | Turf | Performance Turf | 100 | 0 / Continuous | 2 |
| | A | qt dsrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | qt dsrd | WallBarrier | Barrier Wall (All Types) | 6 | 0 / Continuous | 2 |
| X | | qt dsrd | WallGravity | Gravity Wall | 11 | 0 / Continuous | 1 |
| X | | qt dsrd | WallTempBarrier_px | Barrier Wall (Temporary) on Typical | 6 | 0 / Continuous | 2 |
| | | qt dsrd | Wetland | Wetland Boundary | 2 | RD-Wetland-Proposed | 1 |
| | | qt dsrd | Widening | Widening Patterns and Miscellaneous Elements | 1 | 0 / Continuous | 1 |
| | A | qt dsrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|-----------------|--|---------------|-------------------------|----------------|
| | A | qt dsrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | qt dsrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | qt dsrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | qt dsrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| | | qt dsrd | XSpt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |

RDXSRD - Roadway Cross Section

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|--------------------|--|---------------|-------------------------|----------------|
| | B | rd xsrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | rd xsrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | rd xsrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | rd xsrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | rd xsrd | Berm_px | Berm (Top, Front, or Back) on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rd xsrd | Bridge_px | Bridge Component on Cross Sections - Component Property | 0 | 0 / Continuous | 2 |
| X | | rd xsrd | CableBarrier_px | Cable Barrier on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | rd xsrd | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | rd xsrd | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | rd xsrd | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | rd xsrd | CATVBur_ex | Cable TV and Miscellaneous on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rd xsrd | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | rd xsrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | rd xsrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | rd xsrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | rd xsrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | rd xsrd | Concrete_px | Concrete Boundary Lines on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | rd xsrd | Conduit_ex | Conduit and Encasements on Cross Sections (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rd xsrd | Conduit_px | Conduit and Encasements on Cross Sections | 3 | 0 / Continuous | 1 |
| | | rd xsrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | rd xsrd | ConstLimits | Construction Limits | 3 | RW-LimitsOfConst | 2 |
| | | rd xsrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | rd xsrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | rd xsrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI symbols | 4 | 0 / Continuous | 2 |
| | | rd xsrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | rd xsrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | rd xsrd | Ditch_px | Ditch Top on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | rd xsrd | DitchBot_px | Ditch Bottom on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rd xsrd | DitchPavt_px | Ditch Pavement on Cross Sections | 3 | 0 / Continuous | 3 |
| | | rd xsrd | DrainAlert_px | Alert Symbology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 2 |
| | | rd xsrd | DrainMisc_ex | Drainage Elements on Cross Sections (All) (Miscellaneous) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rd xsrd | DrainStruct_ex | Drainage Structures on Cross Sections (All) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rd xsrd | DrainStruct_px | Drainage Structures and Elements on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| X | | rd xsrd | Driveway_ex | Driveway Lines on Cross Sections (Existing) | 7 | 2 / DGN2 | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | rdxsrd | Driveway_px | Driveway Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | rdxsrd | DrivewayBase_px | Driveway Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | rdxsrd | Earthwork1_px | Earthwork (Color 0) on Cross Sections | 0 | 0 / Continuous | 1 |
| | | rdxsrd | Earthwork2_px | Earthwork (Color 1) on Cross Sections | 1 | 0 / Continuous | 1 |
| | | rdxsrd | Earthwork3_px | Earthwork (Color 2) on Cross Sections | 2 | 0 / Continuous | 1 |
| | | rdxsrd | Earthwork4_px | Earthwork (Color 3) on Cross Sections | 3 | 0 / Continuous | 1 |
| | | rdxsrd | Earthwork5_px | Earthwork (Color 4) on Cross Sections | 4 | 0 / Continuous | 1 |
| X | | rdxsrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | rdxsrd | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 |
| X | | rdxsrd | EasePerpLine_px | Easement Lines Perpetual on Cross Sections | 4 | RW-PerpetualEasement | 12 |
| X | | rdxsrd | EaseTempLine_px | Easement Lines Temporary on Cross Sections | 6 | RW-TemporaryEasement | 0 |
| X | | rdxsrd | ElecBur_ex | Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rdxsrd | ElecBur_px | Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | rdxsrd | Endwall_px | Endwall on Cross Sections | 10 | 0 / Continuous | 2 |
| | | rdxsrd | ExcavationLimits_dp | Excavation Limits on Cross Sections | 0 | 0 / Continuous | 1 |
| | | rdxsrd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | rdxsrd | Fence_px | Fence Lines on Cross Sections | 6 | RD-Fence | 2 |
| X | | rdxsrd | FES_px | Flared End Sections on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxsrd | FOCBur_ex | Fiber Optics Cable on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxsrd | FOCBur_px | Fiber Optics Cable on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | rdxsrd | FOEElecBur_ex | Fiber Optics Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rdxsrd | FOEElecBur_px | Fiber Optics Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | rdxsrd | FOTBur_ex | Fiber Optics Telephone on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxsrd | FOTBur_px | Fiber Optics Telephone on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | rdxsrd | Gas_ex | Gas Pipe and Fittings on Cross Sections (Miscellaneous) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | rdxsrd | Gas_px | Gas Pipe and Fittings on Cross Sections (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | rdxsrd | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | rdxsrd | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | rdxsrd | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | rdxsrd | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections - Shell | 3 | 1 / DGN1 | 0 |
| | | rdxsrd | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | rdxsrd | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | 1 |
| | | rdxsrd | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections - Limestone | 2 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | 0 |
| | | rdxsrd | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | rdxsrd | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | 1 |
| | | rdxsrd | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| | B | rdxsrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| | B | rdxsrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---------------------------|----------------|
| | B | rdxsrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| | B | rdxsrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| | B | rdxsrd | GPKDrElv | Location Point for Drainage Cells | 5 | 5 / DGN5 | 2 |
| | B | rdxsrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| | B | rdxsrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| | B | rdxsrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| | | rdxsrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | rdxsrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | rdxsrd | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | rdxsrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| X | | rdxsrd | Guardrail_ex | Guardrail Lines on Cross Sections (Existing) | 0 | 2 / DGN2 | 2 |
| X | | rdxsrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | rdxsrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| | | rdxsrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | rdxsrd | Inlet_px | Inlets on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxsrd | InletBottom_px | Inlet Bottom on Cross Sections (All Types) | 10 | 0 / Continuous | 2 |
| X | | rdxsrd | LARWLine_ex | Limited Access Right of Way Lines on Cross Sections (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | rdxsrd | LARWLine_px | Limited Access Right of Way Lines on Cross Sections | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | rdxsrd | LateralLimits_px | Lateral Limits on Cross Sections | 6 | 0 / Continuous | 2 |
| | | rdxsrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | rdxsrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | rdxsrd | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| X | | rdxsrd | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| | A | rdxsrd | MatchLineMask_dp | Mask Area for Match Line Overlap Areas (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| X | | rdxsrd | MES_px | Mitered End Section on Cross Sections | 10 | 0 / Continuous | 2 |
| | | rdxsrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | rdxsrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | rdxsrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | rdxsrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | rdxsrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | rdxsrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | rdxsrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | rdxsrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | rdxsrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | rdxsrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | rdxsrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | rdxsrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | rdxsrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | rdxsrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | rdxsrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| X | | rdxsrd | PavedMedianBase_px | Median Subgrade on Cross Sections (Paved) | 3 | 0 / Continuous | 2 |
| | | rdxsrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | rdxsrd | PavtAsphalt_px | Asphalt Pavement on Cross Sections and Components in Models | 1 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtBase_ex | Base Material on Cross Sections (All Types) (Existing) | 3 | 3 / DGN3 | 1 |
| X | | rdxsrd | PavtBase_px | Base Material on Cross Sections (All Types) | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| X | | rdxsrd | PavtConcrete_px | Concrete Pavement on Cross Sections and Components in Models | 0 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtMilling_px | Asphalt Milling Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtMisc_px | Pavement on Cross Sections (Miscellaneous) | 1 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtOverbuild_px | Pavement Overbuild Areas on Cross Sections - Component Property | 4 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtOverlay_px | Pavement Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtOverlay1_px | Pavement Overlay on Cross Sections - Component Property | 14 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtOverlay2_px | Pavement Overlay on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | rdxsrd | PavtStabilization_px | Stabilization on Cross Sections | 5 | 2 / DGN2 | 2 |
| | | rdxsrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | rdxsrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rdxsrd | PipeCulvert_ex | Pipe Culvert in Cross Sections (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rdxsrd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | rdxsrd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | rdxsrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | rdxsrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | rdxsrd | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | rdxsrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | B | rdxsrd | PvtAnalysisCrown_px | Pavement Analysis Crowning on Cross Sections - Component Property | 7 | 0 / Continuous | 1 |
| X | B | rdxsrd | PvtAnalysisFail_px | Pavement Analysis Failure on Cross Sections - Component Property | 3 | 0 / Continuous | 1 |
| X | B | rdxsrd | PvtAnalysisMax_px | Pavement Analysis Acceptable Maximum Range on Cross Sections - Component Property | 5 | 0 / Continuous | 1 |
| X | B | rdxsrd | PvtAnalysisMin_px | Pavement Analysis Acceptable Minimum Range on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | B | rdxsrd | PvtAnalysisOptiml_px | Pavement Analysis Optimal on Cross Sections - Component Property | 2 | 0 / Continuous | 1 |
| X | | rdxsrd | Railing_px | Railing Components and Cross Sections Shapes | 9 | 0 / Continuous | 2 |
| | | rdxsrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| | A | rdxsrd | RegionBdry_dp | Boundary Line for Regions in Corridor Design (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| X | | rdxsrd | RipRap_px | Rip Rap, Rubble on Cross Sections | 4 | 1 / DGN1 | 2 |
| X | | rdxsrd | RumbleStrip1 | Rumble Strips Continuous Array | 0 | PM-RumbleSolid | 2 |
| X | | rdxsrd | RumbleStrip2 | Rumble Strips Skip Array | 0 | PM-RumbleSkip | 2 |
| X | | rdxsrd | RWLLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | rdxsrd | RWLLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| X | | rdxsrd | RWLLine_ex | Right of Way Lines on Cross Sections (Existing) | 3 | RW-Existing | 1 |
| X | | rdxsrd | RWLLine_px | Right of Way Lines on Cross Sections | 4 | RW-Proposed | 2 |
| X | | rdxsrd | SanitaryFM_ex | Force Main Lines on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxsrd | SanitaryFM_px | Force Main Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | rdxsrd | SanitarySewer_ex | Sanitary Sewer on Cross Sections (Existing) | 2 | 2 / DGN2 | 0 |
| X | | rdxsrd | SanitarySewer_px | Sanitary Sewer on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | rdxsrd | SanitarySewerEff_ex | Sanitary Sewer Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | rdxsrd | SanitarySewerEff_px | Sanitary Sewer Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| | | rdxsrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | rdxsrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | rdxsrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | rdxsrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | rdxsrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | rdxsrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | rdxsrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | | rdxsrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | rdxsrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | rdxsrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | rdxsrd | ShldrBase_px | Shoulder Base on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxsrd | ShldrMilling_px | Shoulder Milling on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | rdxsrd | ShldrOverbuild_px | Shoulder Overbuild on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | rdxsrd | ShldrOverlay_px | Shoulder Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 1 |
| X | | rdxsrd | ShldrPaved_px | Shoulder Lines on Cross Sections (Paved) | 1 | 0 / Continuous | 2 |
| X | | rdxsrd | ShldrUnpaved_px | Shoulder Lines on Cross Sections (Unpaved) | 2 | 0 / Continuous | 2 |
| X | | rdxsrd | Sidewalk_ex | Sidewalk Elements on Cross Sections (Existing) | 0 | 2 / DGN2 | 1 |
| X | | rdxsrd | Sidewalk_px | Sidewalk Elements on Cross Sections | 0 | 0 / Continuous | 2 |
| | | rdxsrd | SidewalkBack_er | Back of Sidewalk Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | rdxsrd | SidewalkBack_pr | Back of Sidewalk Line Profile | 5 | 0 / Continuous | 2 |
| X | | rdxsrd | SidewalkBase_px | Sidewalk Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxsrd | Slopes_px | Slope Lines on Cross Sections | 9 | 0 / Continuous | 2 |
| X | | rdxsrd | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |
| | | rdxsrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | rdxsrd | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| | | rdxsrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | rdxsrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | rdxsrd | StreetLights_px | Street Lights on Cross Sections | 3 | 0 / Continuous | 1 |
| | | rdxsrd | Structure_px | Signal and Sign Structures on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | rdxsrd | SubDsgn_px | Sub Design on Cross Sections Including Sub-base | 4 | 0 / Continuous | 1 |
| X | | rdxsrd | Subsoil_px | Subsoil or Undercut on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | rdxsrd | SubsoilFinal_px | Subsoil Final for Multiline on Cross Sections | 18 | 0 / Continuous | 1 |
| X | | rdxsrd | SubsoilProp_px | Subsoil Proposed for Multiline on Cross Sections | 8 | 0 / Continuous | 1 |
| B | | rdxsrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | rdxsrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | rdxsrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | rdxsrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | rdxsrd | TeleBur_ex | Telephone on Cross Sections (Buried) (Miscellaneous) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxsrd | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| X | B | rdxsrd | TemplateBottom_px | Bottom of Template for Multiline on Cross Sections | 6 | 0 / Continuous | 1 |
| X | B | rdxsrd | TemplateFinal_px | Final Template for Multiline on Cross Sections | 2 | 0 / Continuous | 1 |
| X | B | rdxsrd | TemplateTop_px | Top of Template for Multiline on Cross Sections | 7 | 0 / Continuous | 1 |
| X | | rdxsrd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | rdxsrd | TextAlert | Text - Alert Label to Highlight a Problem | 3 | 0 / Continuous | 2 |
| | | rdxsrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | rdxsrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | rdxsrd | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| | | rdxsrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | rdxsrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | rdxsrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | rdxsrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | rdxsrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | rdxsrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | rdxsrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | rdxsrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | rdxsrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxsrd | TextXSBL_dp | Text - Cross Section Baseline Labels | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextXSDrain_ex | Text - Cross Section Drainage Labels (Existing) | 10 | 0 / Continuous | 2 |
| | | rdxsrd | TextXSDrain_px | Text - Cross Section Drainage Labels | 10 | 0 / Continuous | 2 |
| | | rdxsrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | rdxsrd | TextXSElev_ex | Text - Cross Section Elevations (Existing) | 2 | 0 / Continuous | 1 |
| | | rdxsrd | TextXSElev_px | Text - Cross Section Elevations | 0 | 0 / Continuous | 1 |
| B | | rdxsrd | TextXSGPKPts_dp | Text - Cross Section Points Labels | 4 | 0 / Continuous | 0 |
| | | rdxsrd | TextXSNotes_dp | Text - Cross Section Notes | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextXS Slope_dp | Text - Cross Section Slope Labels (rise:run format) | 0 | 0 / Continuous | 2 |
| | | rdxsrd | TextXS SlopePvt_dp | Text - Cross Section Pavement Slope Labels | 0 | 0 / Continuous | 2 |
| X | | rdxsrd | TrafSeparator_ex | Traffic Separator on Cross Sections (All Types) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxsrd | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |
| X | | rdxsrd | TrafSeparatorBase_px | Traffic Separator Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | rdxsrd | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | rdxsrd | UtilsMisc_ex | Utility Items on Cross Sections (Miscellaneous) (Existing) | 8 | 2 / DGN2 | 1 |
| | | rdxsrd | UtilsMisc_px | Utility Items on Cross Sections (Miscellaneous) | 8 | 0 / Continuous | 1 |
| | | rdxsrd | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |
| X | | rdxsrd | WallBarrier_ex | Barrier Wall on Cross Section (Existing) | 6 | 3 / DGN3 | 1 |
| X | | rdxsrd | WallBarrier_px | Barrier Wall on Cross Section | 6 | 0 / Continuous | 2 |
| X | | rdxsrd | WallFooter_px | Wall Footer (Concrete) on Cross Sections - Component Symbolology/Material on All Wall Footers/Leveling Pads | 2 | 0 / Continuous | 1 |
| X | | rdxsrd | WallGravBase_px | Gravity Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxsrd | WallGravity_px | Gravity Wall on Cross Sections | 11 | 0 / Continuous | 2 |
| X | | rdxsrd | WallMedianBase_px | Median Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxsrd | WallRetain_px | Retaining Walls on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | rdxsrd | WallShldrBase_px | Shoulder Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxsrd | Water_ex | Water on Cross Sections (Existing) | 1 | 2 / DGN2 | 1 |
| X | | rdxsrd | Water_px | Water on Cross Sections | 1 | 0 / Continuous | 1 |
| X | | rdxsrd | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | rdxsrd | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | | rdxsrd | Wetland_ex | Wetland Boundary on Cross Sections (Existing) | 2 | RD-Wetland-Existing | 1 |
| | A | rdxsrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rdxsrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rdxsrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rdxsrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| X | | rdxsrd | XSBASETop_px | Cross Section Top of Base | 3 | 0 / Continuous | 2 |
| | | rdxsrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | rdxsrd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | rdxsrd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxsrd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | rdxsrd | XSMisc_ex | Cross Section Roadway Items (Miscellaneous) (Existing) | 4 | 3 / DGN3 | 1 |
| | | rdxsrd | XSMisc_px | Cross Section Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | rdxsrd | XSPt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |
| B | | rdxsrd | XSShapeDep01_dp | Cross Section Shape Dependent | 11 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep02_dp | Cross Section Shape Dependent | 12 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep03_dp | Cross Section Shape Dependent | 13 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep04_dp | Cross Section Shape Dependent | 14 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep05_dp | Cross Section Shape Dependent | 15 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep06_dp | Cross Section Shape Dependent | 16 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep07_dp | Cross Section Shape Dependent | 17 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep08_dp | Cross Section Shape Dependent | 18 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep09_dp | Cross Section Shape Dependent | 19 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeDep10_dp | Cross Section Shape Dependent | 20 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep01_dp | Cross Section Shape Independent | 1 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep02_dp | Cross Section Shape Independent | 2 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep03_dp | Cross Section Shape Independent | 3 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep04_dp | Cross Section Shape Independent | 4 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep05_dp | Cross Section Shape Independent | 5 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep06_dp | Cross Section Shape Independent | 6 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep07_dp | Cross Section Shape Independent | 7 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep08_dp | Cross Section Shape Independent | 8 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep09_dp | Cross Section Shape Independent | 9 | 0 / Continuous | 2 |
| B | | rdxsrd | XSShapeIndep10_dp | Cross Section Shape Independent | 10 | 0 / Continuous | 2 |
| X | | rdxsrd | XSTypical_px | Cross Section Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

RDXSSP - Signing and Pavement Cross Section

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| | B | rdxssp | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | rdxssp | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | rdxssp | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | rdxssp | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | rdxssp | Berm_px | Berm (Top, Front, or Back) on Cross Sections | 10 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| X | | rdxssp | Bridge_px | Bridge Component on Cross Sections - Component Property | 0 | 0 / Continuous | 2 |
| X | | rdxssp | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | rdxssp | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | rdxssp | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | rdxssp | CATVBur_ex | Cable TV and Miscellaneous on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxssp | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | rdxssp | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | rdxssp | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | rdxssp | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | rdxssp | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | rdxssp | Concrete_px | Concrete Boundary Lines on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | rdxssp | Conduit_ex | Conduit and Encasements on Cross Sections (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rdxssp | Conduit_px | Conduit and Encasements on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | rdxssp | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | rdxssp | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | rdxssp | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | rdxssp | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | rdxssp | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | rdxssp | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | rdxssp | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | rdxssp | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | rdxssp | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | rdxssp | CrossWalk1 | Emphasis Crosswalk 6ft High | 0 | PM-Stripe-6' Crosswalk | 4 |
| X | | rdxssp | CrossWalk2 | Emphasis Crosswalk 10ft High | 0 | PM-Stripe-10' Crosswalk | 4 |
| | | rdxssp | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | rdxssp | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | rdxssp | Delineator | Delineators (All Types) | 4 | 0 / Continuous | 1 |
| | | rdxssp | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | rdxssp | DirArrowsPavt | Pavement Marking Directional Arrows | 0 | 0 / Continuous | 1 |
| X | | rdxssp | Ditch_px | Ditch Top on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | rdxssp | DitchBot_px | Ditch Bottom on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxssp | DitchPavt_px | Ditch Pavement on Cross Sections | 3 | 0 / Continuous | 3 |
| | | rdxssp | DrainAlert_px | Alert Symbology for Structural Elements on Cross Sections | 3 | 0 / Continuous | 2 |
| | | rdxssp | DrainMisc_ex | Drainage Elements on Cross Sections (All) (Miscellaneous) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rdxssp | DrainStruct_ex | Drainage Structures on Cross Sections (All) (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rdxssp | DrainStruct_px | Drainage Structures and Elements on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| X | | rdxssp | Driveway_ex | Driveway Lines on Cross Sections (Existing) | 7 | 2 / DGN2 | 2 |
| X | | rdxssp | Driveway_px | Driveway Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | rdxssp | DrivewayBase_px | Driveway Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | rdxssp | Earthwork1_px | Earthwork (Color 0) on Cross Sections | 0 | 0 / Continuous | 1 |
| | | rdxssp | Earthwork2_px | Earthwork (Color 1) on Cross Sections | 1 | 0 / Continuous | 1 |
| | | rdxssp | Earthwork3_px | Earthwork (Color 2) on Cross Sections | 2 | 0 / Continuous | 1 |
| | | rdxssp | Earthwork4_px | Earthwork (Color 3) on Cross Sections | 3 | 0 / Continuous | 1 |
| | | rdxssp | Earthwork5_px | Earthwork (Color 4) on Cross Sections | 4 | 0 / Continuous | 1 |
| X | | rdxssp | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | rdxssp | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 |
| X | | rdxssp | EasePerpLine_px | Easement Lines Perpetual on Cross Sections | 4 | RW-PerpetualEasement | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | rdxssp | EaseTempLine_px | Easement Lines Temporary on Cross Sections | 6 | RW-TemporaryEasement | 0 |
| X | | rdxssp | ElecBur_ex | Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rdxssp | ElecBur_px | Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | rdxssp | Endwall_px | Endwall on Cross Sections | 10 | 0 / Continuous | 2 |
| | | rdxssp | ExcavationLimits_dp | Excavation Limits on Cross Sections | 0 | 0 / Continuous | 1 |
| | | rdxssp | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | rdxssp | Fence_px | Fence Lines on Cross Sections | 6 | RD-Fence | 2 |
| X | | rdxssp | FES_px | Flared End Sections on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxssp | FOCBur_ex | Fiber Optics Cable on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxssp | FOCBur_px | Fiber Optics Cable on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | rdxssp | FOEElecBur_ex | Fiber Optics Electrical on Cross Sections (Buried) (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rdxssp | FOEElecBur_px | Fiber Optics Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | rdxssp | FOTBur_ex | Fiber Optics Telephone on Cross Sections (Buried) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxssp | FOTBur_px | Fiber Optics Telephone on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| X | | rdxssp | Gas_ex | Gas Pipe and Fittings on Cross Sections (Miscellaneous) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | rdxssp | Gas_px | Gas Pipe and Fittings on Cross Sections (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | rdxssp | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | rdxssp | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | rdxssp | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | rdxssp | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections - Shell | 3 | 1 / DGN1 | 0 |
| | | rdxssp | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | rdxssp | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | 1 |
| | | rdxssp | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections - Limestone | 2 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | 0 |
| | | rdxssp | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | rdxssp | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | 1 |
| | | rdxssp | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| | | rdxssp | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | rdxssp | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | rdxssp | GridMinG_dp | Grid Lines Minor Sub 2 on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | rdxssp | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | rdxssp | GSBWFill | GuidSign Black and White Fill Level for GuidSign Cells | 0 | 0 / Continuous | 1 |
| | | rdxssp | GSColorFill | GuidSign Color Fill Level for GuidSign Cells | 2 | 0 / Continuous | 1 |
| | | rdxssp | GSDims | GuidSign Dimensions | 0 | 0 / Continuous | 1 |
| | | rdxssp | GSOuline | GuidSign Outline Level for GuidSign Cells | 0 | 0 / Continuous | 2 |
| | | rdxssp | GSSign | GuidSign Panel and Tag | 7 | 0 / Continuous | 0 |
| X | | rdxssp | Guardrail_ex | Guardrail Lines on Cross Sections (Existing) | 0 | 2 / DGN2 | 2 |
| X | | rdxssp | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | rdxssp | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| | | rdxssp | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---------------------------|----------------|
| X | | rdxssp | Inlet_px | Inlets on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxssp | InletBottom_px | Inlet Bottom on Cross Sections (All Types) | 10 | 0 / Continuous | 2 |
| X | | rdxssp | InterconCable | Cable Interconnect | 1 | SG-InterconCable-Proposed | 1 |
| X | | rdxssp | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| X | | rdxssp | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | rdxssp | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| | | rdxssp | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | rdxssp | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| X | | rdxssp | LARWLine_ex | Limited Access Right of Way Lines on Cross Sections (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | rdxssp | LARWLine_px | Limited Access Right of Way Lines on Cross Sections | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | rdxssp | LateralLimits_px | Lateral Limits on Cross Sections | 6 | 0 / Continuous | 2 |
| | | rdxssp | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | rdxssp | LightingMisc | Lighting Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | rdxssp | LightingSP | Lighting Service Points | 0 | 0 / Continuous | 1 |
| X | | rdxssp | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | rdxssp | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | rdxssp | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | rdxssp | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| | | rdxssp | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| X | | rdxssp | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxssp | MES_px | Mitered End Section on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | rdxssp | MetalButtons | Metal Buttons | 0 | 0 / Continuous | 2 |
| | | rdxssp | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | rdxssp | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | rdxssp | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | rdxssp | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | rdxssp | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | rdxssp | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | rdxssp | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | rdxssp | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | rdxssp | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | rdxssp | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | rdxssp | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | rdxssp | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | rdxssp | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | rdxssp | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | rdxssp | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | rdxssp | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | rdxssp | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | rdxssp | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | rdxssp | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | rdxssp | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | rdxssp | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| X | | rdxssp | PavedMedianBase_px | Median Subgrade on Cross Sections (Paved) | 3 | 0 / Continuous | 2 |
| | | rdxssp | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | rdxssp | PavtAsphalt_px | Asphalt Pavement on Cross Sections and Components in Models | 1 | 0 / Continuous | 2 |
| X | | rdxssp | PavtBase_ex | Base Material on Cross Sections (All Types) (Existing) | 3 | 3 / DGN3 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|---|----------------|
| X | | rdxssp | PavtBase_px | Base Material on Cross Sections (All Types) | 3 | 0 / Continuous | 2 |
| X | | rdxssp | PavtConcrete_px | Concrete Pavement on Cross Sections and Components in Models | 0 | 0 / Continuous | 2 |
| X | | rdxssp | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |
| X | | rdxssp | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| X | | rdxssp | PavtMilling_px | Asphalt Milling Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | rdxssp | PavtMisc_px | Pavement on Cross Sections (Miscellaneous) | 1 | 0 / Continuous | 2 |
| X | | rdxssp | PavtOverbuild_px | Pavement Overbuild Areas on Cross Sections - Component Property | 4 | 0 / Continuous | 2 |
| X | | rdxssp | PavtOverlay_px | Pavement Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 2 |
| X | | rdxssp | PavtOverlay1_px | Pavement Overlay on Cross Sections - Component Property | 14 | 0 / Continuous | 2 |
| X | | rdxssp | PavtOverlay2_px | Pavement Overlay on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | rdxssp | PavtStabilization_px | Stabilization on Cross Sections | 5 | 2 / DGN2 | 2 |
| | | rdxssp | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | rdxssp | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rdxssp | PipeCulvert_ex | Pipe Culvert in Cross Sections (Existing) | 10 | 3 / DGN3 | 1 |
| X | | rdxssp | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | rdxssp | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | rdxssp | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | rdxssp | PMCeramic | Pavement Markers Ceramic | 0 | 0 / Continuous | 1 |
| | | rdxssp | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | rdxssp | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | rdxssp | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | rdxssp | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | rdxssp | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | rdxssp | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | rdxssp | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | rdxssp | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | rdxssp | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | rdxssp | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | rdxssp | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | rdxssp | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | rdxssp | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | rdxssp | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | rdxssp | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | rdxssp | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10' 20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | rdxssp | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2' 2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | rdxssp | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | rdxssp | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | rdxssp | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |
| X | | rdxssp | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | rdxssp | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | rdxssp | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | rdxssp | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | rdxssp | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |
| X | | rdxssp | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | rdxssp | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|--|----------------|
| X | | rdxssp | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |
| X | | rdxssp | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | rdxssp | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | rdxssp | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |
| X | | rdxssp | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | rdxssp | PMStripe6Bl | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | rdxssp | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | rdxssp | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | rdxssp | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | rdxssp | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | rdxssp | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | rdxssp | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | rdxssp | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | rdxssp | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | rdxssp | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | rdxssp | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | rdxssp | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | rdxssp | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | rdxssp | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | rdxssp | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | rdxssp | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | rdxssp | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | rdxssp | PMStripeRumbleWL | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | rdxssp | PMStripeRumbleWR | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | rdxssp | PMStripeRumbleYL | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | rdxssp | PMStripeRumbleYR | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | rdxssp | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | rdxssp | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | rdxssp | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | rdxssp | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| | | rdxssp | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | rdxssp | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | rdxssp | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | rdxssp | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | rdxssp | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | rdxssp | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxssp | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | rdxssp | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | rdxssp | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| X | | rdxssp | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | rdxssp | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | rdxssp | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | rdxssp | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |
| X | | rdxssp | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | rdxssp | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | rdxssp | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | | rdxssp | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| X | B | rdxssp | PvtAnalysisCrown_px | Pavement Analysis Crowning on Cross Sections - Component Property | 7 | 0 / Continuous | 1 |
| X | B | rdxssp | PvtAnalysisFail_px | Pavement Analysis Failure on Cross Sections - Component Property | 3 | 0 / Continuous | 1 |
| X | B | rdxssp | PvtAnalysisMax_px | Pavement Analysis Acceptable Maximum Range on Cross Sections - Component Property | 5 | 0 / Continuous | 1 |
| X | B | rdxssp | PvtAnalysisMin_px | Pavement Analysis Acceptable Minimum Range on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | B | rdxssp | PvtAnalysisOptiml_px | Pavement Analysis Optimal on Cross Sections - Component Property | 2 | 0 / Continuous | 1 |
| X | | rdxssp | Railing_px | Railing Components and Cross Sections Shapes | 9 | 0 / Continuous | 2 |
| | | rdxssp | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | rdxssp | ReflPaintWht | Reflective Paint - Island Nose (White) | 0 | 0 / Continuous | 3 |
| X | | rdxssp | ReflPaintYel | Reflective Paint - Island Nose (Yellow) | 4 | 0 / Continuous | 3 |
| | A | rdxssp | RegionBdry_dp | Boundary Line for Regions in Corridor Design (For Autodesk Use) | 0 | 0 / Continuous | 0 |
| X | | rdxssp | RipRap_px | Rip Rap, Rubble on Cross Sections | 4 | 1 / DGN1 | 2 |
| X | | rdxssp | RPM_ep | Reflective Pavement Markers (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxssp | RPM1 | Raised Pavement Markers, White | 0 | 0 / Continuous | 2 |
| X | | rdxssp | RPM2 | Raised Pavement Markers, White - Red | 3 | 0 / Continuous | 2 |
| X | | rdxssp | RPM3 | Raised Pavement Markers, Yellow | 4 | 0 / Continuous | 2 |
| X | | rdxssp | RPM4 | Raised Pavement Markers, Yellow - Yellow | 9 | 0 / Continuous | 2 |
| X | | rdxssp | RPM5 | Raised Pavement Markers, Yellow - Red | 6 | 0 / Continuous | 2 |
| X | | rdxssp | RPM6 | Raised Pavement Markers, Blue | 1 | 0 / Continuous | 2 |
| X | | rdxssp | RumbleStrip1 | Rumble Strips Continuous Array | 0 | PM-RumbleSolid | 2 |
| X | | rdxssp | RumbleStrip2 | Rumble Strips Skip Array | 0 | PM-RumbleSkip | 2 |
| X | | rdxssp | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | rdxssp | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| X | | rdxssp | RWLine_ex | Right of Way Lines on Cross Sections (Existing) | 3 | RW-Existing | 1 |
| X | | rdxssp | RWLine_px | Right of Way Lines on Cross Sections | 4 | RW-Proposed | 2 |
| X | | rdxssp | SanitaryFM_ex | Force Main Lines on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxssp | SanitaryFM_px | Force Main Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | rdxssp | SanitarySewer_ex | Sanitary Sewer Lines on Cross Sections (Existing) | 2 | 2 / DGN2 | 0 |
| X | | rdxssp | SanitarySewer_px | Sanitary Sewer Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | rdxssp | SanitarySewerEff_ex | Sanitary Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | rdxssp | SanitarySewerEff_px | Sanitary Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| X | | rdxssp | SawCuts | Saw Cuts | 3 | 3 / DGN3 | 0 |
| | | rdxssp | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | rdxssp | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | rdxssp | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | rdxssp | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | rdxssp | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | rdxssp | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | rdxssp | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | rdxssp | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | | rdxssp | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | rdxssp | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | rdxssp | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | rdxssp | ShldrBase_px | Shoulder Base on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxssp | ShldrMilling_px | Shoulder Milling Component on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | rdxssp | ShldrOverbuild_px | Shoulder Overbuild on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | rdxssp | ShldrOverlay_px | Shoulder Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 1 |
| X | | rdxssp | ShldrPaved_px | Shoulder Lines on Cross Sections (Paved) | 1 | 0 / Continuous | 2 |
| X | | rdxssp | ShldrUnpaved_px | Shoulder Lines on Cross Sections (Unpaved) | 2 | 0 / Continuous | 2 |
| X | | rdxssp | Sidewalk_ex | Sidewalk Elements on Cross Sections (Existing) | 0 | 2 / DGN2 | 1 |
| X | | rdxssp | Sidewalk_px | Sidewalk Elements on Cross Sections | 0 | 0 / Continuous | 2 |
| | | rdxssp | SidewalkBack_er | Back of Sidewalk Line Profile (Existing) | 2 | 2 / DGN2 | 1 |
| | | rdxssp | SidewalkBack_pr | Back of Sidewalk Line Profile | 5 | 0 / Continuous | 2 |
| X | | rdxssp | SidewalkBase_px | Sidewalk Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxssp | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | rdxssp | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | rdxssp | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | rdxssp | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | rdxssp | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | rdxssp | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | rdxssp | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | rdxssp | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | rdxssp | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | rdxssp | SignPanelC | Sign Panels - Civil | 1 | 0 / Continuous | 2 |
| X | | rdxssp | SignPanelDetRed | Sign Panel Details in Red | 3 | 0 / Continuous | 2 |
| X | | rdxssp | SignPanelG | Sign Panels - Guide | 2 | 0 / Continuous | 2 |
| X | | rdxssp | SignPanell | Sign Panels - Special Interest | 9 | 0 / Continuous | 2 |
| X | | rdxssp | SignPanelT | Sign Panels - Construction | 6 | 0 / Continuous | 2 |
| X | | rdxssp | SignPanelW | Sign Panels - Warning | 4 | 0 / Continuous | 2 |
| X | | rdxssp | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | rdxssp | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxssp | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | rdxssp | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| X | | rdxssp | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | rdxssp | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | rdxssp | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| X | | rdxssp | Slopes_px | Slope Lines on Cross Sections | 9 | 0 / Continuous | 2 |
| X | | rdxssp | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |
| | | rdxssp | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | rdxssp | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| | | rdxssp | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | rdxssp | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | rdxssp | StreetLights_px | Street Lights on Cross Sections | 3 | 0 / Continuous | 1 |
| | | rdxssp | Structure_px | Signal and Sign Structures on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | rdxssp | SubDsgn_px | Sub Design on Cross Sections Including Sub-base | 4 | 0 / Continuous | 1 |
| X | | rdxssp | Subsoil_px | Subsoil or Undercut on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | rdxssp | SubsoilFinal_px | Subsoil Final for Multiline on Cross Sections | 18 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| X | | rdxssp | SubsoilProp_px | Subsoil Proposed for Multiline on Cross Sections | 8 | 0 / Continuous | 1 |
| | B | rdxssp | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | rdxssp | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | rdxssp | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | rdxssp | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | rdxssp | TeleBur_ex | Telephone on Cross Sections (Buried) (Miscellaneous) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxssp | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| X | B | rdxssp | TemplateBottom_px | Bottom of Template for Multiline on Cross Sections | 6 | 0 / Continuous | 1 |
| X | B | rdxssp | TemplateFinal_px | Final Template for Multiline on Cross Sections | 2 | 0 / Continuous | 1 |
| X | B | rdxssp | TemplateTop_px | Top of Template for Multiline on Cross Sections | 7 | 0 / Continuous | 1 |
| X | | rdxssp | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | rdxssp | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | rdxssp | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | rdxssp | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | rdxssp | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | rdxssp | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | rdxssp | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | rdxssp | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | rdxssp | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | rdxssp | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | rdxssp | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | rdxssp | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | rdxssp | TextXSBL_dp | Text - Cross Section Baseline Labels | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextXSDrain_ex | Text - Cross Section Drainage Labels (Existing) | 10 | 0 / Continuous | 2 |
| | | rdxssp | TextXSDrain_px | Text - Cross Section Drainage Labels | 10 | 0 / Continuous | 2 |
| | | rdxssp | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | rdxssp | TextXSElev_ex | Text - Cross Section Elevations (Existing) | 2 | 0 / Continuous | 1 |
| | | rdxssp | TextXSElev_px | Text - Cross Section Elevations | 0 | 0 / Continuous | 1 |
| | B | rdxssp | TextXSGPKPts_dp | Text - Cross Section Points Labels | 4 | 0 / Continuous | 0 |
| | | rdxssp | TextXSNotes_dp | Text - Cross Section Notes | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextXS Slope_dp | Text - Cross Section Slope Labels (rise:run format) | 0 | 0 / Continuous | 2 |
| | | rdxssp | TextXS SlopePvt_dp | Text - Cross Section Pavement Slope Labels | 0 | 0 / Continuous | 2 |
| X | | rdxssp | TrafSeparator_ex | Traffic Separator on Cross Sections (All Types) (Existing) | 6 | 2 / DGN2 | 1 |
| X | | rdxssp | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-------------------------|----------------|
| X | | rdxssp | TrafSeparatorBase_px | Traffic Separator Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| | | rdxssp | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | rdxssp | UtilsMisc_ex | Utility Items on Cross Sections (Miscellaneous) (Existing) | 8 | 2 / DGN2 | 1 |
| | | rdxssp | UtilsMisc_px | Utility Items on Cross Sections (Miscellaneous) | 8 | 0 / Continuous | 1 |
| | | rdxssp | Vehicle | Vehicle for Calculating Turning Radius | 7 | 0 / Continuous | 2 |
| | A | rdxssp | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | rdxssp | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |
| X | | rdxssp | WallBarrier_ex | Barrier Wall on Cross Section (Existing) | 6 | 3 / DGN3 | 1 |
| X | | rdxssp | WallBarrier_px | Barrier Wall on Cross Section | 6 | 0 / Continuous | 2 |
| X | | rdxssp | WallFooter_px | Wall Footer (Concrete) on Cross Sections - Component Symbology/Material on All Wall Footers/Leveling Pads | 2 | 0 / Continuous | 1 |
| X | | rdxssp | WallGravBase_px | Gravity Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxssp | WallGravity_px | Gravity Wall on Cross Sections | 11 | 0 / Continuous | 2 |
| X | | rdxssp | WallMedianBase_px | Median Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxssp | WallRetain_px | Retaining Walls on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | rdxssp | WallShldrBase_px | Shoulder Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | rdxssp | Water_ex | Water on Cross Sections (Existing) | 1 | 2 / DGN2 | 1 |
| X | | rdxssp | Water_px | Water on Cross Sections | 1 | 0 / Continuous | 1 |
| X | | rdxssp | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | rdxssp | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |
| | | rdxssp | Wetland_ep | Wetland Boundary on Cross Sections (Existing) | 2 | RD-Wetland-Existing | 1 |
| | | rdxssp | WetlandEdge_ep | Edge of Mangrove, Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 |
| | A | rdxssp | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rdxssp | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rdxssp | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rdxssp | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| X | | rdxssp | XSBASETop_px | Cross Section Top of Base | 3 | 0 / Continuous | 2 |
| | | rdxssp | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | rdxssp | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | rdxssp | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | rdxssp | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | rdxssp | XSMisc_ex | Cross Section Roadway Items (Miscellaneous) (Existing) | 4 | 3 / DGN3 | 1 |
| | | rdxssp | XSMisc_px | Cross Section Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | rdxssp | XSPt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 |
| | B | rdxssp | XSShapeDep01_dp | Cross Section Shape Dependent | 11 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep02_dp | Cross Section Shape Dependent | 12 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep03_dp | Cross Section Shape Dependent | 13 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep04_dp | Cross Section Shape Dependent | 14 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep05_dp | Cross Section Shape Dependent | 15 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep06_dp | Cross Section Shape Dependent | 16 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep07_dp | Cross Section Shape Dependent | 17 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep08_dp | Cross Section Shape Dependent | 18 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep09_dp | Cross Section Shape Dependent | 19 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeDep10_dp | Cross Section Shape Dependent | 20 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep01_dp | Cross Section Shape Independent | 1 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep02_dp | Cross Section Shape Independent | 2 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep03_dp | Cross Section Shape Independent | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| | B | rdxssp | XSShapeIndep04_dp | Cross Section Shape Independent | 4 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep05_dp | Cross Section Shape Independent | 5 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep06_dp | Cross Section Shape Independent | 6 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep07_dp | Cross Section Shape Independent | 7 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep08_dp | Cross Section Shape Independent | 8 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep09_dp | Cross Section Shape Independent | 9 | 0 / Continuous | 2 |
| | B | rdxssp | XSShapeIndep10_dp | Cross Section Shape Independent | 10 | 0 / Continuous | 2 |
| X | | rdxssp | XSTypical_px | Cross Section Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

RWDTRD - Right of Way Detail for Roadway

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|---------------------------|----------------|
| | B | rdwtrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | rdwtrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | rdwtrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| | | rdwtrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | rdwtrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| | | rdwtrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | rdwtrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| | | rdwtrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | rdwtrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | rdwtrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | rdwtrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | rdwtrd | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 |
| X | | rdwtrd | EasePerpLine | Easement Lines Perpetual (Proposed) | 4 | RW-PerpetualEasement | 1 |
| X | | rdwtrd | EaseTempLine | Easement Lines Temporary (Proposed) | 6 | RW-TemporaryEasement | 0 |
| X | | rdwtrd | EaseTempLine_ep | Easement Lines Temporary (Existing) | 6 | RW-TemporaryEasement | 1 |
| | | rdwtrd | GovCityLimitLine_ep | Government:City Limit Line (Existing) | 3 | RW-CityLimit-Type 1 | 0 |
| | | rdwtrd | GovCountyLine_ep | Government:County Line (Existing) | 3 | RW-CountyLine | 3 |
| | | rdwtrd | GovQuarterLine_ep | Government:Quarter Section Line (Existing) | 3 | RW-QuaterSection | 1 |
| X | | rdwtrd | GovSectionLine_ep | Section Lines (Existing) | 10 | RW-SectionLine | 2 |
| | | rdwtrd | GovStateLine_ep | Government:State Line (Existing) | 2 | RW-StateLine | 3 |
| X | | rdwtrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| | | rdwtrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | rdwtrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | rdwtrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| | | rdwtrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | rdwtrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | rdwtrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | rdwtrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | rdwtrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | rdwtrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | rdwtrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | rdwtrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|--|---------------|---------------------------------|----------------|
| | | rdwtrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | rdwtrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | rdwtrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | rdwtrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | rdwtrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | rdwtrd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| | | rdwtrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | rdwtrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | rdwtrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| | | rdwtrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | rdwtrd | RefPtAngleTie | Annotation:Angle Tie:Survey Reference Point / Detail | 0 | RW-Dimension-Type1 / Continuous | 1 |
| X | | rdwtrd | RefPtLeader | Annotation:Leader:Survey Reference Point / Detail | 0 | RW-Leader / Continuous | 1 |
| X | | rdwtrd | RefPtLine | Survey Reference Point Line / Detail (Miscellaneous) | 0 | 0 / Continuous | 1 |
| X | | rdwtrd | RefPtStaTie | Annotation:Station Tie:Survey Reference Point / Detail | 0 | RW-ArrowTie / Continuous | 0 |
| X | | rdwtrd | RefPtText | Annotation: Text: Survey Data Reference Point (Miscellaneous) | 0 | 0 / Continuous | 1 |
| X | | rdwtrd | RRBaseline | Baseline:Rail Road Centerline | 4 | 0 / Continuous | 2 |
| X | | rdwtrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | rdwtrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| | | rdwtrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | rdwtrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | rdwtrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | rdwtrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | rdwtrd | StationTic_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | rdwtrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | rdwtrd | SubDivLine | Subdivision Line | 5 | 0 / Continuous | 0 |
| | A | rdwtrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | rdwtrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | rdwtrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | rdwtrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | rdwtrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | rdwtrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | rdwtrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | rdwtrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | rdwtrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | rdwtrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | rdwtrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | rdwtrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | rdwtrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | rdwtrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | rdwtrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | rdwtrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|------------------|--|---------------|-------------------------|----------------|
| | | rwtdrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | rwtdrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | rwtdrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | A | rwtdrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | A | rwtdrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rwtdrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rwtdrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rwtdrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | rwtdrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

RWENG10 - Right of Way

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|---------|----------------------|---|---------------|-----------------------------|----------------|
| | B | rweng10 | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | rweng10 | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| 101 | | rweng10 | BaselineCurveData | Cell:Baseline Curve Data | 0 | 0 / Continuous | 2 |
| X | | rweng10 | BaselineFlagLT | Annotation:Begin End Baseline Flag Left | 0 | RW-LeaderLeft / Continuous | 2 |
| X | | rweng10 | BaselineFlagRT | Annotation:Begin End Baseline Flag Right | 0 | RW-LeaderRight / Continuous | 2 |
| X | B | rweng10 | BaselineLeaderWt0 | Annotation:Leader:Baseline Survey (weight = 0) | 0 | RW-Leader / Continuous | 0 |
| X | B | rweng10 | BaselineLeaderWt1 | Annotation:Leader:Baseline Survey (weight = 1) | 0 | RW-Leader / Continuous | 1 |
| X | B | rweng10 | BaselineLeaderWt2 | Annotation:Leader:Baseline Survey (weight = 2) | 0 | RW-Leader / Continuous | 2 |
| X | | rweng10 | BaselineSideStreet | Baseline:Baseline Side Street | 0 | 0 / Continuous | 0 |
| X | | rweng10 | BaselineStaTie | Annotation:Station Tie:Baseline Station Tie | 0 | RW-ArrowTie / Continuous | 0 |
| | | rweng10 | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | rweng10 | BaselineTangentLine | Miscellaneous:Baseline Curve Tangent (PC-PI-PT) | 0 | 2 / DGN2 | 0 |
| 101 | | rweng10 | BaselineTextWt0 | Annotation:Text:Baseline Text (weight = 0) | 0 | 0 / Continuous | 0 |
| 101 | | rweng10 | BaselineTextWt1 | Annotation:Text:Baseline Text (weight = 1) | 0 | 0 / Continuous | 1 |
| 101 | | rweng10 | BaselineTextWt2 | Annotation:Text:Baseline Text (weight = 2) | 0 | 0 / Continuous | 2 |
| X | | rweng10 | Building_ep | Buildings (Existing) | 1 | 0 / Continuous | 0 |
| X | B | rweng10 | BuildingLeader | Annotation:Leader:Building | 0 | RW-Leader / Continuous | 0 |
| X | | rweng10 | BuildingStaTie | Annotation:Station Tie:Building | 0 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | BuildingText | Annotation:Text:Buildings | 0 | 0 / Continuous | 0 |
| X | | rweng10 | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| X | | rweng10 | ClipBorder | Cell:Miscellaneous:RW Clip Border | 4 | 2 / DGN2 | 0 |
| X | | rweng10 | ClipBorderLine | Cell:Miscellaneous:RW Clip Border | 4 | 0 / Continuous | 4 |
| X | | rweng10 | ClipBorderOutside | Cell:Miscellaneous:RW Clip Border | 3 | 0 / Continuous | 0 |
| X | | rweng10 | Closing-SameLine | Miscellaneous:Closing Line, Same Point, or Same Line | 0 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | Closing-SameLineText | Miscellaneous:Text:Closing Line, Same Point, or Same Line | 0 | 0 / Continuous | 0 |
| | | rweng10 | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | rweng10 | ConstLimits | Proposed:Limits of Construction Line | 3 | RW-LimitsOfConst | 0 |
| X | B | rweng10 | ConstLimitsLeader | Annotation:Leader:Limits of Construction (Proposed) | 3 | RW-Leader / Continuous | 0 |
| X | | rweng10 | ConstLimitsStaTie | Annotation:Station Tie:Limits of Construction (Proposed) | 3 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | ConstLimitsText | Annotation:Text: Limits of Construction (Proposed) | 3 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|-----------------------|--|---------------|---------------------------------|----------------|
| | | rweng10 | CoordPtText | Annotation:Text:Miscellaneous:Coordinate Geometry Points | 4 | 0 / Continuous | 0 |
| | B | rweng10 | DataBoxWt0 | Cell:Miscellaneous:Data Table Wt0 For Text and Linear Elements | 0 | 0 / Continuous | 0 |
| | B | rweng10 | DataBoxWt1 | Cell:Miscellaneous:Data Table Wt1 For Text and Linear Elements | 0 | 0 / Continuous | 1 |
| | B | rweng10 | DataBoxWt2 | Cell:Miscellaneous:Data Table Wt2 For Text and Linear Elements | 0 | 0 / Continuous | 2 |
| | B | rweng10 | DataBoxWt3 | Cell:Miscellaneous:Data Table Wt3 For Text and Linear Elements | 0 | 0 / Continuous | 3 |
| | B | rweng10 | DataBoxWt4 | Cell:Miscellaneous:Data Table Wt4 For Text and Linear Elements | 0 | 0 / Continuous | 4 |
| X | | rweng10 | DetailBorder | Miscellaneous: Border for Mapping Detail | 0 | 3 / DGN3 | 3 |
| X | B | rweng10 | EaseLicLeader | Annotation:Leader:License (Proposed) | 0 | RW-Leader / Continuous | 1 |
| X | B | rweng10 | EaseLicLine | Easement:License (Proposed) | 0 | RW-License | 1 |
| X | | rweng10 | EaseLicStaTie | Annotation:Station Tie:License (Proposed) | 0 | RW-ArrowTie / Continuous | 1 |
| 101 | | rweng10 | EaseLicText | Annotation:Text:Easement Lines, License (Proposed) | 0 | 0 / Continuous | 1 |
| X | | rweng10 | EaseLicWidthArrow | Annotation:Arrow:License Width (Proposed) | 0 | RW-Dimension-Type2 / Continuous | 1 |
| X | | rweng10 | EaseLine_ep | Easement:Easement Line (Existing) | 1 | 2 / DGN2 | 0 |
| X | | rweng10 | EaseLineCenterline_ep | Baseline:Centerline:Easement (Existing) | 1 | RW-EasementCL-Existing | 0 |
| X | | rweng10 | EaseLineLeader_ep | Annotation:Leader:Easement (Existing) | 1 | RW-Leader / Continuous | 0 |
| X | | rweng10 | EaseLineStaTie_ep | Annotation:Station Tie:Easement (Existing) | 1 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | EaseLineText_ep | Annotation:Text:Easement Lines (Existing) | 1 | 0 / Continuous | 0 |
| X | | rweng10 | EaseLineWidthArrow_ep | Annotation:Arrow:Easement Width (Existing) | 1 | RW-Dimension-Type2 / Continuous | 0 |
| X | B | rweng10 | EasePerpLeader | Annotation:Leader:Easement Perpetual (Proposed) | 4 | RW-Leader / Continuous | 1 |
| X | | rweng10 | EasePerpLine | Easement:Perpetual Easement Line (Proposed) | 4 | RW-PerpetualEasement | 2 |
| X | | rweng10 | EasePerpStaTie | Annotation:Station Tie:Easement Perpetual (Proposed) | 4 | RW-ArrowTie / Continuous | 1 |
| 101 | | rweng10 | EasePerpText | Annotation:Text:Easement Lines, Perpetual (Proposed) | 4 | 0 / Continuous | 1 |
| X | | rweng10 | EasePerpWidthArrow | Annotation:Arrow:Easement Perpetual Width (Proposed) | 4 | RW-Dimension-Type2 / Continuous | 1 |
| X | B | rweng10 | EaseTempLeader | Annotation:Leader:Easement Temporary (Proposed) | 6 | RW-Leader / Continuous | 1 |
| X | | rweng10 | EaseTempLine | Easement:Temporary Easement Line (Proposed) | 6 | RW-TemporaryEasement | 1 |
| X | | rweng10 | EaseTempStaTie | Annotation:Station Tie:Easement Temporary (Proposed) | 6 | RW-ArrowTie / Continuous | 1 |
| 101 | | rweng10 | EaseTempText | Annotation:Text:Easement Lines, Temporary (Proposed) | 6 | 0 / Continuous | 1 |
| X | | rweng10 | EaseTempWidthArrow | Annotation:Arrow:Easement Temporary Width (Proposed) | 6 | RW-Dimension-Type2 / Continuous | 1 |
| X | | rweng10 | Fence_ep | Fence (All) (Existing) | 6 | RD-Fence | 0 |
| X | | rweng10 | FLMap1 | Florida Map Items - Weight of 1 | 1 | 0 / Continuous | 1 |
| X | | rweng10 | FLMap2 | Florida Map Items - Weight of 2 | 3 | 0 / Continuous | 2 |
| X | | rweng10 | FLMap3 | Florida Map Items - Weight of 3 | 2 | 0 / Continuous | 3 |
| X | | rweng10 | FLMap4 | Florida Map Items - Color 11 (Interstate) | 11 | 0 / Continuous | 3 |
| X | | rweng10 | FLMap5 | Florida Map Items – Weight 5, Style 7, (State Line) | 3 | 7 / DGN7 | 5 |
| X | B | rweng10 | GenNotesLeader | Annotation:Leader:Miscellaneous:General Notes | 0 | RW-Leader / Continuous | 2 |
| 101 | | rweng10 | GenNotesText | Annotation:Miscellaneous:Text: General Notes | 0 | 0 / Continuous | 2 |
| X | | rweng10 | GovCityLimitHLine_ep | Government:City Limit Line (Hash Only) | 3 | RW-CityLimit-Type2 | 0 |
| X | | rweng10 | GovCityLimitLine_ep | Government:City Limit Line | 3 | RW-CityLimit-Type1 | 0 |
| X | | rweng10 | GovCountyLine_ep | Government:County Line | 3 | RW-CountyLine | 3 |
| X | | rweng10 | GovGrantLine_ep | Government:Grant Line | 3 | RW-GrantLine | 2 |
| X | | rweng10 | GovGreenLeaderWt0_ep | Annotation:Leader:Government (color = green)(weight = 0) | 2 | RW-Leader / Continuous | 0 |
| X | | rweng10 | GovGreenLeaderWt2_ep | Annotation:Leader:Government (color = green)(weight = 2) | 2 | RW-Leader / Continuous | 2 |
| X | | rweng10 | GovGreenStaTie_ep | Annotation:Station Tie:Government (color = green) | 2 | RW-ArrowTie / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|-----------------------|--|---------------|---------------------------------|----------------|
| X | B | rweng10 | GovGreenTextWt0_ep | Annotation:Government Text Green Weight of 0 | 2 | 0 / Continuous | 0 |
| X | B | rweng10 | GovGreenTextWt2_ep | Annotation:Government Text Green Weight of 2 | 2 | 0 / Continuous | 2 |
| X | | rweng10 | GovLotLine_ep | Government:Lot Line | 3 | 0 / Continuous | 0 |
| X | | rweng10 | GovMeanderLine_ep | Government:Meander Line | 3 | 3 / DGN3 | 1 |
| X | | rweng10 | GovParkHLine_ep | Government:National or State Park or Forest Line (Hash Only) | 2 | RW-Nat/StPark/Forest-Type2 | 0 |
| X | | rweng10 | GovParkLine_ep | Government:National or State Park or Forest Line | 2 | RW-Nat/StPark/Forest-Type1 | 0 |
| X | | rweng10 | GovQtrQtrLine_ep | Government:Quarter / Quarter Section Line | 3 | RW-QuarterSection | 0 |
| X | | rweng10 | GovQuarterLine_ep | Government:Quarter Section Line | 3 | RW-QuarterSection | 1 |
| X | | rweng10 | GovRedLeaderWt0_ep | Annotation:Leader:Government (color = red)(weight = 0) | 3 | RW-Leader / Continuous | 0 |
| X | | rweng10 | GovRedLeaderWt2_ep | Annotation:Leader:Government (color = red)(weight = 2) | 3 | RW-Leader / Continuous | 2 |
| X | | rweng10 | GovRedStaTie_ep | Annotation:Station Tie:Government (color = red) | 3 | RW-ArrowTie / Continuous | 0 |
| X | B | rweng10 | GovRedTextWt0_ep | Annotation:Government Text Red Weight of 0 | 3 | 0 / Continuous | 0 |
| X | B | rweng10 | GovRedTextWt2_ep | Annotation:Government Text Red Weight of 2 | 3 | 0 / Continuous | 2 |
| X | | rweng10 | GovSectionLine_ep | Government:Section Line | 3 | RW-SectionLine | 2 |
| X | | rweng10 | GovStateLine_ep | Government:State Line | 2 | RW-StateLine | 3 |
| X | | rweng10 | GovTwpRgeLine_ep | Government:Township and Range Government Survey Line | 2 | RW-TownshipRange | 3 |
| | | rweng10 | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | rweng10 | LARWLine | Proposed:Limited Access Right of Way Line | 4 | RW-LimitedAccess-Proposed | 3 |
| X | | rweng10 | LARWLine_ep | Existing:Limited Access Right of Way Line | 7 | RW-LimitedAccess-Existing | 0 |
| X | | rweng10 | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | B | rweng10 | MaintLeader | Annotation:Leader:Maintenance | 4 | RW-Leader / Continuous | 2 |
| X | | rweng10 | MaintLine | Proposed:Maintenance Line | 4 | 0 / Continuous | 4 |
| X | | rweng10 | MaintStaTie | Annotation:Station Tie:Maintenance | 4 | RW-ArrowTie / Continuous | 2 |
| 101 | | rweng10 | MaintText | Annotation:Text: Maintenance | 4 | 0 / Continuous | 2 |
| X | | rweng10 | MaintWidthArrow | Annotation:Arrow:Maintenance Width (Proposed) | 4 | RW-Dimension-Type2 / Continuous | 2 |
| X | | rweng10 | MapOutline_dp | Outline for Key Maps | 0 | 0 / Continuous | 5 |
| | A | rweng10 | MatchLineMask_dp | Mask Area for Match Line Overlap Areas (For AutoCAD Use) | 0 | 0 / Continuous | 0 |
| X | B | rweng10 | MHWL_TIITF_Leader | Annotation:Leader:TIITF:Mean High Water Lines or Ordinary High Water Lines | 7 | RW-Leader / Continuous | 2 |
| X | | rweng10 | MHWL_TIITF_Line | TIITF:Mean High Water Lines or Ordinary High Water Lines | 7 | 0 / Continuous | 3 |
| X | | rweng10 | MHWL_TIITF_StaTie | Annotation:Station Tie:TIITF:Safe Upland Elevation Lines or Jurisdictional Lines | 7 | RW-ArrowTie / Continuous | 2 |
| 101 | | rweng10 | MHWL_TIITF_Text | Annotation:Text:TIITF:Mean High Water Lines or Ordinary High Water Lines | 7 | 0 / Continuous | 2 |
| X | | rweng10 | MHWL_TIITF_WidthArrow | Annotation:Arrow:TIITF:Mean High Water Lines or Ordinary High Water Lines | 7 | RW-Dimension-Type2 / Continuous | 2 |
| X | | rweng10 | MonConcOpen | Cell:Monument, Concrete Open | 4 | 0 / Continuous | 1 |
| X | | rweng10 | MonConcSolid | Cell:Monument, Concrete Solid | 4 | 0 / Continuous | 1 |
| X | | rweng10 | MonConRW | Cell:Monument, Concrete RW | 4 | 0 / Continuous | 2 |
| X | B | rweng10 | MonLeader | Annotation:Leader:Found / Set Monuments (Not Government Corners) | 4 | RW-Leader / Continuous | 0 |
| X | | rweng10 | MonPermRW | Cell:Monument, RW Permanent (RW Survey Map) | 4 | 0 / Continuous | 2 |
| X | | rweng10 | MonRodOpen | Cell:Monument, Rod Open | 4 | 0 / Continuous | 1 |
| X | | rweng10 | MonRodSolid | Cell:Monument, Rod Solid | 4 | 0 / Continuous | 1 |
| X | | rweng10 | MonStaTie | Annotation:Station Tie:Found / Set Monuments (Not Government Corners) | 4 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | MonText | Annotation:Text:Found / Set Monuments (Not Government Corners) | 4 | 0 / Continuous | 0 |
| X | | rweng10 | Monument_ep | Monuments (All), Stamped Disk or Plate, Photo Control Point, Aerial Targets (Existing) | 4 | 0 / Continuous | 0 |
| X | B | rweng10 | Murphy_TIITF_Leader | Annotation:Leader:TIITF:Murphy Reservations Lines | 2 | RW-Leader / Continuous | 1 |
| X | | rweng10 | Murphy_TIITF_Line | TIITF: Upland TIITF:Murphy Reservations Lines | 2 | RW-TIITFMurphyResLine | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|-------------------------|--|---------------|---------------------------------|----------------|
| X | | rweng10 | Murphy_TIITF_StaTie | Annotation:Station Tie:TIITF:Murphy Reservations Lines | 2 | RW-ArrowTie / Continuous | 1 |
| 101 | | rweng10 | Murphy_TIITF_Text | Annotation:Text:TIITF:Murphy Reservations Lines | 2 | 0 / Continuous | 1 |
| X | | rweng10 | Murphy_TIITF_WidthArrow | Annotation:Arrow:TIITF:Murphy Reservations Lines | 2 | RW-Dimension-Type2 / Continuous | 1 |
| | | rweng10 | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| X | B | rweng10 | NonVehcLeader_ep | Annotation:Leader:Non- Vehicular Access | 3 | RW-Leader / Continuous | 0 |
| X | | rweng10 | NonVehcLine_ep | Existing:Non-Vehicular Access Line | 3 | RW-NonVehicularAccess | 0 |
| X | | rweng10 | NonVehcStaTie_ep | Annotation:Station Tie:Non -Vehicular Access | 3 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | NonVehcText_ep | Annotation:Text:Non-Vehicular Access (Existing) | 3 | 0 / Continuous | 0 |
| | | rweng10 | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| 101 | | rweng10 | ParcelBubble100 | Cell:Miscellaneous:Right of Way Parcel Bubble with Leader | 3 | 0 / Continuous | 2 |
| 101 | | rweng10 | ParcelBubble700 | Cell:Miscellaneous:Temporary Easement Parcel Bubble with Leader | 6 | 0 / Continuous | 2 |
| 101 | | rweng10 | ParcelBubble800 | Cell:Miscellaneous:Perpetual Easement Parcel Bubble with Leader | 4 | 0 / Continuous | 2 |
| 101 | | rweng10 | ParcelBubble900 | Cell:Miscellaneous:License Parcel Bubble with Leader | 0 | 0 / Continuous | 2 |
| X | | rweng10 | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | rweng10 | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | rweng10 | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | rweng10 | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | rweng10 | PropertyLine_ep | Existing:Property Line | 7 | 0 / Continuous | 0 |
| X | | rweng10 | PropertyLineHook_ep | Cell:Miscellaneous:Property Line Hook | 4 | 0 / Continuous | 0 |
| X | B | rweng10 | PropertyLineLeader_ep | Annotation:Leader:Property Line (Existing) | 7 | RW-Leader / Continuous | 0 |
| X | | rweng10 | PropertyLineStaTie_ep | Annotation:Station Tie:Property Line (Existing) | 7 | RW-ArrowTie / Continuous | 0 |
| X | | rweng10 | PropertyLineSymbol_ep | Cell:Miscellaneous:Property Line Symbol | 4 | 0 / Continuous | 0 |
| 101 | | rweng10 | PropertyLineText_ep | Annotation:Text:Property Line (Existing) | 7 | 0 / Continuous | 0 |
| X | | rweng10 | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | rweng10 | RefPtAngleTie | Annotation: Angle Tie: Survey Reference Point / Detail | 0 | RW-Dimension-Type1 / Continuous | 1 |
| X | B | rweng10 | RefPtLeader | Annotation: Leader: Survey Reference Point / Detail | 0 | RW-Leader / Continuous | 1 |
| X | | rweng10 | RefPtLine | Survey Reference Point Line / Detail (Miscellaneous) | 0 | 0 / Continuous | 1 |
| X | | rweng10 | RefPtStaTie | Annotation: Station Tie: Survey Reference Point / Detail | 0 | RW-ArrowTie / Continuous | 0 |
| X | | rweng10 | RefPtText | Annotation: Text: Survey Data Reference Point (Miscellaneous) | 0 | 0 / Continuous | 1 |
| X | | rweng10 | RFClipPoint | Cell:Miscellaneous:Point (Point Cell for RFCLIP Program) | 4 | 0 / Continuous | 10 |
| X | | rweng10 | RRBaseline | Baseline:Rail Road Centerline | 0 | RW-RailroadeBL | 0 |
| X | B | rweng10 | RRLeaderWt0 | Annotation:Leader:Railroad (weight = 0) | 0 | RW-Leader / Continuous | 0 |
| X | B | rweng10 | RRLeaderWt1 | Annotation:Leader:Railroad (weight = 1) | 0 | RW-Leader / Continuous | 1 |
| X | B | rweng10 | RRLeaderWt2 | Annotation:Leader:Railroad (weight = 2) | 0 | RW-Leader / Continuous | 2 |
| 101 | | rweng10 | RRTextWt0 | Annotation:Text:Railroad (weight = 0) | 0 | 0 / Continuous | 0 |
| 101 | | rweng10 | RRTextWt1 | Annotation:Text:Railroad (weight = 1) | 0 | 0 / Continuous | 1 |
| 101 | | rweng10 | RRTextWt2 | Annotation:Text:Railroad (weight = 2) | 0 | 0 / Continuous | 2 |
| X | B | rweng10 | RWandLA_Leader | Annotation:Leader:R/W & L/A (Proposed) | 3 | RW-Leader / Continuous | 2 |
| X | B | rweng10 | RWandLA_Leader_ep | Annotation:Leader:R/W & L/A (Existing) | 7 | RW-Leader / Continuous | 0 |
| X | | rweng10 | RWandLA_StaTie | Annotation:Station Tie:R/W & L/A Lines (Proposed) | 3 | RW-ArrowTie / Continuous | 2 |
| X | | rweng10 | RWandLA_StaTie_ep | Annotation:Station Tie:R/W & L/A Lines (Existing) | 7 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | RWandLA_Text | Annotation:Text:R/W & L/A Lines Taking Lines (Proposed) | 3 | 0 / Continuous | 2 |
| 101 | | rweng10 | RWandLA_Text_ep | Annotation:Text:R/W & L/A Lines (Existing) | 7 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|------------------------|---|---------------|---------------------------------------|----------------|
| X | | rweng10 | RWandLA_WidthArrow | Annotation:Arrow:RW & LA Width (Proposed) | 3 | RW-Dimension-Type2 / Continuous | 2 |
| X | | rweng10 | RWandLA_WidthArrow_ep | Annotation:Arrow:RW & LA Width (Existing) | 7 | RW-Dimension-Type2 / Continuous | 0 |
| X | | rweng10 | RWLine | Proposed:Right of Way Line | 4 | RW-Proposed | 3 |
| X | | rweng10 | RWLine_ep | Existing:RW Line | 7 | RW-Existing | 0 |
| X | | rweng10 | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| X | | rweng10 | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| X | | rweng10 | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| X | | rweng10 | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | rweng10 | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| X | | rweng10 | ScratchElements | Scratch:None Plotting Level for Draft Elements, Temporary Elements, Etc. | 3 | 0 / Continuous | 0 |
| X | | rweng10 | ScratchLevel1 | Scratch:Level for Undefined Items - weight of 1 | 0 | 0 / Continuous | 1 |
| X | | rweng10 | ScratchLevel2 | Scratch:Level for Undefined Items - weight of 2 | 0 | 0 / Continuous | 2 |
| X | | rweng10 | ScratchLevel3 | Scratch:Level for Undefined Items - weight of 3 | 0 | 0 / Continuous | 3 |
| 101 | | rweng10 | SegCurveData | Cell:Miscellaneous:Segmented Curve Data (Place on Text Symbology of Assoc. Element) | 0 | 0 / Continuous | 0 |
| X | | rweng10 | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| X | | rweng10 | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| X | | rweng10 | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| X | | rweng10 | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| X | | rweng10 | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| X | | rweng10 | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | rweng10 | SheetLinesSignature_dp | Sheet Lines Signature | 1 | 2 / DGN2 | 0 |
| X | B | rweng10 | SideStLeaderWt1 | Annotation:Leader:Side Street (weight = 1) | 0 | RW-Leader / Continuous | 1 |
| X | B | rweng10 | SideStLeaderWt2 | Annotation:Leader:Side Street (weight = 2) | 0 | RW-Leader / Continuous | 2 |
| X | | rweng10 | SideStStaTie | Annotation:Station Tie:Side Street | 0 | RW-ArrowTie / Continuous | 0 |
| 101 | | rweng10 | SideStTextWt1 | Annotation:Text:Side Street Curve Data, Curve & Coordinate Box Text | 0 | 0 / Continuous | 1 |
| 101 | | rweng10 | SideStTextWt2 | Annotation:Text:Side Street Data:Stations, Names, Leader Lines & Circles for (PC,PT,PI,POT) | 0 | 0 / Continuous | 2 |
| X | | rweng10 | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| X | | rweng10 | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| 101 | | rweng10 | SubBlockNumberText | Cell:Miscellaneous:Subdivision:Text:Block Number Enter Data Field | 5 | 0 / Continuous | 2 |
| X | | rweng10 | SubDivDelineator | Annotation:Subdivision Delineator Line for Subdivision Terminator | 5 | 0 / Continuous | 1 |
| X | | rweng10 | SubDivLine | Existing:Subdivision Line | 5 | 0 / Continuous | 0 |
| 101 | | rweng10 | SubDivLineText | Annotation:Text:Subdivision: Lines & Vacated / Original Lot Lines (Existing) | 5 | 0 / Continuous | 0 |
| 101 | | rweng10 | SubDivNameText | Annotation:Text:Subdivision: Plat Name (Existing) | 5 | 0 / Continuous | 2 |
| X | | rweng10 | SubDivRW_WidthArrow | Annotation:Arrow:Subdivision | 5 | RW-Dimension-Type2 / Continuous | 0 |
| X | | rweng10 | SubDoubleArrow | Annotation:Subdivision: Boundary Arrows Double <<---->> | 5 | RW-Subdiv-Double | 1 |
| 101 | | rweng10 | SubLotNumberText | Annotation:Text:Subdivision: Lot Numbers | 5 | 0 / Continuous | 1 |
| X | | rweng10 | SubSingleArrow | Annotation:Subdivision: Boundary Arrows <----> | 5 | RW-Subdiv-Single / Continuous | 1 |
| X | | rweng10 | SubSingleLTArrow | Annotation:Subdivision: Boundary Arrows Single Left <---- | 5 | RW-Subdiv-SingleLeft / Continuous | 1 |
| X | | rweng10 | SubSingleRTArrow | Annotation:Subdivision: Boundary Arrows Single Right ----> | 5 | RW-Subdiv-SingleRight / Continuous | 1 |
| X | | rweng10 | SubTwoLTArrow | Annotation:Subdivision: Boundary Arrows Two Left <<----> | 5 | RW-Subdiv-DoubleLeft / Continuous | 1 |
| X | | rweng10 | SubTwoLTOnlyArrow | Annotation:Subdivision: Boundary Arrows Two Left Only <<---- | 5 | RW-Subdiv-DoubleLeftOnly / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|---------|-----------------------|--|---------------|--|----------------|
| X | | rweng10 | SubTwoRTArrow | Annotation:Subdivision: Boundary Arrows Two Right <---->> | 5 | RW-Subdiv-DoubleRight / Continuous | 1 |
| X | | rweng10 | SubTwoRTOnlyArrow | Annotation:Subdivision: Boundary Arrows Two Right Only ---->> | 5 | RW-Subdiv-DoubleRightOnly / Continuous | 1 |
| X | B | rweng10 | SubVacOrigLotLeader | Annotation:Leader:Subdivision:Lines & Vacated / Original Lot Lines (Existing) | 5 | RW-Leader / Continuous | 0 |
| X | | rweng10 | SubVacOrigLotLine | Existing:Subdivision Vacated or Original Lot Line | 5 | 5 / DGN5 | 0 |
| X | | rweng10 | SubVacOrigLotStaTie | Annotation:Station Tie:Subdivision Vacated & Original Lot | 5 | RW-ArrowTie / Continuous | 0 |
| X | B | rweng10 | SUEL_TIITF_Leader | Annotation:Leader:DEP:TIITF:Safe Upland Elevation Lines or Jurisdictional Lines | 2 | RW-Leader / Continuous | 2 |
| X | | rweng10 | SUEL_TIITF_Line | DEP:TIITF:Safe Upland Elevation Lines or Jurisdictional Lines established by DEP methodology | 2 | RW-PerpetualEasement | 3 |
| X | | rweng10 | SUEL_TIITF_StaTie | Annotation:Station Tie:DEP:TIITF:Safe Upland Elevation Lines or Jurisdictional Lines | 2 | RW-ArrowTie / Continuous | 2 |
| 101 | | rweng10 | SUEL_TIITF_Text | Annotation:Text:DEP:TIITF:Safe Upland Elevation Lines or Jurisdictional Lines | 2 | 0 / Continuous | 2 |
| X | | rweng10 | SUEL_TIITF_WidthArrow | Annotation:Arrow:DEP:TIITF:Safe Upland Elevation Lines or Jurisdictional Lines | 2 | RW-Dimension-Type2 / Continuous | 2 |
| | A | rweng10 | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| 101 | | rweng10 | TabOwnshpText | Annotation:Text:Miscellaneous: Table of Ownerships | 0 | 0 / Continuous | 1 |
| | | rweng10 | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | rweng10 | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| X | | rweng10 | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| X | | rweng10 | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| X | | rweng10 | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| X | | rweng10 | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| X | | rweng10 | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| X | | rweng10 | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | rweng10 | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| 101 | | rweng10 | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| X | | rweng10 | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| X | | rweng10 | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | rweng10 | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | rweng10 | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| X | | rweng10 | TopoMisc_ep | Topography (Miscellaneous) (Existing) | 0 | 3 / DGN3 | 1 |
| 101 | | rweng10 | TopoText_ep | Annotation:Text:Miscellaneous: All Other Topographic Element Labels (Reference Files) | 0 | 0 / Continuous | 0 |
| | A | rweng10 | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | rweng10 | WaterEdge | Annotation:Mapping Boundary for Rivers, Streams, or Lakes | 7 | RW-WaterMapBoundary / Continuous | 0 |
| | A | rweng10 | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rweng10 | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rweng10 | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | rweng10 | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |

SPST10 - Structures

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------------|--|---------------|-------------------------|----------------|
| 100 | | spst10 | ActivePts-ConstElements | Active Points & Drawing Construction Elements | 99 | 0 / Continuous | 0 |
| 100 | B | spst10 | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| 100 | | spst10 | AppSlabConc | Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | AppSlabConc_h | Concrete Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | ArchBlocks | Architectural Blocks | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | BaseLineSurveyPGL | Baseline Survey or Profile Grade Line | 3 | 6 / DGN6 | 0 |
| 100 | | spst10 | BeamConc | Beams Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | BeamConc_h | Beams Concrete Hidden | 2 | 2 / DGN2 | 2 |
| | | spst10 | Bearings | Pot, Rocker, Masonry Plates | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | Bolts | Misc Bolts for Details | 6 | 0 / Continuous | 0 |
| 100 | | spst10 | Bolts_h | Misc Bolts for Details - Hidden | 6 | 1 / DGN1 | 0 |
| 100 | | spst10 | Border | Border Elements & Text | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | Casework | Casework | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Casework_h | Casework Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | Ceiling | Ceiling | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | Ceiling_h | Ceiling Hidden | 0 | 3 / DGN3 | 0 |
| 100 | | spst10 | CL_ConsSurvey | Centerline Construction or Centerline Survey | 3 | 7 / DGN7 | 0 |
| 100 | | spst10 | CL_Major | Use as needed | 3 | 7 / DGN7 | 0 |
| 100 | | spst10 | CL_Minor | Use as needed | 0 | 4 / DGN4 | 0 |
| 100 | | spst10 | ConcArch_walls | Concrete Architectural Walls | 1 | 0 / Continuous | 2 |
| 100 | | spst10 | ConcArch_walls_h | Concrete Architectural Walls Hidden | 1 | 3 / DGN3 | 1 |
| 100 | | spst10 | CounterWeight | CounterWeight | 2 | 0 / Continuous | 0 |
| 100 | | spst10 | CounterWeight_h | CounterWeight Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | DDConstruction | Dimension Driven Construction Lines | 71 | 0 / Continuous | 0 |
| 100 | | spst10 | DDDimensions | Dimension Driven Dimensions | 71 | 0 / Continuous | 0 |
| 100 | | spst10 | DeckSteel | Steel Grid Bridge Decking | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | Dimension | Dimension Lines | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | Doors | Doors | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Doors_h | Doors Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | DrainDeck | Scuppers, Deck Inlets | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | DrainMisc | Drainage Items (Miscellaneous) | 10 | 0 / Continuous | 1 |
| 100 | | spst10 | DrainPipe | Drain Pipes PVC, Galvanized | 10 | 0 / Continuous | 1 |
| 100 | | spst10 | DrShaftConc | Drilled Shaft Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | DrShaftConc_h | Drilled Shaft Concrete Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | ElectricalConduit | Electrical Conduit | 7 | 0 / Continuous | 0 |
| 100 | | spst10 | ExistingMisc | Existing Misc. | 3 | 1 / DGN1 | 0 |
| 100 | | spst10 | ExistingRebar | Existing Reinforcing | 84 | 1 / DGN1 | 0 |
| 100 | | spst10 | ExistingUtility | Existing Utilities Electrical; FOC, Telephone, CableTV etc. | 86 | 1 / DGN1 | 0 |
| 100 | | spst10 | ExistSubStruct | Existing Bridge Substructure, Piers & Bents; Existing Piling | 5 | 1 / DGN1 | 0 |
| 100 | | spst10 | ExistSuperStruct | Existing Bridge Superstructure: Existing Beams & Diaphragms | 5 | 1 / DGN1 | 0 |
| | | spst10 | Ext_Misc | Exterior Miscellaneous | 3 | 0 / Continuous | 0 |
| | | spst10 | Ext_Misc_h | Exterior Miscellaneous Hidden | 3 | 3 / DGN3 | 0 |
| 100 | | spst10 | Ext_Ornimental | Exterior Ornimentation | 6 | 0 / Continuous | 0 |
| 100 | | spst10 | Ext_Ornimental_h | Exterior Ornimentation Hidden | 6 | 3 / DGN3 | 0 |
| 100 | | spst10 | Fascia | Fascia | 4 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| 100 | | spst10 | Fascia_h | Fascia Hidden | 4 | 3 / DGN3 | 0 |
| 100 | | spst10 | FencePosts | Bridge Mounted Chain Link Fencing | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | Fencing | Bridge Mounted Chain Link Fencing | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | Fire_Equipment | Fire Equipment | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Fire_Equipment_h | Fire Equipment Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | Floor | Floor | 3 | 0 / Continuous | 2 |
| 100 | | spst10 | Floor_h | Floor Hidden | 3 | 3 / DGN3 | 1 |
| 100 | | spst10 | Furniture | Furniture | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Furniture_h | Furniture Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | Glazing | Glazing | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Glazing_h | Glazing Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | GroundLines | Proposed; Existing | 2 | 0 / Continuous | 1 |
| | | spst10 | GSBWFill | GuidSign Black and White Fill Level for GuidSign Cells | 0 | 0 / Continuous | 1 |
| | | spst10 | GSColorFill | GuidSign Color Fill Level for GuidSign Cells | 2 | 0 / Continuous | 1 |
| | | spst10 | GSDims | GuidSign Dimensions | 0 | 0 / Continuous | 1 |
| | | spst10 | GSOuline | GuidSign Outline Level for GuidSign Cells | 0 | 0 / Continuous | 2 |
| | | spst10 | GSSign | GuidSign Panel and Tag | 7 | 0 / Continuous | 0 |
| 100 | | spst10 | Guardrail | Guardrail and Post, Thrie and W Beam | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Guardrail_h | Guardrail and Post, Thrie and W Beam -Hidden | 1 | 1 / DGN1 | 1 |
| 100 | | spst10 | Gypsum_board | Gypsum Board | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | Gypsum_board_h | Gypsum Board Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | HVAC_Equip | HVAC Equipment | 5 | 0 / Continuous | 2 |
| 100 | | spst10 | HVAC_Equip_h | HVAC Equipment Hidden | 5 | 5 / DGN5 | 1 |
| 100 | | spst10 | HVAC_Misc | HVAC Miscellaneous | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | HVAC_Misc_h | HVAC Miscellaneous Hidden | 3 | 5 / DGN5 | 0 |
| 100 | | spst10 | HVAC_Return | HVAC Return | 5 | 0 / Continuous | 2 |
| 100 | | spst10 | HVAC_Return_h | HVAC Return Hidden | 5 | 2 / DGN2 | 1 |
| 100 | | spst10 | HVAC_Supply | HVAC Supply | 5 | 0 / Continuous | 2 |
| 100 | | spst10 | HVAC_Supply_h | HVAC Supply Hidden | 5 | 3 / DGN3 | 1 |
| 100 | | spst10 | Insulation | Insulation | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | Insulation_h | Insulation Hidden | 3 | 3 / DGN3 | 0 |
| 100 | | spst10 | Int_Mis_h | Interior Miscellaneous Hidden | 3 | 3 / DGN3 | 0 |
| 100 | | spst10 | Int_Misc | Interior Miscellaneous | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | Leader | Leader lines, Weld Symbols | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | LeafSteel | Leaf Structural Steel | 6 | 0 / Continuous | 0 |
| 100 | | spst10 | LeafSteel_h | Leaf Structural Steel Hidden | 6 | 2 / DGN2 | 2 |
| 100 | | spst10 | Lighting | Lighting Bridge/Sign Mounted | 31 | 0 / Continuous | 0 |
| 100 | | spst10 | Lighting_h | Lighting Bridge/Sign Mounted Hidden | 31 | 2 / DGN2 | 0 |
| 100 | | spst10 | LightingArch | Lighting Architectural | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | LightingArch_h | Lighting Architectural | 0 | 0 / Continuous | 2 |
| 100 | | spst10 | MachineCompFixed | Machinery Components Fixed | 7 | 0 / Continuous | 2 |
| 100 | | spst10 | MachineCompFixed_h | Machinery Components Fixed Hidden | 7 | 2 / DGN2 | 1 |
| 100 | | spst10 | MachineCompMoving | Machinery Components Moving | 3 | 0 / Continuous | 2 |
| 100 | | spst10 | MachineCompMovng_h | Machinery Components Moving Hidden | 3 | 2 / DGN2 | 1 |
| 100 | | spst10 | MachineWeldments | Machine Weldments | 4 | 0 / Continuous | 2 |
| 100 | | spst10 | MachineWeldments_h | Machine Weldments Hidden | 4 | 2 / DGN2 | 1 |
| 100 | | spst10 | Masonry | Masonry | 3 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| 100 | | spst10 | Masonry_h | Masonry Hidden | 3 | 3 / DGN3 | 0 |
| 100 | | spst10 | Metal Framing | Metal Framing | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | Metal Framing_h | Metal Framing | 4 | 3 / DGN3 | 0 |
| | | spst10 | Miscellaneous | No defined symbology | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | NavLight | Navigational Lights | 7 | 0 / Continuous | 0 |
| 100 | | spst10 | NavLight_h | Navigational Lights Hidden | 7 | 2 / DGN2 | 0 |
| | | spst10 | PadMisc | Bearing/Misc Pads | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | ParapetConc | Parapet Concrete | 2 | 0 / Continuous | 3 |
| | | spst10 | Patterning | All; any | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| 100 | | spst10 | PedRail | Pedestrian Rail, Bullet,Picket and Guidrail | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | PedRailMisc | Handrail Hardware Bullet,Picket and Guidrail | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | PileConc | Piles Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | PileConc_h | Piles Concrete Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | PilePlastic | Pile Plastic | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | PilePlastic_h | Pile Plastic Hidden | 1 | 2 / DGN2 | 2 |
| 100 | | spst10 | PileSteel | Piles Steel H-Piles & Pipe | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | PileSteel_h | Piles Steel H-Piles & Pipe Hidden | 6 | 2 / DGN2 | 1 |
| 100 | | spst10 | PileTimber | Pile Timber | 142 | 0 / Continuous | 1 |
| 100 | | spst10 | PileTimber_h | Pile Timber Hidden | 142 | 2 / DGN2 | 1 |
| 100 | | spst10 | PipeHydraulic | Hydraulic Pipe | 7 | 0 / Continuous | 1 |
| 100 | | spst10 | PipeHydraulic_h | Hydraulic Pipe Hidden | 7 | 2 / DGN2 | 0 |
| 100 | | spst10 | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| 100 | | spst10 | Plumbing_Fixtures | Plumbing Fixtures | 1 | 0 / Continuous | 2 |
| 100 | | spst10 | Plumbing_Fixtures_h | Plumbing Fixtures Hidden | 1 | 5 / DGN5 | 1 |
| 100 | | spst10 | Plumbing_Supply | Plumbing Supply | 1 | 0 / Continuous | 2 |
| 100 | | spst10 | Plumbing_Supply_h | Plumbing Supply Hidden | 1 | 3 / DGN3 | 1 |
| 100 | | spst10 | Plumbing_Waste | Plumbing Waste | 1 | 0 / Continuous | 2 |
| 100 | | spst10 | Plumbing_Waste_h | Plumbing Waste Hidden | 1 | 2 / DGN2 | 1 |
| 100 | | spst10 | PostTension | Post-Tensioning SteelStrands and Bars | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | PostTension_h | Post-Tensioning Steel HiddenStrands and Bars | 6 | 2 / DGN2 | 1 |
| | | spst10 | PostTension2 | Post-Tensioning SteelStrands and Bars | 46 | 0 / Continuous | 1 |
| | | spst10 | PostTension2_h | Post-Tensioning SteelStrands and Bars | 46 | 0 / Continuous | 1 |
| | | spst10 | PostTension3 | Post-Tensioning SteelStrands and Bars | 46 | 0 / Continuous | 1 |
| | | spst10 | PostTension3_h | Post-Tensioning SteelStrands and Bars | 46 | 0 / Continuous | 1 |
| 100 | | spst10 | PostTensionDucts | Post Tension Ducts Plastic and Metal | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | PostTensionGrout | Post Tension Grout | 2 | 0 / Continuous | 1 |
| 100 | | spst10 | PostTensionMisc | Post Tensioning Hardware, Trumpets, Vents and Misc. Items | 1 | 0 / Continuous | 1 |
| 100 | | spst10 | PrestressSteel | Prestressing Steel | 36 | 0 / Continuous | 1 |
| 100 | | spst10 | PrestressSteel_h | Prestressing Steel Hidden | 36 | 2 / DGN2 | 1 |
| 100 | | spst10 | RailingArch | Railing Architectural | 6 | 0 / Continuous | 2 |
| 100 | | spst10 | RailingArch_h | Railing Architectural Hidden | 6 | 3 / DGN3 | 1 |
| 100 | | spst10 | RailRoad | Rail road | 3 | RD-Railroad-Existing | 0 |
| 100 | | spst10 | Rebar | Reinforcing Major | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar_h | Reinforcing Hidden | 4 | 2 / DGN2 | 1 |
| | | spst10 | Rebar10 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar11 | Auxillary Rebar | 4 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|---------------------------------|----------------|
| | | spst10 | Rebar2 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar3 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar4 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar5 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar6 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar7 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar8 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| | | spst10 | Rebar9 | Auxillary Rebar | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | Roof_Misc | Roof Miscellaneous | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | Roof_Misc_h | Roof Miscellaneous Hidden | 3 | 2 / DGN2 | 0 |
| 100 | | spst10 | Roof_Structure | Roof Structure | 4 | 0 / Continuous | 2 |
| 100 | | spst10 | Roof_Structure_h | Roof Structure Hidden | 4 | 3 / DGN3 | 1 |
| 100 | | spst10 | Roofing | Roofing | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | Roofing_h | Roofing Hidden | 4 | 2 / DGN2 | 0 |
| 100 | | spst10 | RW_Line | Right of Way lines | 3 | { Chain Double-Dash } / Phantom | 1 |
| 100 | | spst10 | SchemElectric | Electrical Schematic | 7 | 0 / Continuous | 1 |
| 100 | | spst10 | SchemElectricProp | Electrical Schematic Proposed | 7 | 0 / Continuous | 1 |
| 100 | | spst10 | SchemHydraulicAux | Hydraulic Schematic Auxillary | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | SchemHydraulicMain | Hydraulic Schematic Main | 7 | 0 / Continuous | 1 |
| 100 | | spst10 | SchemTextLine | Schematic Text Line | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | SchemTextRung | Schematic Text Rung | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | SheetPileConc | Wall Sheet Precast | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | SheetPileConc_h | Wall Sheet Precast Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | SheetPileSteel | Wall Sheet Pile Steel | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | SheetPileSteel_h | Wall Sheet Pile Steel Hidden | 6 | 2 / DGN2 | 2 |
| 100 | | spst10 | Signage | Bridge Mounted Signs and Cantilever Sign Structures | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | Signage_h | Bridge Mounted Signs and Cantilever Sign Structures Hidden | 6 | 2 / DGN2 | 1 |
| 100 | | spst10 | SignageArch | Signage Architectural | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | SignageArch_h | Signage Architectural Hidden | 0 | 3 / DGN3 | 0 |
| 100 | | spst10 | SignMisc | Sign Miscellaneous Plates and Hardware | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | SignMisc_h | Sign Miscellaneous Plates and Hardware Hidden | 3 | 2 / DGN2 | 1 |
| 100 | | spst10 | SlopeProtection | Sand Cement Riprap, Slope Pavement; Rubble Riprap | 3 | 0 / Continuous | 3 |
| 100 | | spst10 | SlopeProtection_h | Sand Cement Riprap, Slope Pavement; Rubble Riprap Hidden | 3 | 2 / DGN2 | 3 |
| 100 | | spst10 | Soffit | Soffit | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | Soffit_h | Soffit Hidden | 4 | 3 / DGN3 | 0 |
| 100 | | spst10 | Stairs | Stairs | 6 | 0 / Continuous | 2 |
| 100 | | spst10 | Stairs_h | Stairs Hidden | 6 | 3 / DGN3 | 1 |
| 100 | | spst10 | SteelArch_Misc | Steel Architectural Miscellaneous | 4 | 0 / Continuous | 1 |
| 100 | | spst10 | SteelArch_Misc_h | Steel Architectural Miscellaneous Hidden | 4 | 3 / DGN3 | 0 |
| 100 | | spst10 | SteelDiapXFram | Steel Diaphragms and Cross Frames | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | SteelDiapXFram_h | Steel Diaphragms and Cross Frams Hidden | 6 | 2 / DGN2 | 0 |
| 100 | | spst10 | SteelGirder | Steel Girder, Stringers, Trusses | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | SteelGirder_h | Steel Girder Stringers, Trusses Hidden, | 6 | 2 / DGN2 | 0 |
| 100 | | spst10 | SteelMisc | Steel Miscellaneous Stiffeners, Plates, Bolts etc. | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | SteelMisc_h | Steel Miscellaneous Hidden Stiffeners, Plates, Bolts etc. | 6 | 2 / DGN2 | 0 |
| | | spst10 | StrMisc | Structural Miscellaneous | 3 | 0 / Continuous | 1 |
| | | spst10 | StrMisc_h | Structural Miscellaneous Hidden | 3 | 2 / DGN2 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | | spst10 | StrMiscConc | Structural Miscellaneous Concrete | 2 | 0 / Continuous | 3 |
| | | spst10 | StrMiscConc_h | Structural Miscellaneous Concrete Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | Stucco | Stucco | 1 | 0 / Continuous | 0 |
| 100 | | spst10 | Stucco_h | Stucco Hidden | 1 | 3 / DGN3 | 0 |
| 100 | | spst10 | SubStrConc | Substructure Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | SubStrConc_h | Substructure Concrete Hidden | 2 | 2 / DGN2 | 3 |
| 100 | | spst10 | SubStrConc2 | Substructure Concrete Misc | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | SubStrConc2_h | Substructure Concrete Misc Hidden | 2 | 2 / DGN2 | 3 |
| 100 | | spst10 | SupstrConc | Concrete Deck, Segmental Box | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | SupstrConc_h | Concrete Deck, Segmental BoxHidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | SupstrConc2 | Concrete Diaphragms, etc | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | SupstrConc2_h | Concrete Diaphragms, etc Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | Symbols | All Symbols not covered by Structures Site Menu | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | SymbolsElectric | Electrical Symbols | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | Tables | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | TextNotes | Text - Notes | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | TextRdwyInitials | Text - Roadway Initials | 0 | 0 / Continuous | 1 |
| 100 | | spst10 | TextStructShtNo | Sheet Number for Structures border sheet numbers | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | TextStructures | Structures Text | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | TextStructuresLabel | Used By Sheet Navigator | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | TrafBarrierConc | Traffic Barrier Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | UtilityCableTV | UtilityCableTV | 6 | 0 / Continuous | 0 |
| 100 | | spst10 | UtilityFiberOptics | UtilityFiberOptics | 6 | 0 / Continuous | 0 |
| 100 | | spst10 | UtilityGasMain | UtilityGasMain | 0 | 0 / Continuous | 0 |
| 100 | | spst10 | UtilityPower | UtilityPower | 2 | 0 / Continuous | 0 |
| 100 | | spst10 | UtilitySewer | UtilitySewer | 3 | 0 / Continuous | 0 |
| 100 | | spst10 | UtilityTelephone | UtilityTelephone | 6 | 0 / Continuous | 0 |
| 100 | | spst10 | UtilityWater | UtilityWater | 7 | 0 / Continuous | 0 |
| | A | spst10 | Viewport | Viewport (for AutoCAD use) | 3 | 0 / Continuous | 0 |
| 100 | | spst10 | Walkways-Ladders | Steel Ladder & Walkway Components; Timber, Steel, Plastic Landings & Catwalks | 6 | 0 / Continuous | 1 |
| 100 | | spst10 | WallConc | Wall Coping Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | WallConc_h | Wall Coping Concrete Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | WallHardware | Wall Hardware | 3 | 0 / Continuous | 0 |
| 100 | | spst10 | WallMSEPanel | Wall MSE Panels | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | WallMSEPanel_h | Wall MSE Panels Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | WallsArch | Interior Walls | 6 | 0 / Continuous | 2 |
| 100 | | spst10 | WallsArch_h | Interior Walls Hidden | 6 | 3 / DGN3 | 1 |
| 100 | | spst10 | WallSoundConc | Precast Soundwall Concrete | 2 | 0 / Continuous | 3 |
| 100 | | spst10 | WallSoundConc_h | Precast Soundwall Concrete Hidden | 2 | 2 / DGN2 | 2 |
| 100 | | spst10 | WallTempCritical | Wall Temporary Critical | 3 | 0 / Continuous | 1 |
| 100 | | spst10 | WallTempCritical_h | Wall Temporary CriticalHidden | 3 | 2 / DGN2 | 1 |
| 100 | | spst10 | WaterLines | Water Line, Symbol | 15 | 0 / Continuous | 1 |
| 100 | | spst10 | Whaler | Whalers, Timber,Plastic | 142 | 0 / Continuous | 1 |
| 100 | | spst10 | Windows | Windows | 3 | 0 / Continuous | 2 |
| 100 | | spst10 | Windows_h | Windows Hidden | 3 | 3 / DGN3 | 1 |
| 100 | | spst10 | Wood | Wood | 142 | 0 / Continuous | 1 |
| 100 | | spst10 | Wood_h | Wood Hidden | 142 | 3 / DGN3 | 0 |

SURVRD - Survey Development Model

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point /Line | Feature Code |
|----------|----------|--------|--------------------|--|---------------|----------------------------|----------------|-------------|--------------|
| | | survrd | ArchSite_ep | Archeological Site (Existing) | 2 | 0 / Continuous | 1 | L | ARST |
| | | survrd | Attenuator_ep | Attenuator Systems (Existing) | 0 | 0 / Continuous | 1 | L | ATTN |
| | | survrd | BankMent_ep | Embankment (Manmade, Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 | L | BNK |
| | | survrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 | L | BL |
| | | survrd | Basins_ep | Sediment Basin, Retention Pond (Existing) | 10 | 3 / DGN3 | 1 | L | BAS |
| | | survrd | Beacons_ep | Beacons and Path Illumination (Existing) | 0 | 0 / Continuous | 1 | P | BN |
| | | survrd | BLSurveyCntrl_ep | Baseline Survey Control (Existing) | 0 | 0 / Continuous | 2 | L | BLC |
| | | survrd | BLSurveyField_ep | Baseline Field Survey (Calculated from BLC) (Existing) | 0 | 0 / Continuous | 2 | L | BL |
| | | survrd | BLSurveySymb_ep | Baseline Survey Symbol (Existing) | 0 | 0 / Continuous | 0 | | |
| | | survrd | Bollard_ep | Bollards (Existing) | 0 | 2 / DGN2 | 1 | P | BOL |
| | | survrd | BoxCulvert_ep | Box Culvert (Existing) | 10 | 3 / DGN3 | 1 | L | BXC |
| | | survrd | Bridge_ep | Bridge Approaches and Slabs (Existing) | 0 | 3 / DGN3 | 1 | L | APRS |
| | | survrd | BridgeEle_ep | Bridge Elements (Existing) | 0 | 1 / DGN1 | 0 | L | BRDG |
| X | | survrd | Building_ep | Buildings (Existing) | 1 | 0 / Continuous | 0 | L | BLDG |
| | | survrd | BusStop_ep | Bench, Bus Stop (Existing) | 8 | 1 / DGN1 | 0 | P | BNCH |
| | | survrd | CableBarrier_ep | Cable Barrier (Existing) | 0 | RD-CableBarrier | 1 | L | CBR |
| | | survrd | Canal_ep | Canal, Lock (Existing) | 7 | 3 / DGN3 | 0 | L | CAN |
| | | survrd | CattleGuard_ep | Cattle Guard (Existing) | 7 | 1 / DGN1 | 0 | P | CGD |
| | | survrd | CATVAer_ep | Cable TV Line (Aerial) (Existing) | 6 | UT-OverheadCable-Existing | 1 | L | CATV |
| | | survrd | CATVBurB_ep | Cable TV Line Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 | L | BCATVB |
| | | survrd | CATVBurC_ep | Cable TV Line Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 | L | BCATVC |
| | | survrd | CATVBurD_ep | Cable TV Line Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 | L | BCATVD |
| | | survrd | CATVCondBurB_ep | Cable TV Conduit System Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 | L | CATVCB |
| | | survrd | CATVCondBurC_ep | Cable TV Conduit System Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 | L | CATVCC |
| | | survrd | CATVCondBurD_ep | Cable TV Conduit System Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 | L | CATVCD |
| | | survrd | CATVMisc_ep | Cable TV Service Box and Miscellaneous, Pole (Existing) | 6 | 1 / DGN1 | 1 | P | CATVS |
| | | survrd | CGBack_ep | Curb and Gutter (Back) (Existing) | 4 | 3 / DGN3 | 0 | L | CGB |
| | | survrd | CGep_ep | Curb / Curb and Gutter (at EP & FL) (Existing) | 0 | 3 / DGN3 | 0 | L | CG |
| | | survrd | CGFace_ep | Face of Curb and Gutter (Existing) | 4 | 3 / DGN3 | 0 | L | CGF |
| | | survrd | ConcSlabs_ep | Concrete Slabs (Existing) | 0 | 1 / DGN1 | 1 | L | CSL |
| | | survrd | ConduitB_ep | Utility Conduit & Encasements Quality Level B Locate (Existing) | 3 | UT-Casing-Existing(B) | 1 | L | DUCTB |
| | | survrd | ConduitC_ep | Utility Conduit & Encasements Quality Level C Locate (Existing) | 3 | UT-Casing-Existing(C) | 1 | L | DUCTC |
| | | survrd | ConduitD_ep | Utility Conduit & Encasements Quality Level D Locate (Existing) | 3 | UT-Casing-Existing(D) | 1 | L | DUCTD |
| | | survrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 | | |
| | | survrd | Core_ep | Core Sample or Test Hole (Existing) | 9 | 0 / Continuous | 0 | P | CSH |
| | | survrd | CrossDrain_ep | Underdrains and Cross Drains (Existing) | 10 | 3 / DGN3 | 1 | L | UD |
| | | survrd | CurbRamp_ep | Curb Cut Ramp (Existing) | 2 | 3 / DGN3 | 0 | L | CCR |
| | | survrd | CurbRampWarning_ep | Detectable Warnings on Curb Ramps (Existing) | 4 | 3 / DGN3 | 0 | L | CRW |
| | | survrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 | | |
| | | survrd | Deck_ep | Deck / Porch (Existing) | 7 | 1 / DGN1 | 0 | L | DECK |
| | | survrd | DelineatorPost_ep | Delineator Post, Existing Metal and Flexible (Existing) | 4 | 1 / DGN1 | 1 | P | DLP |
| | | survrd | Ditch_ep | Ditch (Top, Bottom and Flow Lines) (Existing) | 7 | 6 / DGN6 | 0 | L | DTCH |
| | | survrd | DitchPavt_ep | Ditch Pavement (Existing) | 0 | 1 / DGN1 | 0 | L | DTCHP |
| | | survrd | Docks_ep | Docks and Wharfs (Existing) | 0 | 1 / DGN1 | 0 | L | DOCK |
| | | survrd | Dolphins_ep | Dolphins and Fenders (Existing) | 7 | 1 / DGN1 | 0 | P | DF |
| | | survrd | DrainMisc_ep | Catch Basins (Existing) | 10 | 3 / DGN3 | 1 | L | CB |
| | | survrd | DrainMisc_ep | Drainage Pipes and Spouts (Existing) | 10 | 3 / DGN3 | 1 | L | DRNP |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|-----------------|---|---------------|---------------------------|----------------|--------------|--------------|
| | | survrd | DrainMisc_ep | Drainage Junction Box (Existing) | 10 | 3 / DGN3 | 1 | L | JB |
| | | survrd | DrainMisc_ep | Special Drainage Feature (Describe) (Existing) | 10 | 3 / DGN3 | 1 | L | SPD |
| | | survrd | DrainMisc_ep | Spillways, Flumes or Scuppers (Existing) | 10 | 3 / DGN3 | 1 | L | SPL |
| | | survrd | DrainMisc_ep | Yard Drain (Existing) | 10 | 3 / DGN3 | 1 | L | YD |
| | | survrd | Driveway_ep | Driveway (Drive, Lane, Turnouts) (Existing) | 7 | 3 / DGN3 | 0 | L | DWY |
| X | | survrd | DTM_ex | Digital Terrain Model on Cross Sections (Existing) | 2 | 2 / DGN2 | 1 | | |
| X | | survrd | DTMVertices_ep | Digital Terrain Model, Triangle Vertices (Existing) | 0 | 0 / Continuous | 1 | | |
| | | survrd | DummyChains_ep | Dummy Chains (Existing) | 0 | 0 / Continuous | 1 | L | DUMB |
| X | | survrd | EaseLine_ep | Easement Lines (Existing) | 1 | RW-Easement | 1 | | |
| X | | survrd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 1 | | |
| X | | survrd | EaseTempLine_ep | Easement Lines Temporary (Existing) | 6 | RW-TemporaryEasement | 1 | | |
| | | survrd | ElecAer_ep | High Voltage Transmission Line (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | HVL |
| | | survrd | ElecAer_ep | Electrical Lines (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | PWR |
| | | survrd | ElecAerPri_ep | Conductors (Primary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | PRI |
| | | survrd | ElecAerSec_ep | Conductors (Secondary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | SEC |
| | | survrd | ElecBurB_ep | Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 | L | BPWRB |
| | | survrd | ElecBurC_ep | Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 | L | BPWRC |
| | | survrd | ElecBurCap_ep | Capacitors (Buried) (Existing) | 3 | 1 / DGN1 | 1 | L | CAPB |
| | | survrd | ElecBurD_ep | Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 | L | BPWRD |
| | | survrd | ElecBurPriB_ep | Conductors (Primary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 | L | TRANSB |
| | | survrd | ElecBurPriC_ep | Conductors (Primary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 | L | TRANSC |
| | | survrd | ElecBurPriD_ep | Conductors (Primary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 | L | TRANSD |
| | | survrd | ElecBurSecB_ep | Conductor (Secondary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 | L | BSECB |
| | | survrd | ElecBurSecC_ep | Conductor (Secondary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 | L | BSECC |
| | | survrd | ElecBurSecD_ep | Conductor (Secondary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 | L | BSECD |
| | | survrd | ElecMisc_ep | Capacitors (Above Ground) (Existing) | 3 | 1 / DGN1 | 1 | L | CAPA |
| | | survrd | ElecMisc_ep | Electric Service Box (Large) (Existing) | 3 | 1 / DGN1 | 1 | L | ELECS |
| | | survrd | ElecMisc_ep | Fuses (Existing) (Existing) | 3 | 1 / DGN1 | 1 | L | FUSE |
| | | survrd | ElecMisc_ep | Switchgear & Appurtenances (Existing) | 3 | 1 / DGN1 | 1 | L | SW |
| | | survrd | ElecMisc_ep | Transformer (Existing) | 3 | 1 / DGN1 | 1 | P | TRNF |
| | | survrd | ElecOutlet_ep | Electrical Outlet (Existing) | 3 | 1 / DGN1 | 1 | P | ELEO |
| | | survrd | EndTreat_ep | Flared End Section (Existing) | 10 | 3 / DGN3 | 1 | L | FES |
| | | survrd | EndTreat_ep | Mitered End Section (Existing) | 10 | 3 / DGN3 | 1 | L | MES |
| | | survrd | EndTreat_ep | Straight Endwall (Existing) | 10 | 3 / DGN3 | 1 | L | SEW |
| | | survrd | EndTreat_ep | Special Endwall (Existing) | 10 | 3 / DGN3 | 1 | L | SPEW |
| | | survrd | EndTreat_ep | U-Type Endwall (Existing) | 10 | 3 / DGN3 | 1 | L | UEW |
| | | survrd | EndTreat_ep | Winged End wall (Existing) | 10 | 3 / DGN3 | 1 | L | WEW |
| | | survrd | Fence_ep | Fence (All) (Existing) | 6 | RD-Fence | 0 | L | FNC |
| | | survrd | FireHydrant_ep | Fire Hydrant (Existing) | 1 | 1 / DGN1 | 1 | P | FH |
| | | survrd | FloodLight_ep | Flood Light (Existing) | 3 | 1 / DGN1 | 1 | P | FLD |
| X | | survrd | FlowArrow_ep | Digital Terrain Model, Triangle Flow Arrows (Existing) | 10 | 0 / Continuous | 1 | | |
| | | survrd | FOCAer_ep | Fiber Optics Cable (Aerial) (Existing) | 6 | UT-OverheadFOC-Existing | 1 | L | FOC |
| | | survrd | FOCBurB_ep | Fiber Optics Cable (Underground) Quality Level B Locate | 6 | UT-BuriedFOC(B)-Existing | 1 | L | FOCUB |
| | | survrd | FOCBurB_ep | Fiber Optics Cable (Underground) Quality Level B Locate | 6 | UT-BuriedFOC(B)-Existing | 1 | L | FOTVUB |
| | | survrd | FOCBurB_ep | Fiber Optics Cable (Underground) Quality Level B Locate | 6 | UT-BuriedFOC(B)-Existing | 1 | L | FOUB |
| | | survrd | FOCBurC_ep | Fiber Optics Cable (Underground) Quality Level C Locate | 6 | UT-BuriedFOC(C)-Existing | 1 | L | FOCUC |
| | | survrd | FOCBurC_ep | Fiber Optics Cable (Underground) Quality Level C Locate | 6 | UT-BuriedFOC(C)-Existing | 1 | L | FOTVUC |
| | | survrd | FOCBurC_ep | Fiber Optics Cable (Underground) Quality Level C Locate | 6 | UT-BuriedFOC(C)-Existing | 1 | L | FOUC |
| | | survrd | FOCBurD_ep | Fiber Optics Cable (Underground) Quality Level D Locate | 6 | UT-BuriedFOC(D)-Existing | 1 | L | FOCUD |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|---------------------|--|---------------|---------------------------|----------------|--------------|--------------|
| | | survrd | FOCBurD_ep | Fiber Optics Cable (Underground) Quality Level D Locate | 6 | UT-BuriedFOC(D)-Existing | 1 | L | FOTVUD |
| | | survrd | FOCBurD_ep | Fiber Optics Cable (Underground) Quality Level D Locate | 6 | UT-BuriedFOC(D)-Existing | 1 | L | FOUD |
| | | survrd | FOEElecAer_ep | Fiber Optics Electrical (Aerial) (Existing) | 3 | UT-OverheadFOE-Existing | 1 | L | FOP |
| | | survrd | FOEElecBurB_ep | Fiber Optics Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedFOE(B)-Existing | 1 | L | FOPUB |
| | | survrd | FOEElecBurC_ep | Fiber Optics Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedFOE(C)-Existing | 1 | L | FOPUC |
| | | survrd | FOEElecBurD_ep | Fiber Optics Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedFOE(D)-Existing | 1 | L | FOPUD |
| | | survrd | FOTAer_ep | Fiber Optics Telephone (Aerial) (Size Unknown) (Existing) | 6 | UT-OverheadFOT-Existing | 1 | L | FO |
| | | survrd | FOTBurB_ep | Fiber Optics Telephone Quality Level B Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(B)-Existing | 1 | L | FOUB |
| | | survrd | FOTBurC_ep | Fiber Optics Telephone Quality Level C Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(C)-Existing | 1 | L | FOUC |
| | | survrd | FOTBurD_ep | Fiber Optics Telephone Quality Level D Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(D)-Existing | 1 | L | FOUD |
| | | survrd | Furnace_ep | Incinerator, Boiler, or Furnace (Existing) | 8 | 1 / DGN1 | 0 | P | INCN |
| | | survrd | Gas_ep | Gas Test & Miscellaneous (Existing) | 4 | 1 / DGN1 | 1 | L | GTM |
| | | survrd | GasB_ep | Gas Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Gas-Existing(B) | 1 | L | GASB |
| | | survrd | GasC_ep | Gas Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Gas-Existing(C) | 1 | L | GASC |
| | | survrd | GasD_ep | Gas Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Gas-Existing(D) | 1 | L | GASD |
| | | survrd | GasReg_ep | Gas Regulator (Existing) | 4 | 1 / DGN1 | 1 | L | RG |
| | | survrd | Gates_ep | Gates (Existing) | 7 | 3 / DGN3 | 0 | L | GT |
| | | survrd | Gauges_ep | Gauges (Existing) | 0 | 1 / DGN1 | 1 | L | GA |
| | | survrd | GlareScrn_ep | Glare Screen & Blinds (Existing) | 0 | { curtain } / RD-Curtain | 0 | L | GS |
| | | survrd | GovCityLimitLine_ep | Government:City Limit Line (Existing) | 3 | RW-CityLimit-Type 1 | 0 | | |
| | | survrd | GovCountyLine_ep | Government:County Line (Existing) | 3 | RW-CountyLine | 3 | | |
| | | survrd | GovQuarterLine_ep | Government:Quarter Section Line (Existing) | 3 | RW-QuarterSection | 1 | | |
| X | | survrd | GovSectionLine_ep | Section Lines (Existing) | 10 | RW-SectionLine | 2 | | |
| X | | survrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 | | |
| | | survrd | GroundShot_ep | Ground Shot for Digital Terrain Model Densification (Existing) | 2 | 0 / Continuous | 0 | P | GND |
| | | survrd | GuardrailDbl_ep | Guardrail Double Face (Existing) | 0 | RD-Guardrail-Double | 0 | L | GRDBL |
| | | survrd | GuardrailLt_ep | Guardrail Left (Existing) | 0 | RD-Guardrail-Left | 0 | L | GRL |
| | | survrd | GuardrailRt_ep | Guardrail Right (Existing) | 0 | RD-Guardrail-Right | 0 | L | GRR |
| | | survrd | GuyWire_ep | Guy Anchor (Existing) | 3 | 1 / DGN1 | 1 | P | GYA |
| | | survrd | GuyWire_ep | Guy Pole (Deadman) (Existing) | 3 | 1 / DGN1 | 1 | P | GYP |
| | | survrd | GuyWire_ep | Span Guys (Existing) | 3 | 1 / DGN1 | 1 | L | GYS |
| | | survrd | Hole_ep | Hole (Existing) | 8 | 1 / DGN1 | 0 | P | HOLE |
| | | survrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 | | |
| | | survrd | InletBottom_ep | Drainage Structure Bottoms (Existing) | 10 | 3 / DGN3 | 1 | L | DRNB |
| | | survrd | InletCurb_ep | Curb Inlets (Existing) | 10 | 3 / DGN3 | 1 | L | CINL |
| | | survrd | InletCurb_ep | Median Inlets (Existing) | 10 | 3 / DGN3 | 1 | L | MEDI |
| | | survrd | InletDBI_ep | Ditch Bottom Inlet (Existing) | 10 | 3 / DGN3 | 1 | L | DTCHI |
| | | survrd | InletGutter_ep | Gutter Inlets (All Types) (Existing) | 10 | 3 / DGN3 | 1 | L | GI |
| | | survrd | JunctBox_ep | Junction Box / Service Cabinet (Elec/Tel) (Existing) | 3 | 1 / DGN1 | 1 | P | SRVC |
| | | survrd | LaneLine_ep | Lane Lines – Delineates Travel Lanes (Existing) | 0 | RD-LaneLine-Existing | 1 | L | LL |
| X | | survrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 | | |
| X | | survrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 | | |
| | | survrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 | | |
| | | survrd | LiteCond_ep | Street Lighting Conductors (Existing) | 3 | SG-Conduit-Existing | 0 | L | SLC |
| | | survrd | Luminaire_ep | Street Light / Pole (Existing) | 3 | 1 / DGN1 | 1 | P | LP |
| | | survrd | Mailbox_ep | Mailbox(s) (Existing) | 8 | 1 / DGN1 | 0 | P | MBX |
| | | survrd | ManholeCOMM_ep | Manhole (Communications) (Existing) | 6 | 1 / DGN1 | 1 | P | MHCATV |
| | | survrd | ManholeElec_ep | Manhole (Electric) (Existing) | 3 | 1 / DGN1 | 1 | P | MHE |
| | | survrd | ManholeGas_ep | Manhole (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | MHG |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|--|---------------|--------------------------|----------------|--------------|--------------|
| | | survrd | ManholeSS_ep | Manhole (Sanitary Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | MHS |
| | | survrd | ManholeSW_ep | Manhole (Storm Water) (Existing) | 10 | 1 / DGN1 | 0 | P | MHD |
| | | survrd | ManholeTel_ep | Manhole (Telephone) (Existing) | 6 | 1 / DGN1 | 1 | P | MHT |
| | | survrd | ManholeUnknown_ep | Manhole (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | MH |
| | | survrd | ManholeWater_ep | Manhole (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | MHW |
| | | survrd | MeterElec_ep | Meter (Electric) (Existing) | 3 | 1 / DGN1 | 1 | P | ME |
| | | survrd | MeterElecBur_ep | Meter (Electric) (Buried) (Existing) | 3 | 1 / DGN1 | 1 | P | MEU |
| | | survrd | MeterGas_ep | Meter (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | MG |
| | | survrd | MeterUnk_ep | Meter (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | M |
| | | survrd | MeterWater_ep | Meter (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | MW |
| | | survrd | MiscEquip_ep | Flag Pole (Existing) | 8 | 1 / DGN1 | 0 | P | FP |
| | | survrd | MiscEquip_ep | Parking Meter (Existing) | 8 | 1 / DGN1 | 0 | P | PKG |
| | | survrd | Monument_ep | Aerial Targets (Existing) | 4 | 0 / Continuous | 0 | P | AT |
| | | survrd | Monument_ep | Concrete Monument (Cast) (Existing) | 4 | 0 / Continuous | 0 | P | CMON |
| | | survrd | Monument_ep | Drill Hole, Plug (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | DH |
| | | survrd | Monument_ep | Deep Rod Mark (Existing) | 4 | 0 / Continuous | 0 | P | DRM |
| | | survrd | Monument_ep | 5/8 Rod and Cap (Existing) | 4 | 0 / Continuous | 0 | P | IRC |
| | | survrd | Monument_ep | Nail, Spike, Pin (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | NL |
| | | survrd | Monument_ep | Other Marker? (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | OM |
| | | survrd | Monument_ep | Metal Pipe, Rod, Bar (Control) (Existing) | 4 | 0 / Continuous | 0 | P | PIP |
| | | survrd | Monument_ep | Concrete Monument (Poured) (Existing) | 4 | 0 / Continuous | 0 | P | PMON |
| | | survrd | Monument_ep | Post, Stake, Staub (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | PST |
| | | survrd | Monument_ep | Hub and Tac (Existing) | 4 | 0 / Continuous | 0 | P | SAT |
| | | survrd | Monument_ep | Stamped Disk (Existing) | 4 | 0 / Continuous | 0 | P | STMD |
| | | survrd | Monument_ep | Stamped Plate (Existing) | 4 | 0 / Continuous | 0 | P | STMP |
| | | survrd | Oil_B_ep | Oil Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Petroleum-Existing(B) | 1 | L | PETROB |
| | | survrd | Oil_C_ep | Oil Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Petroleum-Existing(C) | 1 | L | PETROC |
| | | survrd | Oil_D_ep | Oil Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Petroleum-Existing(D) | 1 | L | PETROD |
| | | survrd | ParkEquip_ep | Campstove, Grill, Firepit, BBQ (Existing) | 9 | 2 / DGN2 | 0 | P | CMPST |
| | | survrd | ParkEquip_ep | Playground Equipment (Existing) | 9 | 2 / DGN2 | 0 | P | PLEG |
| | | survrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 | L | XSC |
| | | survrd | Pavemk_ep | Handicap Pavement Marking (Existing) | 0 | 2 / DGN2 | 0 | P | HNDC |
| | | survrd | Pavemk_ep | Pavement Markings (Other) (Existing) | 0 | 2 / DGN2 | 0 | L | PMRK |
| | | survrd | Pavemk_ep | Straight Direction Arrow (Existing) | 0 | 2 / DGN2 | 0 | P | STAROW |
| | | survrd | Pavemk_ep | Straight and Turn Arrow (Existing) | 0 | 2 / DGN2 | 0 | P | STATRN |
| | | survrd | Pavemk_ep | Turn Arrow (Existing) | 0 | 2 / DGN2 | 0 | P | TA |
| | | survrd | PavemkSTL_ep | Straight + Turn Arrow Left | 0 | 2 | 0 | L | STAL |
| | | survrd | PavemkSTR_ep | Straight + Turn Arrow Right | 0 | 2 | 0 | L | STAR |
| | | survrd | PavemkTL_ep | Turn Arrow Left | 0 | 2 | 0 | L | TAL |
| | | survrd | PavemkTR_ep | Turn Arrow Right | 0 | 2 | 0 | L | TAR |
| | | survrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 | L | AP |
| | | survrd | PavtBreak_ep | Existing Pavement Slope Break Line | 0 | 3 | 0 | L | PAVBRK |
| | | survrd | PavtConcJoints_ep | Concrete Pavement (Joints) (Existing) | 1 | 5 / DGN5 | 1 | L | CPVJ |
| | | survrd | PavtConcrete_ep | Concrete Pavement (Edges) (Existing) | 0 | 3 / DGN3 | 1 | L | CPVT |
| | | survrd | PavtCrown_ep | Asphalt Pavement (Crown) (Existing) | 0 | 4 / DGN4 | 1 | L | AC |
| | | survrd | PavtCrown_ep | Concrete Pavement (Crown) (Existing) | 0 | 4 / DGN4 | 1 | L | CPVC |
| | | survrd | PavtMisc_ep | Pavement Parking Lot/Guardrail/Miscellaneous Pavement (Existing) | 7 | 3 / DGN3 | 0 | L | MP |
| | | survrd | PavtTractorXing_ep | Tractor Crossings (Existing) | 0 | 3 / DGN3 | 1 | L | TX |
| | | survrd | PavtXover_ep | Crossovers and Detours (Temporary) (Existing) | 0 | 3 / DGN3 | 0 | L | XO |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|----------------------|--|---------------|-------------------------|----------------|--------------|--------------|
| | | survrd | PedSignal_ep | Pedestrian Signal Unit, Signage (Existing) | 0 | 2 / DGN2 | 0 | P | PS |
| | | survrd | Piling_ep | Piling, Piers, or Column (Existing) | 8 | 3 / DGN3 | 0 | P | PIL |
| | | survrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 | L | PCULV |
| | | survrd | PipeEncaseB_ep | Pipe Encasements Quality Level B Locate (Existing) | 0 | UT-Casing-Existing(B) | 1 | L | PIPENB |
| | | survrd | PipeEncaseC_ep | Pipe Encasements Quality Level C Locate (Existing) | 0 | UT-Casing-Existing(C) | 1 | L | PIPENC |
| | | survrd | PipeEncaseD_ep | Pipe Encasements Quality Level D Locate (Existing) | 0 | UT-Casing-Existing(D) | 1 | L | PIPEND |
| | | survrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 | P | |
| | | survrd | PoleElec_ep | Electrical Pole (Existing) | 3 | 1 / DGN1 | 1 | P | PP |
| | | survrd | PoleElec_ep | Electrical Pole With Transformer (Existing) | 3 | 1 / DGN1 | 1 | P | PPT |
| | | survrd | PoleElec_ep | Shared Pole (Existing) | 3 | 1 / DGN1 | 1 | P | SHP |
| | | survrd | PoleElec_ep | Shared Pole With Transformer (Existing) | 3 | 1 / DGN1 | 1 | P | SHPT |
| | | survrd | PoleTel_ep | Telephone Pole (Existing) | 6 | 1 / DGN1 | 1 | P | TELP |
| X | | survrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 | | |
| | | survrd | PullBox_ep | Wiring Pull Box (Existing) | 3 | 1 / DGN1 | 1 | P | WPB |
| | | survrd | Pump_ep | Pump (Petroleum / Fuel) (Existing) | 7 | 1 / DGN1 | 1 | P | PMPF |
| | | survrd | PumpIsland_ep | Pump Island (Existing) | 7 | 3 / DGN3 | 1 | L | PMPIS |
| | | survrd | PumpNonPet_ep | Pump (Non Petroleum) (Existing) | 1 | 1 / DGN1 | 1 | P | PMP |
| | | survrd | Railing_ep | Railings (All); Piperrail, Guiderail, Handrail Used for Pedestrian and Bicycles (Existing) | 9 | 3 / DGN3 | 0 | L | HNDRL |
| | | survrd | RailroadMisc_ep | Railroad Milepost (Existing) | 11 | 0 / Continuous | 0 | P | RRMP |
| | | survrd | RailroadMisc_ep | Railroad Switch (Existing) | 11 | 0 / Continuous | 0 | P | RRS |
| | | survrd | RailroadMisc_ep | Railroad Warning Sign (Existing) | 11 | 0 / Continuous | 0 | P | RRWS |
| | | survrd | RailroadMisc_ep | Railroad Signal with Gate (Existing) | 11 | 0 / Continuous | 0 | P | SWG |
| | | survrd | RailroadTracks_ep | Railroad Tracks (Rail, Bed) (Existing) | 4 | 3 / DGN3 | 0 | L | RR |
| | | survrd | RailroadXing_ep | Railroad Crossing (Roadway Platforms), Railroad Signal w/ Gate (Existing) | 11 | 3 / DGN3 | 0 | L | RRX |
| X | | survrd | RefPTLine | Survey Reference Point Line / Detail (Miscellaneous) | 0 | 0 / Continuous | 1 | | |
| X | | survrd | RefPTText | Annotation: Text: Survey Data Reference Point (Miscellaneous) | 0 | 0 / Continuous | 1 | | |
| | | survrd | RipRap_ep | Rip Rap, Rubble (Existing) | 4 | 3 / DGN3 | 1 | L | RIP |
| | | survrd | RRBaseline | Baseline:Rail Road Centerline | 4 | 0 / Continuous | 2 | L | RRCL |
| X | | survrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 | | |
| X | | survrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 | | |
| | | survrd | SanitaryFM_B_ep | Force Main (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 | L | FMB |
| | | survrd | SanitaryFM_C_ep | Force Main (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 | L | FMC |
| | | survrd | SanitaryFM_D_ep | Force Main (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 | L | FMD |
| | | survrd | SanitarySewerB_ep | Sanitary Sewer (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 | L | SSB |
| | | survrd | SanitarySewerC_ep | Sanitary Sewer (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 | L | SSC |
| | | survrd | SanitarySewerD_ep | Sanitary Sewer (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 | L | SSD |
| | | survrd | SanitarySewerDSta_ep | Dump Station (SS) (Existing) | 2 | 2 / DGN2 | 1 | P | DMPS |
| | | survrd | SanitarySewerMisc_ep | Cleanout (Existing) | 2 | 1 / DGN1 | 1 | P | CLNO |
| | | survrd | SanitarySewerMisc_ep | Pump Station (Sanitary Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | PMPST |
| | | survrd | SanitarySewerMisc_ep | Sanitary Effluent (Open Channel) (Existing) | 2 | 1 / DGN1 | 1 | L | SE |
| | | survrd | SateDish_ep | Satellite Dish Antenna (Existing) | 6 | 4 / DGN4 | 1 | P | SATD |
| | | survrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 | | |
| | | survrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 | | |
| | | survrd | ShldrPaved_ep | Shoulder Edge (Paved) (Existing) | 1 | 3 / DGN3 | 0 | L | SHLDR |
| | | survrd | ShldrUnpaved_ep | Shoulders (Unpaved) (Existing) | 0 | 3 / DGN3 | 0 | L | UNPS |
| | | survrd | Shrub_ep | Hedges and Shrubs (Boundary) (Existing) | 2 | 0 / Continuous | 0 | L | HED |
| | | survrd | Shrub_ep | Ornamental Plant (Existing) | 2 | 0 / Continuous | 0 | P | OP |
| | | survrd | Shrub_ep | Shrub, Bush (Existing) | 2 | 0 / Continuous | 0 | P | SHR |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|------------------|--|---------------|--------------------------|----------------|--------------|--------------|
| | | survrd | Shrub_ep | Coniferous Shrub (Existing) | 2 | 0 / Continuous | 0 | P | SHRC |
| | | survrd | Shrub_ep | Deciduous Shrub (Existing) | 2 | 0 / Continuous | 0 | P | SHRD |
| | | survrd | SidewalkBack_ep | Back of Sidewalk (Existing) | 2 | 3 / DGN3 | 0 | L | SWKB |
| | | survrd | SidewalkFront_ep | Front of Sidewalk (Existing) | 1 | 3 / DGN3 | 0 | L | SWK |
| | | survrd | Signal_ep | Signal Head (Existing) | 3 | 1 / DGN1 | 1 | P | SIG |
| | | survrd | Signal_ep | Signal on Pedestal (Existing) | 3 | 1 / DGN1 | 1 | P | SIGP |
| | | survrd | SignalLoop_ep | Traffic Detector Loops (Existing) | 7 | 1 / DGN1 | 2 | L | TFD |
| | | survrd | SignalMisc_ep | Signal Equipment Including Control Unit (Miscellaneous) (Existing) | 3 | 2 / DGN2 | 0 | P | SIGC |
| | | survrd | SignalSupport_ep | Signal Supports including Mast Arm (Existing) | 3 | 2 / DGN2 | 0 | P | SMA |
| | | survrd | SignalSupport_ep | Support Mast Arm Extension (Existing) | 3 | 2 / DGN2 | 0 | L | SMAE |
| | | survrd | SignMulti_ep | Multi-column Sign (Large Sign) (Existing) | 0 | 3 / DGN3 | 1 | L | MS |
| | | survrd | SignSingle_ep | Sign (Single Support) (Existing) | 3 | 2 / DGN2 | 0 | P | SSS |
| | | survrd | SignSupport_ep | Trusses and Cantilevers for Overhead Signs (Existing) | 0 | 3 / DGN3 | 1 | L | SGNT |
| | | survrd | Silo_ep | Silo (Existing) | 11 | 2 / DGN2 | 0 | P | SILO |
| | | survrd | Slopes_ep | Levees, Dikes, or Dams (Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 | L | LV |
| | | survrd | Slopes_ep | Natural Slopes (Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 | L | SLP |
| | | survrd | SpanWire_ep | Signal / Span Wire Pole (Existing) | 3 | 2 / DGN2 | 0 | P | SSP |
| | | survrd | SpanWire_ep | Signal / Span Wire Pole (Existing) | 3 | 2 / DGN2 | 0 | L | SSW |
| | | survrd | Sprinkler_ep | Sprinkler Head (Existing) | 1 | 1 / DGN1 | 1 | P | SPH |
| | | survrd | Stairs_ep | Stairways, Steps (Existing) | 0 | 3 / DGN3 | 1 | L | STP |
| | | survrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 | | |
| | | survrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 | | |
| | | survrd | SteamB_ep | Steam Line Quality Level B Locate (Existing) | 4 | UT-Steam-Existing(B) | 1 | L | STEAMB |
| | | survrd | SteamC_ep | Steam Line Quality Level C Locate (Existing) | 4 | UT-Steam-Existing(C) | 1 | L | STEAMC |
| | | survrd | SteamD_ep | Steam Line Quality Level D Locate (Existing) | 4 | UT-Steam-Existing(D) | 1 | L | STEAMD |
| | | survrd | StormSewer_ep | Storm Sewer (All Sizes), Drain Pipes and Spouts (Existing) | 10 | 3 / DGN3 | 1 | L | STS |
| | | survrd | Stream_ep | Stream Edge (Existing) | 1 | 3 / DGN3 | 0 | L | STRM |
| | | survrd | Stream_ep | Stream Center (Existing) | 1 | 3 / DGN3 | 0 | L | STRMC |
| | | survrd | StreamMisc_ep | Buoy (Existing) | 7 | 0 / Continuous | 0 | P | BUOY |
| | | survrd | StreamMisc_ep | Stream or Tide Gauge (Existing) | 7 | 0 / Continuous | 0 | P | TG |
| | | survrd | Stump_ep | Stump (Existing) | 2 | 0 / Continuous | 0 | P | STM |
| | | survrd | SU_Misc_ep | Subsurface Utilities (Miscellaneous) (Existing) | 0 | 0 / Continuous | 1 | P | EOI |
| | | survrd | SU_Misc_ep | Subsurface Utilities (Miscellaneous) (Existing) | 0 | 0 / Continuous | 1 | P | QDEL |
| | | survrd | SU_QLA_ep | Subsurface Utility Quality Level A Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLA |
| | | survrd | SU_QLB_ep | Subsurface Utility Quality Level B Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLB |
| | | survrd | SU_QLC_ep | Subsurface Utility Quality Level C Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLC |
| | | survrd | SU_QLD_ep | Subsurface Utility Quality Level D Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLD |
| | | survrd | SU_TestHole_ep | Subsurface Utility Test Hole (QLA Only) (Existing) | 0 | 0 / Continuous | 1 | P | THA |
| | | survrd | SubDivLine | Subdivision Line | 5 | 0 / Continuous | 0 | | |
| | A | survrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 | | |
| | | survrd | TankStor_ep | Storage Tank (Existing) | 11 | 3 / DGN3 | 0 | P | STTK |
| | | survrd | TankUG_ep | Fill Cap (Buried Tank) (Existing) | 3 | 1 / DGN1 | 0 | P | FC |
| | | survrd | TeleAer_ep | Telephone Line (Aerial) (Existing) | 6 | UT-OverheadTel-Existing | 1 | L | TEL |
| | | survrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 | L | BTB |
| | | survrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 | L | BTDB |
| | | survrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 | L | BTTB |
| | | survrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 | L | BTC |
| | | survrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 | L | BTDC |
| | | survrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 | L | BTTC |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|---------------------|---|---------------|--------------------------|----------------|--------------|--------------|
| | | survrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 | L | BTD |
| | | survrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 | L | BTDD |
| | | survrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 | L | BTTD |
| | | survrd | TeleMisc_ep | Telephone Booth (Existing) | 6 | 1 / DGN1 | 1 | P | TB |
| | | survrd | TeleMisc_ep | Telephone Service Box (Large) (Existing) | 6 | 1 / DGN1 | 1 | L | TELS |
| | | survrd | TeleMisc_ep | Telephone Pedestal / Service (Existing) | 6 | 1 / DGN1 | 1 | P | TPD |
| | | survrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 | | |
| | | survrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 | | |
| | | survrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 | | |
| | | survrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 | | |
| | | survrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 | | |
| | | survrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 | | |
| | | survrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 | | |
| | | survrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 | | |
| | | survrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 | | |
| | | survrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 | | |
| | | survrd | TextSurveyLabel | Text Survey Labels | 0 | 0 / Continuous | 0 | P | MISC |
| | | survrd | TextSurveyLabel | Text Survey Labels | 0 | 0 / Continuous | 0 | P | NOTE |
| | | survrd | TextSurveyLabel | Text Survey Labels | 0 | 0 / Continuous | 0 | | |
| | | survrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 | | |
| | | survrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 | | |
| | | survrd | TopoMisc_ep | Topography (Miscellaneous) (Existing) | 0 | 3 / DGN3 | 1 | L | MISC |
| | | survrd | Tower_ep | Antenna (Existing) | 3 | 1 / DGN1 | 1 | P | ANT |
| | | survrd | Tower_ep | Transmission Tower (Single Column) (Existing) | 3 | 1 / DGN1 | 1 | P | CLMT |
| | | survrd | Tower_ep | High Mast Lighting Poles (Existing) | 3 | 1 / DGN1 | 1 | P | HML |
| | | survrd | TrafSeparator_ep | Traffic Separator (Existing) | 6 | 3 / DGN3 | 0 | L | TFSP |
| | | survrd | Trail_ep | Roadway,Trail (Unpaved) (Existing) | 9 | 3 / DGN3 | 1 | L | RD |
| | | survrd | Trash_ep | Dumpster, Trash Disposal (Existing) | 9 | 0 / Continuous | 0 | P | DMP |
| | | survrd | Treadle_ep | Treadle (Existing) | 7 | 1 / DGN1 | 5 | L | TRD |
| | | survrd | Tree_ep | Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREE |
| | | survrd | Tree_ep | Coniferous Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEC |
| | | survrd | Tree_ep | Citrus Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREECI |
| | | survrd | Tree_ep | Cypress Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREECY |
| | | survrd | Tree_ep | Deciduous Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREED |
| | | survrd | Tree_ep | Oak Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEOA |
| | | survrd | Tree_ep | Palm Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEPA |
| | | survrd | Tree_ep | Palm Tree Cluster (Existing) | 2 | 0 / Continuous | 0 | P | TREEPCL |
| | | survrd | Tree_ep | Pine Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEPI |
| | | survrd | TreeLine_ep | Groves & Orchards (Boundary) (Existing) | 2 | RD-TreeLine | 0 | L | GRV |
| | | survrd | TreeLine_ep | Scattered Trees (Boundary) (Existing) | 2 | RD-TreeLine | 0 | L | SCT |
| | | survrd | TreeLine_ep | Woods Line (Existing) | 2 | RD-TreeLine | 0 | L | WDL |
| | | survrd | Tributary_ep | Spring (Water Source) (Existing) | 1 | 0 / Continuous | 0 | P | SPR |
| | | survrd | UnderDrain_ep | Under Drain Box (Existing) | 10 | 3 / DGN3 | 0 | P | UDBX |
| | | survrd | UtilMisc_ep | Utility Items (Miscellaneous) (Existing) | 0 | 0 / Continuous | 0 | L | UMISC |
| | | survrd | Valve_ep | Valve Box (Existing) | 0 | 1 / DGN1 | 1 | P | VB |
| | | survrd | Valve_ep | Valve (Existing) | 0 | 1 / DGN1 | 1 | P | VLV |
| | | survrd | ValveBFP_ep | Valve (Back Flow Preventer), ValveBox (Existing) | 0 | 1 / DGN1 | 1 | P | VLVB |
| | | survrd | ValveCover_ep | Valve Cover (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | VC |
| | | survrd | ValveCvrEff_ep | Valve Cover (Effluent) (Existing) | 5 | 1 / DGN1 | 1 | P | VCEF |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | Bylevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|---|---------------|--------------------------------|----------------|--------------|--------------|
| | | survrd | ValveCvrGas_ep | Valve Cover (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VCG |
| | | survrd | ValveCvrSewer_ep | Valve Cover (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VCS |
| | | survrd | ValveCvrWater_ep | Valve Cover (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | VCW |
| | | survrd | ValveCvrWaterNP_ep | Valve Cover (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VCNPW |
| | | survrd | ValveCvrWaterNP_ep | Valve Cover (Raw Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VCRW |
| | | survrd | ValveGas_ep | Valve Box (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VBG |
| | | survrd | ValveGas_ep | Valve (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VLVG |
| | | survrd | ValveSewer_ep | Valve Box (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VBS |
| | | survrd | ValveSewer_ep | Valve (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VLVS |
| | | survrd | ValveWater_ep | Valve Box (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | VBW |
| | | survrd | ValveWater_ep | Valve (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | VLVW |
| | | survrd | ValveWaterNP_ep | Valve Box (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VBNPW |
| | | survrd | ValveWaterNP_ep | Valve (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VLVNPW |
| | | survrd | Vault_ep | Vaults Above Grade (Existing) | 3 | 1 / DGN1 | 0 | L | AGV |
| | | survrd | Vault_ep | Vaults Below Grade (Existing) | 3 | 1 / DGN1 | 0 | L | BGV |
| | | survrd | Vent_ep | Vent (Existing) | 0 | 1 / DGN1 | 1 | P | VNT |
| | | survrd | VentGas_ep | Vent (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VNTG |
| | | survrd | VentSewer_ep | Vent (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VNTS |
| A | | survrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 | | |
| | | survrd | Wall_ep | Walls (Existing) | 9 | 3 / DGN3 | 1 | L | WALL |
| | | survrd | WallBarrier_ep | Wall Dividing Traffic (All) (Existing) | 6 | 3 / DGN3 | 0 | L | BARW |
| | | survrd | WallBarrier_ep | Wall Dividing Traffic (All) (Existing) (Temporary) | 6 | 3 / DGN3 | 0 | L | TMPW |
| | | survrd | WallRetainEarth_ep | Wall Holding Earth (All) (Existing) | 6 | 3 / DGN3 | 0 | L | RETW |
| | | survrd | WallSea_ep | Sea Walls (Existing) | 0 | 1 / DGN1 | 3 | L | SEAW |
| | | survrd | WaterB_ep | Water Line (All Sizes) Quality Level B Locate (Existing) | 1 | UT-Water-Existing(B) | 1 | L | WLB |
| | | survrd | WaterC_ep | Water Line (All Sizes) Quality Level C Locate (Existing) | 1 | UT-Water-Existing(C) | 1 | L | WLC |
| | | survrd | WaterD_ep | Water Line (All Sizes) Quality Level D Locate (Existing) | 1 | UT-Water-Existing(D) | 1 | L | WLD |
| | | survrd | WaterEdge_ep | Edge of Water (Existing) | 7 | 3 / DGN3 | 0 | L | WEDG |
| | | survrd | WaterMisc_ep | Faucet (Existing) | 1 | 1 / DGN1 | 1 | P | FAU |
| | | survrd | WaterMisc_ep | Standpipe (Existing) | 1 | 1 / DGN1 | 1 | P | SP |
| | | survrd | WaterNP_B_ep | Non-potable Water Line (All Sizes) Quality Level B Locate (Existing) | 5 | UT-NonPotableWater-Existing(B) | 1 | L | NPWLB |
| | | survrd | WaterNP_C_ep | Non-potable Water Line (All Sizes) Quality Level C Locate (Existing) | 5 | UT-NonPotableWater-Existing(C) | 1 | L | NPWLC |
| | | survrd | WaterNP_D_ep | Non-potable Water Line (All Sizes) Quality Level D Locate (Existing) | 5 | UT-NonPotableWater-Existing(D) | 1 | L | NPWLD |
| | | survrd | Well_ep | Well (Any Size) (Existing) | 1 | 1 / DGN1 | 1 | P | WELL |
| | | survrd | WellMon_ep | Well Monitoring, Taps (Existing) | 1 | 1 / DGN1 | 1 | P | MONW |
| | | survrd | Wetland_ep | W.M.D. & D.E.P. Wetlands (Existing) | 1 | RD-Wetland-Existing | 0 | L | DEP |
| | | survrd | WetlandEdge_ep | CORPS Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 | L | COE |
| | | survrd | WetlandEdge_ep | Edge of Mangrove (Existing) | 2 | RD-Wetland-Existing | 0 | L | EM |
| | | survrd | WetlandEdge_ep | Edge of Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 | L | MAR |
| | | survrd | WetlandSym_ep | Marsh Symbol (Existing) | 2 | 1 / DGN1 | 0 | P | MAR |
| | | survrd | WetlandSym_ep | Wetland Point (Existing) | 2 | 1 / DGN1 | 0 | P | WLPT |
| | | survrd | WindMill_ep | Wind Mill (Existing) | 1 | 1 / DGN1 | 0 | P | WIM |
| A | | survrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | survrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | survrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | survrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| | | survrd | XSpt_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 | P | XS |

TCDSRD - Traffic Control

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | B | tcdsrđ | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | tcdsrđ | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| X | | tcdsrđ | AdvWarnPanel | Advance Warning Arrow Panels | 4 | 0 / Continuous | 2 |
| X | | tcdsrđ | AdvWarnVehicle | Work/Shadow/Advanced Warning Vehicle | 3 | 0 / Continuous | 2 |
| X | | tcdsrđ | Aggregate | Aggregate | 8 | 0 / Continuous | 1 |
| X | | tcdsrđ | ArtificialCovering | Artificial Coverings | 10 | 0 / Continuous | 2 |
| X | | tcdsrđ | Attenuator | Attenuator Systems | 6 | MOT-Attenuator | 1 |
| X | | tcdsrđ | AttenuatorTM | Attenuator Truck Mount | 6 | 0 / Continuous | 2 |
| X | | tcdsrđ | Barricade_px | Barricades Type I and II, Vertical Panels on Typicals | 6 | 0 / Continuous | 2 |
| X | | tcdsrđ | BarricadeIII | Barricade Type III | 6 | 0 / Continuous | 2 |
| X | | tcdsrđ | BarricadeIII_px | Barricade Type III on Typicals | 6 | 0 / Continuous | 2 |
| | | tcdsrđ | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | tcdsrđ | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | tcdsrđ | Bridge | Bridge | 0 | 0 / Continuous | 2 |
| X | | tcdsrđ | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | tcdsrđ | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | tcdsrđ | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | tcdsrđ | ChannelDev | Channelizing Devices | 0 | 0 / Continuous | 2 |
| X | | tcdsrđ | ChannelDevPed | Longitudinal Channelizing Device for Pedestrians | 6 | MOT-ChannelDevPed | 2 |
| X | | tcdsrđ | ChannelDevPed_px | Longitudinal Channelizing Device for Pedestrians on Typicals | 6 | 0 / Continuous | 2 |
| | | tcdsrđ | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | tcdsrđ | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | tcdsrđ | ClipBorder_dp | CLIP Border and Civil 3D View Frame | 3 | 0 / Continuous | 0 |
| | B | tcdsrđ | ClipDrawingBound_dp | CLIP Drawing Boundary | 3 | 3 / Continuous | 0 |
| | | tcdsrđ | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| X | | tcdsrđ | CmpFlashbrdRiser | Cmp Flashboard Riser | 10 | 0 / Continuous | 2 |
| | | tcdsrđ | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | tcdsrđ | Concrete | Concrete Areas and Miscellaneous (All Types) | 0 | 0 / Continuous | 2 |
| X | | tcdsrđ | ConcSlabs | Concrete Slabs | 0 | 0 / Continuous | 2 |
| X | | tcdsrđ | Cone_px | Cone and Tubular Marker on Typicals | 6 | 0 / Continuous | 2 |
| | | tcdsrđ | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | tcdsrđ | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | tcdsrđ | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | tcdsrđ | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | tcdsrđ | CrossWalk1 | Emphasis Crosswalk 6ft High | 0 | PM-Stripe-6' Crosswalk | 4 |
| X | | tcdsrđ | CrossWalk2 | Emphasis Crosswalk 10ft High | 0 | PM-Stripe-10' Crosswalk | 4 |
| X | | tcdsrđ | CurbBack | Back of Curb | 4 | 0 / Continuous | 1 |
| X | | tcdsrđ | CurbFace | Curb and Gutter (Face) | 4 | 0 / Continuous | 1 |
| X | | tcdsrđ | CurbRamp | Curb Cut Ramp | 8 | 0 / Continuous | 1 |
| | | tcdsrđ | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | tcdsrđ | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| X | | tcdsrđ | Delineator | Delineators (All Types) | 4 | 0 / Continuous | 1 |
| | | tcdsrđ | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | tcdsrđ | DirArrowsPavt | Pavement Marking Directional Arrows | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| X | | tcdsrd | Ditch | Ditch Top | 7 | 6 / DGN6 | 1 |
| X | | tcdsrd | DitchBot | Ditch Bottom | 10 | 0 / Continuous | 2 |
| X | | tcdsrd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| | | tcdsrd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |
| | | tcdsrd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | tcdsrd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | tcdsrd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | tcdsrd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | tcdsrd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| | | tcdsrd | DrainDivideArw | Drainage Divide Arrow | 0 | 0 / Continuous | 1 |
| | | tcdsrd | DrainDivides00 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides00_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides01 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides01_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides02 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides02_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides03 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides03_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides04 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides04_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides05 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides05_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides06 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides06_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides07 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides07_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides08 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides08_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides09 | Drainage Divides | 10 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainDivides09_ep | Drainage Divides (Existing) | 9 | 2 / DGN2 | 4 |
| | | tcdsrd | DrainMisc | Drainage Items (Miscellaneous) | 10 | 0 / Continuous | 1 |
| | | tcdsrd | DrainMisc_pm | Drainage Items (Proposed Model) (Miscellaneous) | 10 | 0 / Continuous | 1 |
| X | | tcdsrd | DrainStruct | Drainage Structure in Plan | 10 | 2 / DGN2 | 2 |
| X | | tcdsrd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | tcdsrd | DrainStruct_px | Drainage Structures and Elements on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| | | tcdsrd | Drum_px | Drum on Typical | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | tcdsrd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 1 |
| X | | tcdsrd | EaseTempLine | Easement Lines Temporary | 6 | RW-TemporaryEasement | 0 |
| X | | tcdsrd | Fence | Fence, Sand Fence | 6 | RD-Fence | 1 |
| X | | tcdsrd | FenceLt | Fence - Limited Access Left | 6 | RD-Fence | 1 |
| X | | tcdsrd | FenceRt | Fence - Limited Access Right | 6 | RD-Fence | 1 |
| X | | tcdsrd | Flagman | Flagman | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | FlowPaths | Time of Concentration Flow Paths | 10 | 1 / DGN1 | 1 |
| X | | tcdsrd | Gabions | Gabion Baskets or Mats | 10 | 0 / Continuous | 2 |
| X | | tcdsrd | Gabions_ep | Gabion Baskets or Mats (Existing) | 10 | 1 / DGN1 | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|---------------------------|----------------|
| X | | tcdsrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| X | | tcdsrd | Grass | Grass, Seeding and Mulching Areas | 2 | 1 / DGN1 | 2 |
| | | tcdsrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | tcdsrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | tcdsrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| X | | tcdsrd | Guardrail | Guardrail | 1 | 0 / Continuous | 1 |
| X | | tcdsrd | GuardrailBRLt | Guardrail Bridge (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailBRRt | Guardrail Bridge (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuardrailDbI | Guardrail (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | tcdsrd | GuardrailEndAch | Guardrail (End Anchorage) | 0 | 0 / Continuous | 1 |
| X | | tcdsrd | GuardrailLt | Guardrail (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailModThrieDbI | Guardrail Modified Thrie Beam (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | tcdsrd | GuardrailModThrieLt | Guardrail Modified Thrie Beam (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailModThrieRt | Guardrail Modified Thrie Beam (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | tcdsrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| X | | tcdsrd | GuardrailPRDbI | Guardrail Double Face w/ Pipe Rail | 0 | RD-Guardrail-Double | 1 |
| X | | tcdsrd | GuardrailPRLt | Guardrail Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailPRRt | Guardrail Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuardrailRRDbI | Guardrail Double Face w/ Rub Rail | 0 | RD-Guardrail-Double | 1 |
| X | | tcdsrd | GuardrailRRLt | Guardrail Left w/ Rub Rail | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailRRRt | Guardrail Right w/ Rub Rail | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuardrailRt | Guardrail Right | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuardrailThrieDbI | Guardrail Thrie Beam Double Face | 0 | RD-Guardrail-Double | 1 |
| X | | tcdsrd | GuardrailThrieLt | Guardrail Thrie Beam Left | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailThriePRLt | Guardrail Thrie Beam Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | tcdsrd | GuardrailThriePRRt | Guardrail Thrie Beam Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuardrailThrieRt | Guardrail Thrie Beam Right | 0 | RD-Guardrail-Right | 1 |
| X | | tcdsrd | GuyWire | Guy Wire | 3 | 0 / Continuous | 2 |
| | | tcdsrd | HardscapeDetails | Paving Details, Fence Railing, Stamped Asphalt | 4 | 0 / Continuous | 2 |
| | | tcdsrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | tcdsrd | InletProt | Rock Bags and Sand Bagging | 10 | SWP-RockBags | 2 |
| | | tcdsrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | tcdsrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| | | tcdsrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | tcdsrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| | | tcdsrd | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| | | tcdsrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | tcdsrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | tcdsrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | tcdsrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | tcdsrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | tcdsrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | tcdsrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | tcdsrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|---|----------------|
| | | tcdsrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | tcdsrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | tcdsrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | tcdsrd | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | ObjectMarker | Object and Reflective Markers | 3 | 0 / Continuous | 1 |
| X | | tcdsrd | OverheadSign | Overhead Sign Panels | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | tcdsrd | OverheadStr | Mast Arm, Truss Assemblies, Signal Arms and Supports | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| X | | tcdsrd | PavtBase | Base Material (All Types) | 3 | 0 / Continuous | 2 |
| X | | tcdsrd | PavtConcreteSC | Concrete Surface Coloring | 9 | 0 / Continuous | 1 |
| X | | tcdsrd | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |
| X | | tcdsrd | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| | | tcdsrd | PavtMisc | Asphalt Material (Miscellaneous) | 1 | 0 / Continuous | 1 |
| X | | tcdsrd | PavtStabilization | Stabilization Material Lines and Shapes | 9 | 0 / Continuous | 2 |
| | | tcdsrd | PavtXover_ep | Crossovers and Detours (Temporary) (Existing) | 0 | 3 / DGN3 | 0 |
| | | tcdsrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | PedDetector | Pedestrian Detector | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | Pedestal | Pedestal | 1 | 0 / Continuous | 1 |
| X | | tcdsrd | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | tcdsrd | PedHead | Pedestrian Head (All Types) | 1 | 0 / Continuous | 1 |
| X | | tcdsrd | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 0 / Continuous | 1 |
| X | | tcdsrd | PipeCulvert | Pipe Culvert in Plan | 10 | 2 / DGN2 | 2 |
| X | | tcdsrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| X | | tcdsrd | PMCeramic | Pavement Markers Ceramic | 0 | 0 / Continuous | 1 |
| | | tcdsrd | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | tcdsrd | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | tcdsrd | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | tcdsrd | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | tcdsrd | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | tcdsrd | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | tcdsrd | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | tcdsrd | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | tcdsrd | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | tcdsrd | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | tcdsrd | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | tcdsrd | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | tcdsrd | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | tcdsrd | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | tcdsrd | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | tcdsrd | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10' 20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | tcdsrd | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2'_2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | tcdsrd | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | tcdsrd | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | tcdsrd | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|--|----------------|
| X | | tcdsrd | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | tcdsrd | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | tcdsrd | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | tcdsrd | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | tcdsrd | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |
| X | | tcdsrd | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | tcdsrd | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |
| X | | tcdsrd | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |
| X | | tcdsrd | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | tcdsrd | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | tcdsrd | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |
| X | | tcdsrd | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | tcdsrd | PMStripe6BI | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | tcdsrd | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | tcdsrd | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | tcdsrd | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | tcdsrd | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | tcdsrd | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | tcdsrd | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | tcdsrd | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | tcdsrd | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | tcdsrd | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | tcdsrd | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | tcdsrd | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | tcdsrd | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | tcdsrd | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | tcdsrd | PMStripeRumbleWL | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | tcdsrd | PMStripeRumbleWR | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | tcdsrd | PMStripeRumbleYL | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | tcdsrd | PMStripeRumbleYR | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | tcdsrd | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | tcdsrd | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | tcdsrd | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | tcdsrd | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| | | tcdsrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | tcdsrd | PoleElec | Electrical Pole w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | tcdsrd | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|-------------------------|----------------|
| X | | tcdsrd | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | tcdsrd | PoleTel | Telephone Pole | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | PoleUtil | Utility Pole | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | tcdsrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| | | tcdsrd | RailroadMisc_ep | Railroad Switch, Warning Sign, Milepost (Existing) | 11 | 0 / Continuous | 0 |
| | | tcdsrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | RockGravelStone | Rock, Gravel, Stone, Boulders, Etc. | 1 | 0 / Continuous | 2 |
| X | | tcdsrd | RPM_ep | Reflective Pavement Markers (Existing) | 2 | 2 / DGN2 | 1 |
| X | | tcdsrd | RPM1 | Raised Pavement Markers, White | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | RPM2 | Raised Pavement Markers, White - Red | 3 | 0 / Continuous | 2 |
| X | | tcdsrd | RPM3 | Raised Pavement Markers, Yellow | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | RPM4 | Raised Pavement Markers, Yellow - Yellow | 9 | 0 / Continuous | 2 |
| X | | tcdsrd | RPM5 | Raised Pavement Markers, Yellow - Red | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | RPM6 | Raised Pavement Markers, Blue | 1 | 0 / Continuous | 2 |
| X | | tcdsrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | tcdsrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| | | tcdsrd | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | tcdsrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | tcdsrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | tcdsrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | tcdsrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| 101 | | tcdsrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-HayBales | 2 |
| 101 | | tcdsrd | SedimentBarrier | Synthetic Bales and Staked Silt Fences | 10 | SWP-SiltFence | 2 |
| | | tcdsrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | tcdsrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | tcdsrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | tcdsrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | tcdsrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | tcdsrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | tcdsrd | ShldrHatch | Shoulder Hatch Pattern | 1 | 0 / RD-PavedShldr6 | 1 |
| X | | tcdsrd | ShldrPaved | Shoulder Line (Paved) | 1 | 0 / Continuous | 1 |
| | | tcdsrd | ShldrPaved_ep | Shoulder Edge (Paved) (Existing) | 1 | 3 / DGN3 | 0 |
| X | | tcdsrd | SidewalkConc | Sidewalk Concrete Shape | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | SignalCable | Signal Cable | 3 | SG-Cable / Continuous | 1 |
| X | | tcdsrd | SignalCableAccs | Signal Cable Accessories | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | SignalDetail | Signal Details | 0 | 0 / Continuous | 1 |
| | | tcdsrd | SignalHead | Signal Head Section Details | 2 | 0 / Continuous | 1 |
| X | | tcdsrd | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| | | tcdsrd | SignalMisc | Signal Equipment (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | tcdsrd | SignalSOP | S.O.P. Box and Movements | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | SignalSym | Signal Head Symbols | 0 | 0 / Continuous | 1 |
| X | | tcdsrd | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |
| X | | tcdsrd | SignalWorkZone | Traffic Signal / Portable Signal | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|-------------------------|----------------|
| X | | tcdsrd | SignCantilever | Sign Symbol Cantilever | 0 | 0 / Continuous | 1 |
| X | | tcdsrd | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | tcdsrd | SignDetail | Sign Details | 0 | 0 / Continuous | 2 |
| | | tcdsrd | SignLettersAZ | Alphabet Cell Library Letter A-Z Numbers 0-9 | 0 | 0 / Continuous | 0 |
| | | tcdsrd | SignMisc | Sign Symbols (Miscellaneous) | 3 | 0 / Continuous | 1 |
| | | tcdsrd | SignMisc_ep | Sign Symbols (Miscellaneous) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | tcdsrd | SignPanel | Sign Panels - Regulatory | 0 | 0 / Continuous | 2 |
| X | | tcdsrd | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| X | | tcdsrd | SignPanelBorder | Sign Panel Border on Sign Details | 0 | 0 / Continuous | 1 |
| X | | tcdsrd | SignPanelC | Sign Panels - Civil | 1 | 0 / Continuous | 2 |
| X | | tcdsrd | SignPanelDetRed | Sign Panel Details in Red | 3 | 0 / Continuous | 2 |
| X | | tcdsrd | SignPanelG | Sign Panels - Guide | 2 | 0 / Continuous | 2 |
| X | | tcdsrd | SignPanelI | Sign Panels - Special Interest | 9 | 0 / Continuous | 2 |
| X | | tcdsrd | SignPanelT | Sign Panels - Construction | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | SignPanelW | Sign Panels - Warning | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | tcdsrd | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| X | | tcdsrd | SignSpecial | Special Signs / Guide Signs | 2 | 0 / Continuous | 2 |
| X | | tcdsrd | SignSupport | Ground Mounted Sign Support Symbol (All Types) | 1 | 0 / Continuous | 1 |
| X | | tcdsrd | SignSymbol_px | Sign Structure and Foundation on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | tcdsrd | SignTruss | Sign Symbol Truss | 3 | 0 / Continuous | 1 |
| X | | tcdsrd | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| X | | tcdsrd | SignWorkZone | Work Zone Signs | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | Sod | Performance Sod | 2 | 0 / Continuous | 2 |
| | | tcdsrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | tcdsrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |
| | | tcdsrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| | | tcdsrd | Structure | Structures | 0 | 0 / Continuous | 2 |
| B | | tcdsrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | tcdsrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | tcdsrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| A | | tcdsrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | tcdsrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | tcdsrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | tcdsrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | tcdsrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | tcdsrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | tcdsrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | tcdsrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | tcdsrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|----------------------------|----------------|
| | | tcdsrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | tcdsrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | tcdsrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | tcdsrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | tcdsrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | tcdsrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | tcdsrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | tcdsrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | tcdsrd | TrafficControlMisc | Traffic Control Items (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | tcdsrd | TrafSeparator | Traffic Separator (All Types) | 6 | 0 / Continuous | 1 |
| X | | tcdsrd | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | TubularMarker_px | Tubular Markers on Typical | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | TurbidityBarrier1 | Turbidity Barrier 1 (Floating) | 10 | SWP-TurbidityBarrier-Type1 | 2 |
| | | tcdsrd | TurbidityBarrier1_ep | Turbidity Barrier 1 (Floating) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | tcdsrd | TurbidityBarrier2 | Turbidity Barrier 2 (Staked) | 10 | SWP-TurbidityBarrier-Type2 | 2 |
| | | tcdsrd | TurbidityBarrier2_ep | Turbidity Barrier 2 (Staked) (Existing) | 10 | 1 / DGN1 | 2 |
| X | | tcdsrd | Turf | Performance Turf | 100 | 0 / Continuous | 2 |
| | | tcdsrd | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | A | tcdsrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | tcdsrd | WallBarrier | Barrier Wall (All Types) | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | WallTempBarrier | Barrier Wall (Temporary) | 6 | 0 / Continuous | 2 |
| X | | tcdsrd | WallTempBarrier_px | Barrier Wall (Temporary) on Typical | 6 | 0 / Continuous | 2 |
| | A | tcdsrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | tcdsrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | tcdsrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | tcdsrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | tcdsrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | tcdsrd | XSTypical_px | Cross Sections Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

TOPORD - Existing Topography for Roadway

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|---------------|--|---------------|----------------|----------------|--------------|--------------|
| | | topord | ArchSite_ep | Archeological Site (Existing) | 2 | 0 / Continuous | 1 | L | ARST |
| | | topord | Attenuator_ep | Attenuator Systems (Existing) | 0 | 0 / Continuous | 1 | L | ATTN |
| | | topord | BankMent_ep | Embankment (Manmade, Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 | L | BNK |
| | | topord | Beacons_ep | Beacons and Path Illumination (Existing) | 0 | 0 / Continuous | 1 | P | BN |
| | | topord | Bollard_ep | Bollards (Existing) | 0 | 2 / DGN2 | 1 | P | BOL |
| | | topord | Bridge_ep | Bridge Approaches and Slabs (Existing) | 0 | 3 / DGN3 | 1 | L | APRS |
| | | topord | BridgeEle_ep | Bridge Elements (Existing) | 0 | 1 / DGN1 | 0 | L | BRDG |
| X | | topord | Building_ep | Buildings (Existing) | 1 | 0 / Continuous | 0 | L | BLDG |
| | | topord | BusStop_ep | Bench, Bus Stop (Existing) | 8 | 1/DGN1 | 0 | P | BNCH |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|--|---------------|--------------------------|----------------|--------------|--------------|
| | | topord | CableBarrier_ep | Cable Barrier (Existing) | 0 | RD-CableBarrier | 1 | L | CBR |
| | | topord | Canal_ep | Canal, Lock (Existing) | 7 | 3 / DGN3 | 0 | L | CAN |
| | | topord | CattleGuard_ep | Cattle Guard (Existing) | 7 | 1 / DGN1 | 0 | P | CGD |
| | | topord | CGBack_ep | Curb and Gutter (Back) (Existing) | 4 | 3 / DGN3 | 0 | L | CGB |
| | | topord | CGep_ep | Curb / Curb and Gutter (at EP & FL) (Existing) | 0 | 3 / DGN3 | 0 | L | CG |
| | | topord | CGFace_ep | Face of Curb and Gutter (Existing) | 4 | 3 / DGN3 | 0 | L | CGF |
| | | topord | ConcSlabs_ep | Concrete Slabs (Existing) | 0 | 1 / DGN1 | 1 | L | CSL |
| | | topord | ConstLines | Construction Lines and Preferences | 1 | 0 / Continuous | 0 | | |
| | | topord | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 | | |
| | | topord | Core_ep | Core Sample or Test Hole (Existing) | 9 | 0 / Continuous | 0 | P | CSH |
| | | topord | CurbRamp_ep | Curb Cut Ramp (Existing) | 2 | 3 / DGN3 | 0 | L | CCR |
| | | topord | CurbRampWarning_ep | Detectable Warnings on Curb Ramps (Existing) | 4 | 3 / DGN3 | 0 | L | CRW |
| | | topord | Deck_ep | Deck / Porch (Existing) | 7 | 1 / DGN1 | 0 | L | DECK |
| | | topord | DelineatorPost_ep | Delineator Post, Existing Metal and Flexible (Existing) | 4 | 1 / DGN1 | 1 | P | DLP |
| | | topord | Ditch_ep | Ditch (Top, Bottom and Flow Lines) (Existing) | 7 | 6 / DGN6 | 0 | L | DTCH |
| | | topord | DitchPavt_ep | Ditch Pavement (Existing) | 0 | 1 / DGN1 | 0 | L | DTCHP |
| | | topord | Docks_ep | Docks and Wharfs (Existing) | 0 | 1 / DGN1 | 0 | L | DOCK |
| | | topord | Dolphins_ep | Dolphins and Fenders (Existing) | 7 | 1 / DGN1 | 0 | P | DF |
| | | topord | Driveway_ep | Driveway (Drive, Lane, Turnouts) (Existing) | 7 | 3 / DGN3 | 0 | L | DWY |
| | | topord | DummyChains_ep | Dummy Chains (Existing) | 0 | 0 / Continuous | 1 | L | DUMB |
| | | topord | Fence_ep | Fence (All) (Existing) | 6 | RD-Fence | 0 | L | FNC |
| | | topord | FloodLight_ep | Flood Light (Existing) | 3 | 1 / DGN1 | 1 | P | FLD |
| | | topord | Furnace_ep | Incinerator, Boiler, or Furnace (Existing) | 8 | 1 / DGN1 | 0 | P | INCN |
| | | topord | Gates_ep | Gates (Existing) | 7 | 3 / DGN3 | 0 | L | GT |
| | | topord | GlareScrn_ep | Glare Screen & Blinds (Existing) | 0 | { curtain } / RD-Curtain | 0 | L | GS |
| | | topord | GuardrailDbl_ep | Guardrail Double Face (Existing) | 0 | RD-Guardrail-Double | 0 | L | GRDBL |
| | | topord | GuardrailLt_ep | Guardrail Left (Existing) | 0 | RD-Guardrail-Left | 0 | L | GRL |
| | | topord | GuardrailRt_ep | Guardrail Right (Existing) | 0 | RD-Guardrail-Right | 0 | L | GRR |
| | | topord | Hole_ep | Hole (Existing) | 8 | 1 / DGN1 | 0 | P | HOLE |
| | | topord | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 | | |
| | | topord | LaneLine_ep | Lane Lines - Delineates Travel Lanes(Existing) | 0 | RD-LaneLine-Existing | 1 | L | LL |
| | | topord | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 | | |
| | | topord | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 | | |
| | | topord | Mailbox_ep | Mailbox(s) (Existing) | 8 | 1 / DGN1 | 0 | P | MBX |
| | | topord | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 | | |
| | | topord | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 | | |
| | | topord | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 | | |
| | | topord | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 | | |
| | | topord | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 | | |
| | | topord | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 | | |
| | | topord | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 | | |
| | | topord | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 | | |
| | | topord | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 | | |
| | | topord | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 | | |
| | | topord | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 | | |
| | | topord | MiscEquip_ep | Flag Pole (Existing) | 8 | 1 / DGN1 | 0 | P | FP |
| | | topord | MiscEquip_ep | Parking Meter (Existing) | 8 | 1 / DGN1 | 0 | P | PKGM |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|---|---------------|----------------|----------------|--------------|--------------|
| | | topord | Monument_ep | Aerial Targets (Existing) | 4 | 0 / Continuous | 0 | P | AT |
| | | topord | Monument_ep | Concrete Monument (Cast) (Existing) | 4 | 0 / Continuous | 0 | P | CMON |
| | | topord | Monument_ep | Drill Hole, Plug (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | DH |
| | | topord | Monument_ep | Deep Rod Mark (Existing) | 4 | 0 / Continuous | 0 | P | DRM |
| | | topord | Monument_ep | 5/8 Rod and Cap (Existing) | 4 | 0 / Continuous | 0 | P | IRC |
| | | topord | Monument_ep | Nail, Spike, Pin (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | NL |
| | | topord | Monument_ep | Other Marker? (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | OM |
| | | topord | Monument_ep | Metal Pipe, Rod, Bar (Control) (Existing) | 4 | 0 / Continuous | 0 | P | PIP |
| | | topord | Monument_ep | Concrete Monument (Poured) (Existing) | 4 | 0 / Continuous | 0 | P | PMON |
| | | topord | Monument_ep | Post, Stake, Staub (Control Monumentation) (Existing) | 4 | 0 / Continuous | 0 | P | PST |
| | | topord | Monument_ep | Hub and Tac (Existing) | 4 | 0 / Continuous | 0 | P | SAT |
| | | topord | Monument_ep | Stamped Disk (Existing) | 4 | 0 / Continuous | 0 | P | STMD |
| | | topord | Monument_ep | Stamped Plate (Existing) | 4 | 0 / Continuous | 0 | P | STMP |
| | | topord | ParkEquip_ep | Campstove, Grill, Firepit, BBQ (Existing) | 9 | 2 / DGN2 | 0 | P | CMPST |
| | | topord | ParkEquip_ep | Playground Equipment (Existing) | 9 | 2 / DGN2 | 0 | P | PLEQ |
| | | topord | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 | L | XSC |
| | | topord | Pavemk_ep | Handicap Pavement Marking (Existing) | 0 | 2 / DGN2 | 0 | P | HNDC |
| | | topord | Pavemk_ep | Pavement Markings (Other) (Existing) | 0 | 2 / DGN2 | 0 | L | PMRK |
| | | topord | Pavemk_ep | Straight Direction Arrow (Existing) | 0 | 2 / DGN2 | 0 | P | STAROW |
| | | topord | Pavemk_ep | Straight and Turn Arrow (Existing) | 0 | 2 / DGN2 | 0 | P | STATRN |
| | | topord | Pavemk_ep | Turn Arrow (Existing) | 0 | 2 / DGN2 | 0 | P | TA |
| | | topord | PavemkSTL_ep | Straight + Turn Arrow Left | 0 | 2 | 0 | L | STAL |
| | | topord | PavemkSTR_ep | Straight + Turn Arrow Right | 0 | 2 | 0 | L | STAR |
| | | topord | PavemkTL_ep | Turn Arrow Left | 0 | 2 | 0 | L | TAL |
| | | topord | PavemkTR_ep | Turn Arrow Right | 0 | 2 | 0 | L | TAR |
| | | topord | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 | L | AP |
| | | topord | PavtBreak_ep | Existing Pavement Slope Break Line | 0 | 3 | 0 | L | PAVBRK |
| | | topord | PavtConcJoints_ep | Concrete Pavement (Joints) (Existing) | 1 | 5 / DGN5 | 1 | L | CPVJ |
| | | topord | PavtConcrete_ep | Concrete Pavement (Edges) (Existing) | 0 | 3 / DGN3 | 1 | L | CPVT |
| | | topord | PavtCrown_ep | Asphalt Pavement (Crown) (Existing) | 0 | 4 / DGN4 | 1 | L | AC |
| | | topord | PavtCrown_ep | Concrete Pavement (Crown) (Existing) | 0 | 4 / DGN4 | 1 | L | CPVC |
| | | topord | PavtMisc_ep | Pavement Parking Lot/Guardrail/Miscellaneous Pavement (Existing) | 7 | 3 / DGN3 | 0 | L | MP |
| | | topord | PavtTractorXing_ep | Tractor Crossings (Existing) | 0 | 3 / DGN3 | 1 | L | TX |
| | | topord | PavtXover_ep | Crossovers and Detours (Temporary) (Existing) | 0 | 3 / DGN3 | 0 | L | XO |
| | | topord | PedSignal_ep | Pedestrian Signal Unit, Signage (Existing) | 0 | 2 / DGN2 | 0 | P | PS |
| | | topord | Piling_ep | Piling, Piers, or Column (Existing) | 8 | 3 / DGN3 | 0 | P | PIL |
| | | topord | PumpsIsland_ep | Pump Island (Existing) | 7 | 3 / DGN3 | 1 | L | PMPIS |
| | | topord | Railing_ep | Railings (All); Piperail, Guiderail, Handrail Used for Pedestrian and Bicycles (Existing) | 9 | 3 / DGN3 | 0 | L | HNDRL |
| | | topord | RailroadMisc_ep | Railroad Milepost (Existing) | 11 | 0 / Continuous | 0 | P | RRMP |
| | | topord | RailroadMisc_ep | Railroad Switch (Existing) | 11 | 0 / Continuous | 0 | P | RRS |
| | | topord | RailroadMisc_ep | Railroad Warning Sign (Existing) | 11 | 0 / Continuous | 0 | P | RRWS |
| | | topord | RailroadMisc_ep | Railroad Signal with Gate (Existing) | 11 | 0 / Continuous | 0 | P | SWG |
| | | topord | RailroadTracks_ep | Railroad Tracks (Rail, Bed) (Existing) | 4 | 3 / DGN3 | 0 | L | RR |
| | | topord | RailroadXing_ep | Railroad Crossing (Roadway Platforms), Railroad Signal w/ Gate (Existing) | 11 | 3 / DGN3 | 0 | L | RRX |
| X | | topord | RefPtLine | Survey Reference Point Line / Detail (Miscellaneous) | 0 | 0 / Continuous | 1 | | |
| X | | topord | RefPtText | Annotation: Text: Survey Data Reference Point (Miscellaneous) | 0 | 0 / Continuous | 1 | | |
| | | topord | RipRap_ep | Rip Rap, Rubble (Existing) | 4 | 3 / DGN3 | 1 | L | RIP |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|------------------|--|---------------|----------------|----------------|--------------|--------------|
| X | | topord | RRBaseline | Baseline: Rail Road Centerline | 4 | 0 / Continuous | 2 | L | RRCL |
| | | topord | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 | | |
| | | topord | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 | | |
| | | topord | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 | | |
| | | topord | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 | | |
| | | topord | ShldrPaved_ep | Shoulder Edge (Paved) (Existing) | 1 | 3 / DGN3 | 0 | L | SHLDR |
| | | topord | ShldrUnpaved_ep | Shoulders (Unpaved) (Existing) | 0 | 3 / DGN3 | 0 | L | UNPS |
| | | topord | Shrub_ep | Hedges and Shrubs (Boundary) (Existing) | 2 | 0 / Continuous | 0 | L | HED |
| | | topord | Shrub_ep | Ornamental Plant (Existing) | 2 | 0 / Continuous | 0 | P | OP |
| | | topord | Shrub_ep | Shrub, Bush (Existing) | 2 | 0 / Continuous | 0 | P | SHR |
| | | topord | Shrub_ep | Coniferous Shrub (Existing) | 2 | 0 / Continuous | 0 | P | SHRC |
| | | topord | Shrub_ep | Deciduous Shrub (Existing) | 2 | 0 / Continuous | 0 | P | SHRD |
| | | topord | SidewalkBack_ep | Back of Sidewalk (Existing) | 2 | 3 / DGN3 | 0 | L | SWKB |
| | | topord | SidewalkFront_ep | Front of Sidewalk (Existing) | 1 | 3 / DGN3 | 0 | L | SWK |
| | | topord | Signal_ep | Signal Head (Existing) | 3 | 1 / DGN1 | 1 | P | SIG |
| | | topord | Signal_ep | Signal on Pedestal (Existing) | 3 | 1 / DGN1 | 1 | P | SIGP |
| | | topord | SignalLoop_ep | Traffic Detector Loops (Existing) | 7 | 1 / DGN1 | 2 | L | TFD |
| | | topord | SignalMisc_ep | Signal Equipment Including Control Unit (Miscellaneous) (Existing) | 3 | 2 / DGN2 | 0 | P | SIGC |
| | | topord | SignalSupport_ep | Signal Supports Including Mast Arm (Existing) | 3 | 2 / DGN2 | 0 | P | SMA |
| | | topord | SignalSupport_ep | Support Mast Arm Extention (Existing) | 3 | 2 / DGN2 | 0 | L | SMAE |
| | | topord | SignMulti_ep | Multi-column Sign (Large Sign) (Existing) | 0 | 3 / DGN3 | 1 | L | MS |
| | | topord | SignSingle_ep | Sign (Single Support) (Existing) | 3 | 2 / DGN2 | 0 | P | SSS |
| | | topord | SignSupport_ep | Trusses and Cantilevers for Overhead Signs (Existing) | 0 | 3 / DGN3 | 1 | L | SGNT |
| | | topord | Silo_ep | Silo (Existing) | 11 | 2 / DGN2 | 0 | P | SILO |
| | | topord | Slopes_ep | Levees, Dikes, or Dams (Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 | L | LV |
| | | topord | Slopes_ep | Natural Slopes (Top or Bottom) (Existing) | 9 | 3 / DGN3 | 0 | L | SLP |
| | | topord | SpanWire_ep | Signal / Span Wire Pole (Existing) | 3 | 2 / DGN2 | 0 | P | SSP |
| | | topord | SpanWire_ep | Signal / Span Wire Pole (Existing) | 3 | 2 / DGN2 | 0 | L | SSW |
| | | topord | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 | | |
| | | topord | Stairs_ep | Stairways, Steps (Existing) | 0 | 3 / DGN3 | 1 | L | STP |
| | | topord | Stream_ep | Stream Edge (Existing) | 1 | 3 / DGN3 | 0 | L | STRM |
| | | topord | Stream_ep | Stream Center (Existing) | 1 | 3 / DGN3 | 0 | L | STRMC |
| | | topord | StreamMisc_ep | Buoy (Existing) | 7 | 0 / Continuous | 0 | P | BUOY |
| | | topord | StreamMisc_ep | Stream or Tide Gauge (Existing) | 7 | 0 / Continuous | 0 | P | TG |
| | | topord | Stump_ep | Stump (Existing) | 2 | 0 / Continuous | 0 | P | STM |
| A | | topord | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 | | |
| | | topord | TankStor_ep | Storage Tank (Existing) | 11 | 3 / DGN3 | 0 | P | STTK |
| | | topord | TankUG_ep | Fill Cap (Buried Tank) (Existing) | 3 | 1 / DGN1 | 0 | P | FC |
| | | topord | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 | | |
| | | topord | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 | | |
| | | topord | TextLabel | Text - Label | 0 | 0 / Continuous | 2 | | |
| | | topord | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 | | |
| | | topord | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 | | |
| | | topord | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 | | |
| | | topord | TopoMisc_ep | Topography (Miscellaneous) (Existing) | 0 | 3 / DGN3 | 1 | L | MISC |
| | | topord | TrafSeparator_ep | Traffic Separator (Existing) | 6 | 3 / DGN3 | 0 | L | TFSP |
| | | topord | Trail_ep | Roadway, Trail (Unpaved) (Existing) | 9 | 3 / DGN3 | 1 | L | RD |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|--|---------------|---------------------|----------------|--------------|--------------|
| | | topord | Trash_ep | Dumpster, Trash Disposal (Existing) | 9 | 0 / Continuous | 0 | P | DMP |
| | | topord | Treadle_ep | Treadle (Existing) | 7 | 1 / DGN1 | 5 | L | TRD |
| | | topord | Tree_ep | Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREE |
| | | topord | Tree_ep | Coniferous Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEC |
| | | topord | Tree_ep | Citrus Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREECI |
| | | topord | Tree_ep | Cypress Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREECY |
| | | topord | Tree_ep | Deciduous Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREED |
| | | topord | Tree_ep | Oak Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEOA |
| | | topord | Tree_ep | Palm Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEPA |
| | | topord | Tree_ep | Palm Tree Cluster (Existing) | 2 | 0 / Continuous | 0 | P | TREEPC |
| | | topord | Tree_ep | Pine Tree (Existing) | 2 | 0 / Continuous | 0 | P | TREEPI |
| | | topord | TreeLine_ep | Groves & Orchards (Boundary) (Existing) | 2 | RD-TreeLine | 0 | L | GRV |
| | | topord | TreeLine_ep | Scattered Trees (Boundary) (Existing) | 2 | RD-TreeLine | 0 | L | SCT |
| | | topord | TreeLine_ep | Woods Line (Existing) | 2 | RD-TreeLine | 0 | L | WDL |
| | | topord | Tributary_ep | Spring (Water Source) (Existing) | 1 | 0 / Continuous | 0 | P | SPR |
| A | | topord | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 | | |
| | | topord | Wall_ep | Walls (Existing) | 9 | 3 / DGN3 | 1 | L | WALL |
| | | topord | WallBarrier_ep | Wall Dividing Traffic (All) (Existing) | 6 | 3 / DGN3 | 0 | L | BARW |
| | | topord | WallBarrier_ep | Wall Dividing Traffic (All) (Existing) (Temporary) | 6 | 3 / DGN3 | 0 | L | TMPW |
| | | topord | WallRetainEarth_ep | Wall Holding Earth (All) (Existing) | 6 | 3 / DGN3 | 0 | L | RETW |
| | | topord | WallSea_ep | Sea Walls (Existing) | 0 | 1 / DGN1 | 3 | L | SEAW |
| | | topord | WaterEdge_ep | Edge of Water (Existing) | 7 | 3 / DGN3 | 0 | L | WEDG |
| | | topord | Wetland_ep | W.M.D. & D.E.P. Wetlands (Existing) | 1 | RD-Wetland-Existing | 0 | L | DEP |
| | | topord | WetlandEdge_ep | CORPS Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 | L | COE |
| | | topord | WetlandEdge_ep | Edge of Mangrove (Existing) | 2 | RD-Wetland-Existing | 0 | L | EM |
| | | topord | WetlandEdge_ep | Edge of Wetlands (Marsh or Swamp) (Existing) | 2 | RD-Wetland-Existing | 0 | L | MAR |
| | | topord | WetlandSym_ep | Marsh Symbol (Existing) | 2 | 1 / DGN1 | 0 | P | MAR |
| | | topord | WetlandSym_ep | Wetland Point (Existing) | 2 | 1 / DGN1 | 0 | P | WLPT |
| | | topord | WindMill_ep | Wind Mill (Existing) | 1 | 1 / DGN1 | 0 | P | WIM |
| A | | topord | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | topord | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | topord | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | topord | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| | | topord | XSPT_ep | Cross Section Point, Station (Existing) | 2 | 1 / DGN1 | 0 | P | XS |

TYPDRD - Typical Section Data

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| | B | typdrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | typdrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| X | | typdrd | AdvWarnPanel | Advance Warning Arrow Panels | 4 | 0 / Continuous | 2 |
| X | | typdrd | AdvWarnVehicle | Work/Shadow/Advanced Warning Vehicle | 3 | 0 / Continuous | 2 |
| X | | typdrd | Attenuator | Attenuator Systems | 6 | MOT-Attenuator | 1 |
| X | | typdrd | AttenuatorTM | Attenuator Truck Mount | 6 | 0 / Continuous | 2 |
| X | | typdrd | Barricade_px | Barricades Type I and II, Vertical Panels on Typical | 6 | 0 / Continuous | 2 |
| X | | typdrd | BarricadeIII | Barricade Type III | 6 | 0 / Continuous | 2 |
| X | | typdrd | BarricadeIII_px | Barricade Type III on Typical | 6 | 0 / Continuous | 2 |
| | | typdrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | typdrd | BaselineSurvey | Baseline Survey | 0 | 0 / Continuous | 2 |
| X | | typdrd | Berm_px | Berm (Top, Front, or Back) on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | typdrd | BoxCulvert | Box Culvert | 10 | 0 / Continuous | 2 |
| X | | typdrd | Bridge_px | Bridge Component on Cross Sections - Component Property | 0 | 0 / Continuous | 2 |
| X | | typdrd | CandG_ex | Curb and Gutter on Cross Sections (All Types) (Existing) | 4 | 2 / DGN2 | 1 |
| X | | typdrd | CandG_px | Curb and Gutter on Cross Sections (All Types) | 4 | 0 / Continuous | 2 |
| X | | typdrd | CandGBase_px | Curb and Gutter Base on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | typdrd | ChannelDev | Channelizing Devices | 0 | 0 / Continuous | 2 |
| X | | typdrd | ChannelDevPed_px | Longitudinal Channelizing Device for Pedestrians on Typical | 6 | 0 / Continuous | 2 |
| | | typdrd | CLConst_dp | Center Line of Construction | 0 | 0 / Continuous | 2 |
| | | typdrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | typdrd | Cloud_dp | Construction Cloud | 7 | 0 / Continuous | 2 |
| | | typdrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | typdrd | Concrete | Concrete Areas and Miscellaneous (All Types) | 0 | 0 / Continuous | 2 |
| X | | typdrd | ConcSlabs | Concrete Slabs | 0 | 0 / Continuous | 2 |
| X | | typdrd | Conduit_px | Conduit and Encasements on Cross Sections | 3 | 0 / Continuous | 1 |
| X | | typdrd | Cone_px | Cone and Tubular Marker on Typical | 6 | 0 / Continuous | 2 |
| | | typdrd | ConstArea_dp | Construction Area Crosshatch | 0 | 0 / Continuous | 1 |
| | | typdrd | ConstLimits | Construction Limits | 3 | RW-LimitsofConst | 2 |
| | | typdrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 |
| | | typdrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | typdrd | CurbBack | Back of Curb | 4 | 0 / Continuous | 1 |
| X | | typdrd | CurbFace | Curb and Gutter (Face) | 4 | 0 / Continuous | 1 |
| X | | typdrd | CurbRamp | Curb Cut Ramp | 8 | 0 / Continuous | 1 |
| | | typdrd | CurveData_dp | Curve and Coordinate Data Elements Including PC, PT, PI Symbols | 4 | 0 / Continuous | 2 |
| | | typdrd | CurveDataLabel_dp | Curve Data Labels PC,PI, PT | 0 | 0 / Continuous | 2 |
| | | typdrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| X | | typdrd | DirArrowsPavt | Pavement Marking Directional Arrows | 0 | 0 / Continuous | 1 |
| X | | typdrd | Ditch | Ditch Top | 7 | 6 / DGN6 | 1 |
| X | | typdrd | Ditch_px | Ditch Top on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | typdrd | DitchBot | Ditch Bottom | 10 | 0 / Continuous | 2 |
| X | | typdrd | DitchBot_px | Ditch Bottom on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | typdrd | DitchPavt | Ditch Pavement Including Quantity Shapes | 3 | 0 / Continuous | 1 |
| X | | typdrd | DitchPavt_px | Ditch Pavement on Cross Sections | 3 | 0 / Continuous | 3 |
| | | typdrd | DitchProfLt_er | Ditch Profile Left (Existing) | 8 | 3 / DGN3 | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|-------------------------|----------------|
| | | typdrd | DitchProfLt_pr | Ditch Profile Left | 8 | 0 / Continuous | 1 |
| | | typdrd | DitchProfMdn_er | Ditch Profile Median (Existing) | 10 | 3 / DGN3 | 1 |
| | | typdrd | DitchProfMdn_pr | Ditch Profile Median | 10 | 0 / Continuous | 1 |
| | | typdrd | DitchProfRt_er | Ditch Profile Right (Existing) | 9 | 3 / DGN3 | 1 |
| | | typdrd | DitchProfRt_pr | Ditch Profile Right | 9 | 0 / Continuous | 1 |
| X | | typdrd | DrainStruct_pr | Drainage Structures (All Types) | 10 | 0 / Continuous | 2 |
| X | | typdrd | DrainStruct_px | Drainage Structures and Elements on Cross Sections (Miscellaneous) | 10 | 0 / Continuous | 2 |
| X | | typdrd | Driveway_px | Driveway Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | typdrd | DrivewayBase_px | Driveway Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | typdrd | Drum_px | Drum on Typical | 6 | 0 / Continuous | 2 |
| | | typdrd | Earthwork1_px | Earthwork (Color 0) on Cross Sections | 0 | 0 / Continuous | 1 |
| | | typdrd | Earthwork2_px | Earthwork (Color 1) on Cross Sections | 1 | 0 / Continuous | 1 |
| | | typdrd | Earthwork3_px | Earthwork (Color 2) on Cross Sections | 2 | 0 / Continuous | 1 |
| | | typdrd | Earthwork4_px | Earthwork (Color 3) on Cross Sections | 3 | 0 / Continuous | 1 |
| | | typdrd | Earthwork5_px | Earthwork (Color 4) on Cross Sections | 4 | 0 / Continuous | 1 |
| X | | typdrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | typdrd | EasePerpLine | Easement Lines Perpetual | 4 | RW-PerpetualEasement | 1 |
| X | | typdrd | EasePerpLine_px | Easement Lines Perpetual on Cross Sections | 4 | RW-PerpetualEasement | 1 |
| X | | typdrd | EaseTempLine | Easement Lines Temporary | 6 | RW-TemporaryEasement | 0 |
| X | | typdrd | EaseTempLine_px | Easement Lines Temporary on Cross Sections | 6 | RW-TemporaryEasement | 0 |
| | | typdrd | ElecBur_px | Electrical on Cross Sections (Buried) | 3 | 0 / Continuous | 1 |
| X | | typdrd | Endwall | Endwall (All Types) | 10 | 0 / Continuous | 2 |
| X | | typdrd | Endwall_px | Endwall on Cross Sections | 10 | 0 / Continuous | 2 |
| | | typdrd | ExcavationLimits_dp | Excavation Limits on Cross Sections | 0 | 0 / Continuous | 1 |
| X | | typdrd | Fence | Fence, Sand Fence | 6 | RD-Fence | 1 |
| | | typdrd | Fence_ex | Fence Lines on Cross Sections (Existing) | 6 | 3 / DGN3 | 1 |
| X | | typdrd | Fence_px | Fence Lines on Cross Sections | 6 | RD-Fence | 2 |
| X | | typdrd | FenceLt | Fence Limited Access Left | 6 | RD-Fence | 1 |
| X | | typdrd | FenceRt | Fence Limited Access Right | 6 | RD-Fence | 1 |
| X | | typdrd | FES | Flared End Sections | 10 | 0 / Continuous | 2 |
| X | | typdrd | FES_px | Flared End Sections on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | typdrd | Flagman | Flagman | 6 | 0 / Continuous | 2 |
| X | | typdrd | Gas_px | Gas Pipe and Fittings on Cross Sections (Miscellaneous) | 4 | 0 / Continuous | 1 |
| | | typdrd | GeotechFillPatt1 | Geotechnical Fill Pattern - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt1_px | Geotechnical Fill Pattern on Cross Sections - (Earth, Wood, Muck, Concrete, Rock, Riprap) as Defined in Project | 3 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt2 | Geotechnical Fill Pattern - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | typdrd | GeotechFillPatt2_px | Geotechnical Fill Pattern on Cross Sections - Clay, Sand | 0 | 1 / DGN1 | 0 |
| | | typdrd | GeotechFillPatt3 | Geotechnical Fill Pattern - Shell | 3 | 1 / DGN1 | 0 |
| | | typdrd | GeotechFillPatt3_px | Geotechnical Fill Pattern on Cross Sections - Shell | 3 | 1 / DGN1 | 0 |
| | | typdrd | GeotechFillPatt4 | Geotechnical Fill Pattern - Sand | 4 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt4_px | Geotechnical Fill Pattern on Cross Sections - Sand | 4 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt5 | Geotechnical Fill Pattern - Coquina | 1 | 0 / Continuous | 1 |
| | | typdrd | GeotechFillPatt5_px | Geotechnical Fill Pattern on Cross Sections - Coquina | 1 | 0 / Continuous | 1 |
| | | typdrd | GeotechFillPatt6 | Geotechnical Fill Pattern - Limestone | 2 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt6_px | Geotechnical Fill Pattern on Cross Sections - Limestone | 2 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt7 | Geotechnical Fill Pattern - Gravel | 6 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|-------------------------|----------------|
| | | typdrd | GeotechFillPatt7_px | Geotechnical Fill Pattern on Cross Sections - Gravel | 6 | 0 / Continuous | 0 |
| | | typdrd | GeotechFillPatt8 | Geotechnical Fill Pattern - Silt | 0 | 0 / Continuous | 1 |
| | | typdrd | GeotechFillPatt8_px | Geotechnical Fill Pattern on Cross Sections - Silt | 0 | 0 / Continuous | 1 |
| | | typdrd | GeotechMisc | Geotechnical Elements (Miscellaneous) | 0 | 0 / Continuous | 1 |
| X | | typdrd | GovTwpRgeLine_ep | Township / Range Lines (Existing) | 10 | RW-TownshipRange | 2 |
| | B | typdrd | GPKDrBack_dp | Back Point on Drainage Cells | 2 | 2 / DGN2 | 2 |
| | B | typdrd | GPKDrBottom_dp | Bottom Point on Drainage Cells | 3 | 3 / DGN3 | 2 |
| | B | typdrd | GPKDrCellIns_dp | Cell Insertion Point on Drainage Cells | 4 | 4 / DGN4 | 2 |
| | B | typdrd | GPKDrCentroid_dp | Point on Centroid for Drainage | 7 | 7 / DGN7 | 2 |
| | B | typdrd | GPKDrFront_dp | Front Point on Drainage Cells | 1 | 1 / DGN1 | 2 |
| | B | typdrd | GPKDrPipe_dp | Point on Drainage Pipe | 6 | 6 / DGN6 | 2 |
| | B | typdrd | GPKDrPipeCir_dp | Point on Pipe Circular | 6 | 6 / DGN6 | 0 |
| X | | typdrd | Grass | Grass, Seeding and Mulching Areas | 2 | 1 / DGN1 | 2 |
| | | typdrd | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | typdrd | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | typdrd | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| | | typdrd | GroundCover | Groundcover Edge Symbol | 2 | 0 / Continuous | 1 |
| | | typdrd | GroundCoverHatch | Groundcover Hatch Pattern | 2 | 0 / Continuous | 0 |
| X | | typdrd | Guardrail | Guardrail | 1 | 0 / Continuous | 1 |
| X | | typdrd | GuardrailBRLt | Guardrail Bridge (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailBRRt | Guardrail Bridge (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | typdrd | GuardrailDbl | Guardrail (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | typdrd | GuardrailEndAch | Guardrail (End Anchorage) | 0 | 0 / Continuous | 1 |
| X | | typdrd | GuardrailLt | Guardrail (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailModThrieDbl | Guardrail Modified Thrie Beam (Double Face) | 0 | RD-Guardrail-Double | 1 |
| X | | typdrd | GuardrailModThrieLt | Guardrail Modified Thrie Beam (Left) | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailModThrieRt | Guardrail Modified Thrie Beam (Right) | 0 | RD-Guardrail-Right | 1 |
| X | | typdrd | GuardrailPanel_px | Guardrail Component Property on Cross Sections for 3D Guardrail Panels | 11 | 0 / Continuous | 1 |
| X | B | typdrd | GuardrailPost_px | Guardrail Component Property on Cross Sections for 3D Guardrail Posts | 10 | 0 / Continuous | 0 |
| X | | typdrd | GuardrailPRDbl | Guardrail Double Face w/ Pipe Rail | 0 | RD-Guardrail-Double | 1 |
| X | | typdrd | GuardrailPRLt | Guardrail Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailPRRt | Guardrail Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | typdrd | GuardrailRRDbl | Guardrail Double Face w/ Rub Rail | 0 | RD-Guardrail-Double | 1 |
| X | | typdrd | GuardrailRRLt | Guardrail Left w/ Rub Rail | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailRRRt | Guardrail Right w/ Rub Rail | 0 | RD-Guardrail-Right | 1 |
| X | | typdrd | GuardrailRt | Guardrail Right | 0 | RD-Guardrail-Right | 1 |
| X | | typdrd | GuardrailThrieDbl | Guardrail Thrie Beam Double Face | 0 | RD-Guardrail-Double | 1 |
| X | | typdrd | GuardrailThrieLt | Guardrail Thrie Beam Left | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailThriePRLt | Guardrail Thrie Beam Left w/ Pipe Rail | 0 | RD-Guardrail-Left | 1 |
| X | | typdrd | GuardrailThriePRRt | Guardrail Thrie Beam Right w/ Pipe Rail | 0 | RD-Guardrail-Right | 1 |
| X | | typdrd | GuardrailThrieRt | Guardrail Thrie Beam Right | 0 | RD-Guardrail-Right | 1 |
| | | typdrd | HardscapeDetails | Paving Details, Fence Railing, Stamped Asphalt | 4 | 0 / Continuous | 2 |
| | | typdrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | typdrd | Inlet_px | Inlets on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | typdrd | InletBottom_px | Inlet Bottom on Cross Sections (All Types) | 10 | 0 / Continuous | 2 |
| X | | typdrd | InletBottomJ | Inlet Bottom Type J | 10 | 0 / Continuous | 1 |
| X | | typdrd | InletBottomP | Inlet Bottom Type P | 10 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|---------------------------|----------------|
| X | | typdrd | InletCurb | Curb Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | typdrd | InletDBI | Ditch Bottom Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | typdrd | InletGutter | Gutter Inlet (All Types) | 10 | 0 / Continuous | 2 |
| X | | typdrd | InletMedian | Median Barrier Inlet | 10 | 0 / Continuous | 2 |
| | | typdrd | KeyShtMisc | Key Sheet Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | | typdrd | LaneDirArrow | Lane Directional Arrow | 0 | 0 / Continuous | 1 |
| X | | typdrd | LARWLine | Limited Access Right of Way Lines | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | typdrd | LARWLine_ep | Limited Access Right of Way Lines (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | typdrd | LARWLine_ex | Limited Access Right of Way Lines on Cross Sections (Existing) | 4 | RW-LimitedAccess-Existing | 1 |
| X | | typdrd | LARWLine_px | Limited Access Right of Way Lines on Cross Sections | 4 | RW-LimitedAccess-Proposed | 2 |
| X | | typdrd | LateralLimits_px | Lateral Limits on Cross Sections | 6 | 0 / Continuous | 2 |
| | | typdrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | typdrd | LightingMisc | Lighting Items (Miscellaneous) | 4 | 0 / Continuous | 2 |
| X | | typdrd | LightingSP | Lighting Service Points | 0 | 0 / Continuous | 1 |
| | | typdrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | typdrd | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| X | | typdrd | Manhole | Manhole (Drainage and Unknown) | 10 | 0 / Continuous | 2 |
| X | | typdrd | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| X | | typdrd | MES | Mitered End Section | 10 | 0 / Continuous | 2 |
| X | | typdrd | MES_px | Mitered End Section on Cross Sections | 10 | 0 / Continuous | 2 |
| | | typdrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | typdrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | typdrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | typdrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | typdrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | typdrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | typdrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | typdrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | typdrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | typdrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | typdrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | typdrd | PatternLines1_dp | Pattern Lines on Cross Sections and All Autodesk (Civil 3D) Tables | 3 | 0 / Continuous | 2 |
| | | typdrd | PatternLines2_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 4 | 0 / Continuous | 2 |
| | | typdrd | PatternLines3_dp | Pattern Lines on Cross Sections Alternate for Side Streets, CriticalCross Sections or Drainage Structures | 5 | 0 / Continuous | 2 |
| X | | typdrd | PavedMedianBase_px | Median Subgrade on Cross Sections (Paved) | 3 | 0 / Continuous | 2 |
| X | | typdrd | PavtAsphalt | Asphalt Pavement Edge Line and Quantity Shapes | 0 | 0 / Continuous | 2 |
| | | typdrd | PavtAsphalt_ep | Asphalt Pavement Edge (Existing) | 0 | 3 / DGN3 | 1 |
| X | | typdrd | PavtAsphalt_px | Asphalt Pavement on Cross Sections and Components in Models | 1 | 0 / Continuous | 2 |
| X | | typdrd | PavtBase | Base Material (All Types) | 3 | 0 / Continuous | 2 |
| X | | typdrd | PavtBase_ex | Base Material on Cross Sections (All Types) (Existing) | 3 | 3 / DGN3 | 1 |
| X | | typdrd | PavtBase_px | Base Material on Cross Sections (All Types) | 3 | 0 / Continuous | 2 |
| X | | typdrd | PavtConcrete | Concrete Pavement Edge Lines and Quantity Shapes | 10 | 0 / Continuous | 2 |
| X | | typdrd | PavtConcrete_px | Concrete Pavement on Cross Sections and Components in Models | 0 | 0 / Continuous | 2 |
| X | | typdrd | PavtConcreteSC | Concrete Surface Coloring | 9 | 0 / Continuous | 1 |
| | | typdrd | PavtCrown | Pavement Crown | 16 | 0 / Continuous | 2 |
| X | | typdrd | PavtMessage | Pavement Message (All Types) | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|---|----------------|
| X | | typdrd | PavtMessage_ep | Pavement Message (All Types) (Existing) | 0 | 2 / DGN2 | 0 |
| X | | typdrd | PavtMilling_px | Asphalt Milling Lines on Cross Sections | 7 | 0 / Continuous | 2 |
| X | | typdrd | PavtMisc | Asphalt Material (Miscellaneous) | 1 | 0 / Continuous | 1 |
| X | | typdrd | PavtMisc_px | Pavement on Cross Sections (Miscellaneous) | 1 | 0 / Continuous | 2 |
| X | | typdrd | PavtOverbuild_px | Pavement Overbuild Areas on Cross Sections - Component Property | 4 | 0 / Continuous | 2 |
| X | | typdrd | PavtOverlay_px | Pavement Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 2 |
| X | | typdrd | PavtOverlay1_px | Pavement Overlay on Cross Sections - Component Property | 14 | 0 / Continuous | 2 |
| X | | typdrd | PavtOverlay2_px | Pavement Overlay on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | typdrd | PavtStabilization | Stabilization Material Lines and Shapes | 9 | 0 / Continuous | 2 |
| X | | typdrd | PavtStabilization_px | Stabilization on Cross Sections | 5 | 2 / DGN2 | 2 |
| | | typdrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| | | typdrd | PipeCulvert_ep | Pipe Culvert (Existing) | 10 | 3 / DGN3 | 1 |
| X | | typdrd | PipeCulvert_pr | Pipe Culvert in Profile | 10 | 0 / Continuous | 2 |
| X | | typdrd | PipeCulvert_px | Pipe Culvert on Cross Section View | 10 | 0 / Continuous | 2 |
| X | | typdrd | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | typdrd | PMMisc | Pavement Marking Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | A | typdrd | PMSkip(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 10-10-20 | 2 |
| X | A | typdrd | PMSkip(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | - / PM-Skip-Stripe 2-2-2 | 2 |
| X | A | typdrd | PMSkip12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 2-4 | 4 |
| X | A | typdrd | PMSkip12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | - / PM-Skip-Stripe 3-9 | 4 |
| X | A | typdrd | PMSkip6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | typdrd | PMSkip6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | typdrd | PMSkip6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | typdrd | PMSkip6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | typdrd | PMSkip6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | typdrd | PMSkip6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 10-30 | 2 |
| X | A | typdrd | PMSkip6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 2-4 | 2 |
| X | A | typdrd | PMSkip6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | - / PM-Skip-Stripe 6-10 | 2 |
| X | A | typdrd | PMSkip8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | - / PM-Skip-Stripe 3-9 | 2 |
| X | A | typdrd | PMSkip9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | - / PM-Skip-Stripe 10-30 | 2 |
| X | | typdrd | PMStripe(10-10-20) | Pavement Marking 10/10/20 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-10'_20'Skip / PM-Stripe-SKIP 10-10-20 | 2 |
| X | | typdrd | PMStripe(2-2-2) | Pavement Marking 2/2/2 Skip Traffic Stripe 6in Contrast | 0 | PM-Stripe-2'_2'Skip / PM-Stripe-SKIP 2-2-2 | 2 |
| X | | typdrd | PMStripe12B | Pavement Marking Traffic Stripe 12in Black | 3 | 0 / Continuous | 4 |
| X | | typdrd | PMStripe12W | Pavement Marking Traffic Stripe 12in White | 0 | 0 / Continuous | 4 |
| X | | typdrd | PMStripe12W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 4 |
| X | | typdrd | PMStripe12W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 12in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 4 |
| X | | typdrd | PMStripe12Y | Pavement Marking Traffic Stripe 12in Yellow | 4 | 0 / Continuous | 4 |
| X | | typdrd | PMStripe16B | Pavement Marking Traffic Stripe 16in Black | 3 | 0 / Continuous | 5 |
| X | | typdrd | PMStripe16W | Pavement Marking Traffic Stripe 16in White | 0 | 0 / Continuous | 5 |
| X | | typdrd | PMStripe16Y | Pavement Marking Traffic Stripe 16in Yellow | 4 | 0 / Continuous | 5 |
| X | | typdrd | PMStripe18B | Pavement Marking Traffic Stripe 18in Black | 3 | 0 / Continuous | 6 |
| X | | typdrd | PMStripe18W | Pavement Marking Traffic Stripe 18in White | 0 | 0 / Continuous | 6 |
| X | | typdrd | PMStripe18Y | Pavement Marking Traffic Stripe 18in Yellow | 4 | 0 / Continuous | 6 |
| X | | typdrd | PMStripe24W | Pavement Marking Traffic Stripe 24in White | 0 | 0 / Continuous | 7 |
| X | | typdrd | PMStripe24Y | Pavement Marking Traffic Stripe 24in Yellow | 4 | 0 / Continuous | 7 |
| X | | typdrd | PMStripe6B | Pavement Marking Traffic Stripe 6in Black | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|--|----------------|
| X | | typdrd | PMStripe6B(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Black | 3 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | typdrd | PMStripe6Bl | Pavement Marking Traffic Stripe 6in Blue | 1 | 0 / Continuous | 2 |
| X | | typdrd | PMStripe6DY | Pavement Marking Traffic Stripe 6in Double Yellow | 4 | 0 / Continuous | 2 |
| X | | typdrd | PMStripe6W | Pavement Marking Traffic Stripe 6in White | 0 | 0 / Continuous | 2 |
| X | | typdrd | PMStripe6W(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | typdrd | PMStripe6W(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | typdrd | PMStripe6W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | typdrd | PMStripe6W(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in White | 0 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | typdrd | PMStripe6Y | Pavement Marking Traffic Stripe 6in Yellow | 4 | 0 / Continuous | 2 |
| X | | typdrd | PMStripe6Y(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | typdrd | PMStripe6Y(2-4) | Pavement Marking 2/4 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 2-4 | 2 |
| X | | typdrd | PMStripe6Y(6-10) | Pavement Marking 6/10 Skip Traffic Stripe 6in Yellow | 4 | 0 / PM-Stripe-SKIP 6-10 | 2 |
| X | | typdrd | PMStripe8B | Pavement Marking Traffic Stripe 8in Black | 3 | 0 / Continuous | 3 |
| X | | typdrd | PMStripe8W | Pavement Marking Traffic Stripe 8in White | 0 | 0 / Continuous | 3 |
| X | | typdrd | PMStripe8W(3-9) | Pavement Marking 3/9 Skip Traffic Stripe 8in White | 0 | 0 / PM-Stripe-SKIP 3-9 | 2 |
| X | | typdrd | PMStripe8Y | Pavement Marking Traffic Stripe 8in Yellow | 4 | 0 / Continuous | 3 |
| X | | typdrd | PMStripe9C(10-30) | Pavement Marking 10/30 Skip Traffic Stripe 9in Contrast | 0 | 0 / PM-Stripe-SKIP 10-30 | 2 |
| X | | typdrd | PMStripeRumbleCL | Center Line Rumble Stripes (Use to Quantify Rumble Strips) (NonPlotting) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | typdrd | PMStripeRumbleWL | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Left) | 0 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | typdrd | PMStripeRumbleWR | Rumble Stripes (6in White Thermoplastic Over Rumble Strips) (Right) | 0 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | typdrd | PMStripeRumbleYL | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Left) | 4 | PM-Stripe-RumbleStripeLeft / PM-Stripe-RumbleStripe | 2 |
| X | | typdrd | PMStripeRumbleYR | Rumble Stripes (6in Yellow Thermoplastic Over Rumble Strips) (Right) | 4 | PM-Stripe-RumbleStripeRight / PM-Stripe-RumbleStripe | 2 |
| X | | typdrd | PMStripeVibeWL | Pavement Marking Auditory and Vibratory 6in White (Left) | 0 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | typdrd | PMStripeVibeWR | Pavement Marking Auditory and Vibratory 6in White (Right) | 0 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| X | | typdrd | PMStripeVibeYL | Pavement Marking Auditory and Vibratory 6in Yellow (Left) | 4 | PM-Stripe-VibratoryLeft / PM-Stripe-Vibratory | 2 |
| X | | typdrd | PMStripeVibeYR | Pavement Marking Auditory and Vibratory 6in Yellow (Right) | 4 | PM-Stripe-VibratoryRight / PM-Stripe-Vibratory | 2 |
| | | typdrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | typdrd | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | typdrd | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | typdrd | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | typdrd | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | typdrd | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | typdrd | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | typdrd | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | typdrd | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | typdrd | Pond_px | Pond Lines on Cross Sections | 2 | 0 / Continuous | 2 |
| X | | typdrd | PropertyLine_ep | Property Lines (Existing) | 3 | 0 / Continuous | 0 |
| X | B | typdrd | PvtAnalysisCrown_px | Pavement Analysis Crowning on Cross Sections - Component Property | 7 | 0 / Continuous | 1 |
| X | B | typdrd | PvtAnalysisFail_px | Pavement Analysis Failure on Cross Sections - Component Property | 3 | 0 / Continuous | 1 |
| X | B | typdrd | PvtAnalysisMax_px | Pavement Analysis Acceptable Maximum Range on Cross Sections - Component Property | 5 | 0 / Continuous | 1 |
| X | B | typdrd | PvtAnalysisMin_px | Pavement Analysis Acceptable Minimum Range on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|-------------------------|----------------|
| X | B | typdrd | PvtAnalysisOptiml_px | Pavement Analysis Optimal on Cross Sections - Component Property | 2 | 0 / Continuous | 1 |
| X | | typdrd | Railing | Railings; Piperail, Guiderail, Handrail Used for Pedestrian and Bicycles (All) | 9 | 0 / Continuous | 2 |
| X | | typdrd | Railing_px | Railing Components and Cross Section Shapes | 9 | 0 / Continuous | 2 |
| | | typdrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | typdrd | RipRap_px | Rip Rap, Rubble on Cross Sections | 4 | 1 / DGN1 | 2 |
| X | | typdrd | RWLine | Right of Way Lines | 4 | RW-Proposed | 2 |
| X | | typdrd | RWLine_ep | Right of Way Lines (Existing) | 3 | RW-Existing | 1 |
| X | | typdrd | RWLine_ex | Right of Way Lines on Cross Sections (Existing) | 3 | RW-Existing | 1 |
| X | | typdrd | RWLine_px | Right of Way Lines on Cross Sections | 4 | RW-Proposed | 2 |
| X | | typdrd | SanitaryFM_px | Force Main Lines on Cross Sections | 2 | 0 / Continuous | 1 |
| X | | typdrd | SanitarySewer_ex | Sanitary Sewer on Cross Sections (Existing) | 2 | 2 / DGN2 | 0 |
| X | | typdrd | SanitarySewer_px | Sanitary Sewer on Cross Sections | 2 | 0 / Continuous | 1 |
| | | typdrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | typdrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | typdrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | typdrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | typdrd | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | typdrd | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |
| | | typdrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | typdrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | typdrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | typdrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| X | | typdrd | ShldrBase_px | Shoulder Base on Cross Sections | 3 | 0 / Continuous | 2 |
| | | typdrd | ShldrHatch | Shoulder Hatch Pattern | 1 | 0 / RD-PavedShldr6 | 1 |
| X | | typdrd | ShldrMilling_px | Shoulder Milling Component on Cross Sections - Component Property | 7 | 0 / Continuous | 2 |
| X | | typdrd | ShldrOverbuild_px | Shoulder Overbuild on Cross Sections - Component Property | 4 | 0 / Continuous | 1 |
| X | | typdrd | ShldrOverlay_px | Shoulder Overlay on Cross Sections - Component Property | 1 | 0 / Continuous | 1 |
| X | | typdrd | ShldrPaved | Shoulder Line (Paved) | 1 | 0 / Continuous | 1 |
| X | | typdrd | ShldrPaved_px | Shoulder Lines on Cross Sections (Paved) | 1 | 0 / Continuous | 2 |
| X | | typdrd | ShldrUnpaved | Shoulder Line (Unpaved) | 0 | 0 / Continuous | 0 |
| X | | typdrd | ShldrUnpaved_px | Shoulder Lines on Cross Sections (Unpaved) | 2 | 0 / Continuous | 2 |
| X | | typdrd | Shrub | Shrubs | 2 | 0 / Continuous | 1 |
| X | | typdrd | Sidewalk_ex | Sidewalk Elements on Cross Sections (Existing) | 0 | 2 / DGN2 | 1 |
| X | | typdrd | Sidewalk_px | Sidewalk Elements on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | typdrd | SidewalkBack | Back of Sidewalk | 2 | 0 / Continuous | 1 |
| X | | typdrd | SidewalkBase_px | Sidewalk Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | typdrd | SidewalkConc | Sidewalk Concrete Shape | 0 | 0 / Continuous | 2 |
| X | | typdrd | SidewalkFront | Front of Sidewalk | 1 | 0 / Continuous | 1 |
| X | | typdrd | SignalWorkZone | Traffic Signal / Portable Signal | 3 | 0 / Continuous | 2 |
| X | | typdrd | SignWorkZone | Work Zone Signs | 6 | 0 / Continuous | 2 |
| X | | typdrd | Slopes | Slopes (Top, Bottom) | 9 | 3 / DGN3 | 0 |
| X | | typdrd | Slopes_px | Slope Lines on Cross Sections | 9 | 0 / Continuous | 2 |
| X | | typdrd | Sod | Performance Sod | 2 | 0 / Continuous | 2 |
| X | | typdrd | SoilBoxes_px | Soil Boxes and Borings on Cross Sections | 4 | 0 / Continuous | 1 |
| | | typdrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| | | typdrd | SpecialDetails_px | Special Details on Cross Sections | 6 | 0 / Continuous | 1 |
| | | typdrd | StationTicL_dp | Station Tic Marks (Large) and Text | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|--|---------------|-------------------------|----------------|
| | | typdrd | StationTicS_dp | Station Tic Marks (Small) and Text | 0 | 0 / Continuous | 2 |
| X | | typdrd | StreetLights | Street Lights | 2 | 0 / Continuous | 1 |
| X | | typdrd | StreetLights_px | Street Lights on Cross Sections | 3 | 0 / Continuous | 1 |
| | | typdrd | Structure_px | Signal and Sign Structures on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | typdrd | SubDsgn_px | Sub Design on Cross Sections Including Sub-base | 4 | 0 / Continuous | 1 |
| X | | typdrd | Subsoil_px | Subsoil or Undercut on Cross Sections | 4 | 0 / Continuous | 2 |
| X | | typdrd | SubsoilFinal_px | Subsoil Final for Multiline on Cross Sections | 18 | 0 / Continuous | 1 |
| X | | typdrd | SubsoilProp_px | Subsoil Proposed for Multiline on Cross Sections | 8 | 0 / Continuous | 1 |
| | B | typdrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| | B | typdrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| | B | typdrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| | A | typdrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | B | typdrd | TemplateBottom_px | Bottom of Template for Multiline on Cross Sections | 6 | 0 / Continuous | 1 |
| X | B | typdrd | TemplateFinal_px | Final Template for Multiline on Cross Sections | 2 | 0 / Continuous | 1 |
| X | B | typdrd | TemplateTop_px | Top of Template for Multiline on Cross Sections | 7 | 0 / Continuous | 1 |
| X | | typdrd | TerrainLine_ex | Ground Line for Multiline on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| | | typdrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | typdrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | typdrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | typdrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | typdrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | typdrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | typdrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | typdrd | TextGeotech | Text - Soil Borings and Labels | 0 | 0 / Continuous | 2 |
| | | typdrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | typdrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | typdrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | typdrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | typdrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | typdrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | typdrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | typdrd | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | typdrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | typdrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | typdrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | typdrd | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | typdrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | typdrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | typdrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | typdrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | typdrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| X | | typdrd | TrafficControlMisc | Traffic Control Items (Miscellaneous) | 3 | 0 / Continuous | 1 |
| X | | typdrd | TrafSeparator | Traffic Separator (All Types) | 6 | 0 / Continuous | 1 |
| X | | typdrd | TrafSeparator_px | Traffic Separator on Cross Sections (All Types) | 6 | 0 / Continuous | 2 |
| X | | typdrd | TrafSeparatorBase_px | Traffic Separator Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | typdrd | Tree | Trees, Tree Line Pattern | 2 | 0 / Continuous | 1 |
| X | | typdrd | TreeGrate | Tree Grate | 5 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|---|---------------|-------------------------|----------------|
| X | | typdrd | TreeProtection | Tree Protection Symbol | 5 | RD-TreeProtection | 2 |
| X | | typdrd | TubularMarker_px | Tubular Markers on Typical | 6 | 0 / Continuous | 2 |
| X | | typdrd | Turf | Performance Turf | 100 | 0 / Continuous | 2 |
| | | typdrd | TypicalMisc | Typical Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| X | | typdrd | UnderDrain | Underdrains (All Types) | 10 | 0 / Continuous | 2 |
| | | typdrd | UtilsMisc_px | Utility Items on Cross Sections (Miscellaneous) | 8 | 0 / Continuous | 1 |
| | | typdrd | Vehicle | Vehicle for Calculating Turning Radius | 7 | 0 / Continuous | 2 |
| | A | typdrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| | | typdrd | VoidArea_dx | Void Area on Cross Sections | 1 | 0 / Continuous | 0 |
| X | | typdrd | WallBarrier | Barrier Wall (All Types) | 6 | 0 / Continuous | 2 |
| X | | typdrd | WallBarrier_ex | Barrier Wall on Cross Section (Existing) | 6 | 3 / DGN3 | 1 |
| X | | typdrd | WallBarrier_px | Barrier Wall on Cross Section | 6 | 0 / Continuous | 2 |
| X | | typdrd | WallFooter_px | Wall Footer (Concrete) on Cross Sections - Component Symbology/Material on All Wall Footers/Leveling Pads | 2 | 0 / Continuous | 1 |
| X | | typdrd | WallGravBase_px | Gravity Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | typdrd | WallGravity | Gravity Wall | 11 | 0 / Continuous | 1 |
| X | | typdrd | WallGravity_px | Gravity Wall on Cross Sections | 11 | 0 / Continuous | 2 |
| X | | typdrd | WallMedianBase_px | Median Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | typdrd | WallRetain | Retaining Wall System | 6 | 0 / Continuous | 1 |
| X | | typdrd | WallRetain_pr | Retaining Wall Profile | 9 | 0 / Continuous | 2 |
| X | | typdrd | WallRetain_px | Retaining Walls on Cross Sections | 6 | 0 / Continuous | 1 |
| X | | typdrd | WallShldrBase_px | Shoulder Wall Subgrade on Cross Sections | 3 | 0 / Continuous | 2 |
| X | | typdrd | WallTempBarrier_px | Barrier Wall (Temporary) on Typical | 6 | 0 / Continuous | 2 |
| X | | typdrd | Water_ex | Water on Cross Sections (Existing) | 1 | 2 / DGN2 | 1 |
| X | | typdrd | Water_px | Water on Cross Sections | 1 | 0 / Continuous | 1 |
| | A | typdrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | typdrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | typdrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | typdrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| X | | typdrd | XSBaseTop_px | Cross Section Top of Base | 3 | 0 / Continuous | 2 |
| | | typdrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |
| X | | typdrd | XSExtendGrdLine_ex | Cross Section Extend Ground Lines (Existing) | 21 | 2 / DGN2 | 1 |
| X | | typdrd | XSGrdLine_ex | Cross Section Ground Lines (Existing) | 2 | 2 / DGN2 | 1 |
| X | | typdrd | XSGrdLine_px | Cross Section Roadway Ground Lines | 1 | 0 / Continuous | 2 |
| | | typdrd | XSMisc_px | Cross Section Items (Miscellaneous) | 0 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep01_dp | Cross Section Shape Dependent | 11 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep02_dp | Cross Section Shape Dependent | 12 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep03_dp | Cross Section Shape Dependent | 13 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep04_dp | Cross Section Shape Dependent | 14 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep05_dp | Cross Section Shape Dependent | 15 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep06_dp | Cross Section Shape Dependent | 16 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep07_dp | Cross Section Shape Dependent | 17 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep08_dp | Cross Section Shape Dependent | 18 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep09_dp | Cross Section Shape Dependent | 19 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeDep10_dp | Cross Section Shape Dependent | 20 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep01_dp | Cross Section Shape Independent | 1 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep02_dp | Cross Section Shape Independent | 2 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|-------------------------|----------------|
| | B | typdrd | XSShapeIndep03_dp | Cross Section Shape Independent | 3 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep04_dp | Cross Section Shape Independent | 4 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep05_dp | Cross Section Shape Independent | 5 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep06_dp | Cross Section Shape Independent | 6 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep07_dp | Cross Section Shape Independent | 7 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep08_dp | Cross Section Shape Independent | 8 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep09_dp | Cross Section Shape Independent | 9 | 0 / Continuous | 2 |
| | B | typdrd | XSShapeIndep10_dp | Cross Section Shape Independent | 10 | 0 / Continuous | 2 |
| X | | typdrd | XSTypical_px | Cross Section Roadway Pavement Typical | 1 | 0 / Continuous | 2 |

UTADR - Utilities Adjustment

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | ByLevel Weight |
|----------|----------|-------|--------------------|--|---------------|----------------------------|----------------|
| | B | utadr | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | utadr | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | utadr | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| | | utadr | Beacons_ep | Beacons and Path Illumination (Existing) | 0 | 0 / Continuous | 1 |
| X | | utadr | Capacitor | Capacitors (All Types) | 3 | 0 / Continuous | 2 |
| | | utadr | Casing | Casing | 0 | UT-Casing-Proposed | 2 |
| X | | utadr | CATVAer | Cable TV Line (Aerial) | 6 | UT-OverheadCable-Proposed | 2 |
| | | utadr | CATVAer_ep | Cable TV Line (Aerial) (Existing) | 6 | UT-OverheadCable-Existing | 1 |
| X | | utadr | CATVBur | Cable TV Line (Buried) | 6 | UT-BuriedCable-Proposed | 2 |
| X | | utadr | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | utadr | CATVBurB_ep | Cable TV Line Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 |
| | | utadr | CATVBurC_ep | Cable TV Line Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 |
| | | utadr | CATVBurD_ep | Cable TV Line Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 |
| X | | utadr | CATVCond | Cable TV Conduit System | 6 | SG-Conduit | 2 |
| | | utadr | CATVCondBurB_ep | Cable TV Conduit System Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 |
| | | utadr | CATVCondBurC_ep | Cable TV Conduit System Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 |
| | | utadr | CATVCondBurD_ep | Cable TV Conduit System Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 |
| | | utadr | CATVMisc | Cable TV Service Box and Miscellaneous | 6 | 0 / Continuous | 2 |
| | | utadr | CATVMisc_ep | Cable TV Service Box and Miscellaneous, Pole (Existing) | 6 | 1 / DGN1 | 1 |
| | | utadr | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | utadr | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |
| X | | utadr | Conduit | Conduit for Utilities and Encasements | 3 | SG-Conduit | 2 |
| | | utadr | ConduitB_ep | Utility Conduit & Encasements Quality Level B Locate (Existing) | 3 | UT-Casing-Existing(B) | 1 |
| | | utadr | ConduitC_ep | Utility Conduit & Encasements Quality Level C Locate (Existing) | 3 | UT-Casing-Existing(C) | 1 |
| | | utadr | ConduitD_ep | Utility Conduit & Encasements Quality Level D Locate (Existing) | 3 | UT-Casing-Existing(D) | 1 |
| X | | utadr | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | utadr | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | utadr | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | utadr | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | utadr | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|-------|----------------|---|---------------|---------------------------|----------------|
| | | utadr | ConstLines | Construction Lines and Preferences | 1 | 0 / Continuous | 0 |
| | | utadr | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | utadr | Controller_ep | Controller and Accessories (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utadr | ControllerB_ep | Controller - Base Mounted (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utadr | ControllerP_ep | Controller Pole Mount (Existing) | 0 | 2 / DGN2 | 1 |
| | | utadr | Core_ep | Core Sample or Test Hole (Existing) | 9 | 0 / Continuous | 0 |
| | | utadr | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| | | utadr | Duct | Duct Pipe (Buried) | 7 | UT-Duct-Proposed | 2 |
| | | utadr | DummyChains_ep | Dummy Chains (Existing) | 0 | 0 / Continuous | 1 |
| X | | utadr | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | utadr | ElecAer | Electrical Lines (Aerial) | 3 | UT-OverheadElec-Proposed | 2 |
| | | utadr | ElecAer_ep | Electrical Conductors (Distribution & Transmission) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 |
| | | utadr | ElecAerPri_ep | Conductors (Primary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 |
| | | utadr | ElecAerSec_ep | Conductors (Secondary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 |
| X | | utadr | ElecBur | Electrical (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| | | utadr | ElecBurB_ep | Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 |
| | | utadr | ElecBurC_ep | Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 |
| | | utadr | ElecBurCap_ep | Capacitors (Buried) (Existing) | 3 | 1 / DGN1 | 1 |
| | | utadr | ElecBurD_ep | Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 |
| | | utadr | ElecBurPriB_ep | Conductors (Primary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 |
| | | utadr | ElecBurPriC_ep | Conductors (Primary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 |
| | | utadr | ElecBurPriD_ep | Conductors (Primary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 |
| | | utadr | ElecBurSecB_ep | Conductor (Secondary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 |
| | | utadr | ElecBurSecC_ep | Conductor (Secondary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 |
| | | utadr | ElecBurSecD_ep | Conductor (Secondary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 |
| | | utadr | ElecMisc | Fuses, Reclosures, Regulator, Sectionalizers | 3 | 0 / Continuous | 2 |
| | | utadr | ElecMisc_ep | Capacitors (Above Ground), Switchgear, Transformer, Electrical Service Box (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | ElecOutlet | Electrical Outlet | 3 | 0 / Continuous | 2 |
| | | utadr | ElecOutlet_ep | Electrical Outlet (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | ElecServ | Electrical Service (Miscellaneous) | 3 | 0 / Continuous | 2 |
| X | | utadr | ElecServWire | Electrical Service Wire | 3 | 0 / Continuous | 2 |
| X | | utadr | FireHydrant | Fire Hydrant | 1 | 0 / Continuous | 2 |
| | | utadr | FireHydrant_ep | Fire Hydrant (Existing) | 1 | 1 / DGN1 | 1 |
| | | utadr | FloodLight_ep | Flood Light (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | FOCAer | Fiber Optics Cable (Aerial) | 6 | UT-OverheadFOC-Proposed | 2 |
| X | | utadr | FOCBur | Fiber Optics Cable (Buried) | 6 | UT-BuriedFOC-Proposed | 2 |
| | | utadr | FOCBurB_ep | Fiber Optics Cable Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedFOC(B)-Existing | 1 |
| | | utadr | FOCBurC_ep | Fiber Optics Cable Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedFOC(C)-Existing | 1 |
| | | utadr | FOCBurD_ep | Fiber Optics Cable Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedFOC(D)-Existing | 1 |
| X | | utadr | FOEElecAer | Fiber Optics Electrical (Aerial) | 3 | UT-OverheadFOE-Proposed | 2 |
| X | | utadr | FOEElecAer_ep | Fiber Optics Electrical (Aerial) (Existing) | 3 | UT-OverheadFOE-Existing | 2 |
| X | | utadr | FOEElecBur | Fiber Optics Electrical (Buried) | 3 | UT-BuriedFOE-Proposed | 2 |
| | | utadr | FOEElecBurB_ep | Fiber Optics Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedFOE(B)-Existing | 1 |
| | | utadr | FOEElecBurC_ep | Fiber Optics Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedFOE(C)-Existing | 1 |
| | | utadr | FOEElecBurD_ep | Fiber Optics Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedFOE(D)-Existing | 1 |
| X | | utadr | FOTAer | Fiber Optics Telephone (Aerial) (Size Unknown) | 6 | UT-OverheadFOT-Proposed | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|-------|--------------------|--|---------------|---------------------------|----------------|
| | | utadr | FOTAer_ep | Fiber Optics Telephone (Aerial) (Size Unknown) (Existing) | 6 | UT-OverheadFOT-Existing | 2 |
| X | | utadr | FOTBur | Fiber Optics Telephone (Buried) (Size Unknown) | 6 | UT-BuriedFOT-Proposed | 2 |
| | | utadr | FOTBurB_ep | Fiber Optics Telephone Quality Level B Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(B)-Existing | 1 |
| | | utadr | FOTBurC_ep | Fiber Optics Telephone Quality Level C Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(C)-Existing | 1 |
| | | utadr | FOTBurD_ep | Fiber Optics Telephone Quality Level D Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(D)-Existing | 1 |
| X | | utadr | Gas | Gas Pipe and Fittings | 4 | UT-Gas-Proposed | 2 |
| | | utadr | Gas_ep | Gas Test & Miscellaneous (Existing) | 4 | 1 / DGN1 | 1 |
| | | utadr | GasB_ep | Gas Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Gas-Existing(B) | 1 |
| | | utadr | GasC_ep | Gas Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Gas-Existing(C) | 1 |
| | | utadr | GasD_ep | Gas Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Gas-Existing(D) | 1 |
| | | utadr | GasMisc | Gas Regulator and Miscellaneous Items | 4 | 0 / Continuous | 2 |
| | | utadr | GasReg_ep | Gas Regulator (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utadr | Gauges | Gauges | 0 | 0 / Continuous | 2 |
| | | utadr | Gauges_ep | Gauges (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utadr | Generator | Emergency Generator | 0 | 0 / Continuous | 2 |
| | | utadr | GridMaj_dp | Grid Lines Major in Profile and Cross Section | 3 | 0 / Continuous | 1 |
| | | utadr | GridMin_dp | Grid Lines Minor in Profile and Cross Section | 0 | 0 / Continuous | 0 |
| | | utadr | GridMinSub_dp | Grid Lines Minor Sub on Cross Section Sheets | 20 | 0 / Continuous | 0 |
| X | | utadr | GuyWire | Guy Wire | 3 | 0 / Continuous | 2 |
| | | utadr | GuyWire_ep | Guy Anchor, Guy Pole, Span Guys (Existing) | 3 | 1 / DGN1 | 1 |
| | | utadr | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | utadr | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| X | | utadr | JunctBox | Junction Boxes, Service Cabinet (Elec/Tel) | 3 | 0 / Continuous | 2 |
| | | utadr | JunctBox_ep | Junction Boxes, Service Cabinet (Elec/Tel) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | utadr | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| | | utadr | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | utadr | LiteCond_ep | Street Lighting Conductors (Existing) | 3 | SG-Conduit-Existing | 0 |
| X | | utadr | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | utadr | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | utadr | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | utadr | LoopLI_ep | Loop Lead-In (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utadr | Loops_ep | Loop Assembly (All Types) (Existing) | 2 | 2 / DGN2 | 2 |
| X | | utadr | Luminaire | Luminaires (Decorative - All Types) | 2 | 0 / Continuous | 1 |
| | | utadr | Luminaire_ep | Street Light / Pole (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| X | | utadr | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| | | utadr | ManholeCOMM | Manhole (Communications) | 6 | 0 / Continuous | 1 |
| | | utadr | ManholeCOMM_ep | Manhole (Communications) (Existing) | 6 | 1 / DGN1 | 1 |
| X | | utadr | ManholeElec | Manhole (Electric) | 3 | 0 / Continuous | 2 |
| | | utadr | ManholeElec_ep | Manhole (Electric) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | ManholeGas | Manhole (Gas) | 4 | 0 / Continuous | 2 |
| | | utadr | ManholeGas_ep | Manhole (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utadr | ManholeSS | Manhole (Sanitary Sewer) | 2 | 0 / Continuous | 2 |
| | | utadr | ManholeSS_ep | Manhole (Sanitary Sewer) (Existing) | 2 | 1 / DGN1 | 1 |
| X | | utadr | ManholeSW | Manhole (Storm Water) | 10 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|-------|-------------------|--|---------------|--------------------------|----------------|
| | | utadr | ManholeSW_ep | Manhole (Storm Water) (Existing) | 10 | 1 / DGN1 | 1 |
| X | | utadr | ManholeTel | Manhole (Telephone) | 6 | 0 / Continuous | 2 |
| | | utadr | ManholeTel_ep | Manhole (Telephone) (Existing) | 6 | 1 / DGN1 | 1 |
| X | | utadr | ManholeUnknown | Manhole (Unknown) | 0 | 0 / Continuous | 2 |
| | | utadr | ManholeUnknown_ep | Manhole (Unknown) (Existing) | 0 | 1 / DGN1 | 1 |
| | | utadr | ManholeWater | Manhole (Water) | 1 | 0 / Continuous | 1 |
| | | utadr | ManholeWater_ep | Manhole (Water) (Existing) | 1 | 1 / DGN1 | 1 |
| | | utadr | MatchLines_dp | Match Lines with Text, Arrows for Station Notations | 1 | 0 / Continuous | 2 |
| X | | utadr | MeterElec | Meter (Electric) | 3 | 0 / Continuous | 2 |
| | | utadr | MeterElec_ep | Meter (Electric) (Existing) | 3 | 1 / DGN1 | 1 |
| | | utadr | MeterElecBur_ep | Meter (Electric) (Buried) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | MeterGas | Meter (Gas) | 4 | 0 / Continuous | 2 |
| | | utadr | MeterGas_ep | Meter (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| | | utadr | MeterUnk | Meter (Unknown) | 0 | 0 / Continuous | 2 |
| | | utadr | MeterUnk_ep | Meter (Unknown) (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utadr | MeterWater | Meter (Water) | 1 | 0 / Continuous | 2 |
| | | utadr | MeterWater_ep | Meter (Water) (Existing) | 1 | 1 / DGN1 | 1 |
| | | utadr | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | utadr | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | utadr | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | utadr | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | utadr | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | utadr | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | utadr | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | utadr | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | utadr | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | utadr | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | utadr | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| | | utadr | NorthArw_dp | North Arrows | 0 | 0 / Continuous | 2 |
| X | | utadr | Oil | Oil Pipeline, Petroleum | 4 | UT-Petroleum-Proposed | 2 |
| | | utadr | Oil_B_ep | Oil Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Petroleum-Existing(B) | 1 |
| | | utadr | Oil_C_ep | Oil Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Petroleum-Existing(C) | 1 |
| | | utadr | Oil_D_ep | Oil Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Petroleum-Existing(D) | 1 |
| X | | utadr | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utadr | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | utadr | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | utadr | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | utadr | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | utadr | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 2 / DGN2 | 1 |
| | | utadr | PedSignal_ep | Pedestrian Signal Unit, Signage (Existing) | 0 | 2 / DGN2 | 0 |
| | | utadr | PipeEncaseB_ep | Pipe Encasements Quality Level B Locate (Existing) | 0 | UT-Casing-Existing(B) | 1 |
| | | utadr | PipeEncaseC_ep | Pipe Encasements Quality Level C Locate (Existing) | 0 | UT-Casing-Existing(C) | 1 |
| | | utadr | PipeEncaseD_ep | Pipe Encasements Quality Level D Locate (Existing) | 0 | UT-Casing-Existing(D) | 1 |
| X | | utadr | PlotBorder_dp | Plot Border | 3 | 0 / Continuous | 0 |
| | | utadr | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | utadr | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|-------|----------------------|--|---------------|-----------------------------|----------------|
| X | | utadr | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utadr | PoleElec | Electrical Pole w/ Transformer | 3 | 0 / Continuous | 2 |
| | | utadr | PoleElec_ep | Electrical Pole With or Without Transformer, Shared Pole (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | utadr | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | utadr | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | utadr | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | utadr | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | utadr | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | utadr | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | utadr | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | utadr | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utadr | PoleTel | Telephone Pole | 6 | 0 / Continuous | 2 |
| | | utadr | PoleTel_ep | Telephone Pole (Existing) | 6 | 1 / DGN1 | 1 |
| X | | utadr | PoleUtil | Utility Pole | 0 | 0 / Continuous | 2 |
| X | | utadr | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |
| X | | utadr | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utadr | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | utadr | PullBox_ep | Wiring Pull Box (Existing) | 3 | 1 / DGN1 | 1 |
| | | utadr | Pump | Pump (Petroleum / Fuel) | 7 | 0 / Continuous | 2 |
| X | | utadr | PumpNonPet | Pump (Non Petroleum) | 1 | 0 / Continuous | 2 |
| | | utadr | PumpNonPet_ep | Pump (Non Petroleum) (Existing) | 1 | 1 / DGN1 | 1 |
| | | utadr | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | utadr | SanitaryFM | Force Main Lines | 2 | UT-Sanitary-Proposed | 2 |
| | | utadr | SanitaryFM_B_ep | Force Main (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 |
| | | utadr | SanitaryFM_C_ep | Force Main (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 |
| | | utadr | SanitaryFM_D_ep | Force Main (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 |
| X | | utadr | SanitarySewer | Sanitary Sewer | 2 | UT-Sanitary-Proposed | 2 |
| | | utadr | SanitarySewerB_ep | Sanitary Sewer (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 |
| | | utadr | SanitarySewerC_ep | Sanitary Sewer (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 |
| | | utadr | SanitarySewerD_ep | Sanitary Sewer (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 |
| | | utadr | SanitarySewerDSta | Sewer Sewer Dump Station | 2 | 00 / Continuous | 2 |
| | | utadr | SanitarySewerDSta_ep | Dump Station (SS) (Existing) | 2 | 2 / DGN2 | 1 |
| X | | utadr | SanitarySewerEff | Sanitary Sewer Effluent NPW | 5 | UT-NonPotableWater-Proposed | 2 |
| X | | utadr | SanitarySewerEff_ex | Sanitary Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | utadr | SanitarySewerEff_px | Sanitary Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| | | utadr | SanitarySewerMisc | Sewer Items (Miscellaneous) | 2 | 0 / Continuous | 2 |
| | | utadr | SanitarySewerMisc_ep | Cleanout, Sanitary Effluent (Open Channel), Pump Station (Existing) | 2 | 1 / DGN1 | 1 |
| | | utadr | SateDish_ep | Satellite Dish Antenna (Existing) | 6 | 4 / DGN4 | 1 |
| | | utadr | Scale_dp | Bar Scale, Scale Label Elements | 0 | 0 / Continuous | 2 |
| | | utadr | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | utadr | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |
| | | utadr | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | utadr | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | utadr | SheetBorder_dp | Sheet Border | 1 | 0 / Continuous | 4 |
| | | utadr | SheetLines_dp | Sheet Lines | 1 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|--------|--------------------|--|---------------|--------------------------|----------------|
| | | utadrd | SheetLinesMisc1_dp | Sheet Lines | 1 | 0 / Continuous | 0 |
| | | utadrd | SheetLinesMisc2_dp | Sheet Lines | 2 | 0 / Continuous | 2 |
| | | utadrd | SheetLinesMisc3_dp | Sheet Lines | 3 | 0 / Continuous | 2 |
| | | utadrd | SheetLinesMisc4_dp | Sheet Lines | 4 | 0 / Continuous | 2 |
| | | utadrd | Signal_ep | Signal Head, Signal on Pedestal (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadrd | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| | | utadrd | SignalLoop_ep | Traffic Detector Loops (Existing) | 7 | 1 / DGN1 | 2 |
| | | utadrd | SignalMisc_ep | Signal Equipment Including Control Unit (Miscellaneous) (Existing) | 3 | 2 / DGN2 | 0 |
| | | utadrd | SignalSupport_ep | Signal Supports Including Mast Arm (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utadrd | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utadrd | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | utadrd | SignMulti_ep | Multi-column Sign (All Signs) (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utadrd | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| | | utadrd | SignSingle_ep | Sign (Single Support) (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utadrd | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | utadrd | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| | | utadrd | SignSupport_ep | Trusses and Cantilevers for Overhead Signs (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utadrd | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | utadrd | SpanWire_ep | Signal / Span Wire Pole (Existing) | 3 | 2 / DGN2 | 0 |
| | | utadrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| X | | utadrd | Sprinkler | Sprinkler Head | 1 | 0 / Continuous | 2 |
| | | utadrd | Sprinkler_ep | Sprinkler Head (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utadrd | Steam | Steam Pipes | 1 | UT-Steam-Proposed | 2 |
| | | utadrd | SteamB_ep | Steam Line Quality Level B Locate (Existing) | 4 | UT-Steam-Existing(B) | 1 |
| | | utadrd | SteamC_ep | Steam Line Quality Level C Locate (Existing) | 4 | UT-Steam-Existing(C) | 1 |
| | | utadrd | SteamD_ep | Steam Line Quality Level D Locate (Existing) | 4 | UT-Steam-Existing(D) | 1 |
| X | | utadrd | StreetLights | Street Lights | 2 | 0 / Continuous | 1 |
| | | utadrd | SU_QLB_ep | Subsurface Utility Quality Level B Locate Point (Existing) | 0 | 0 / Continuous | 1 |
| | | utadrd | SU_QLC_ep | Subsurface Utility Quality Level C Locate Point (Existing) | 0 | 0 / Continuous | 1 |
| | | utadrd | SU_QLD_ep | Subsurface Utility Quality Level D Locate Point (Existing) | 0 | 0 / Continuous | 1 |
| B | | utadrd | SumBoxBorder_dp | Summary Boxes Borders | 4 | 0 / Continuous | 3 |
| B | | utadrd | SumBoxLines_dp | Summary Boxes Lines and Miscellaneous Items | 4 | 0 / Continuous | 1 |
| B | | utadrd | SumBoxLinesMin_dp | Summary Boxes Lines Minor Line and Miscellaneous Items | 4 | 0 / Continuous | 0 |
| X | | utadrd | Switchgear | Switchgear and Appurtenances | 3 | 0 / Continuous | 2 |
| A | | utadrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | utadrd | TeleAer | Telephone (Aerial) | 6 | UT-OverheadTel-Proposed | 2 |
| | | utadrd | TeleAer_ep | Telephone Line (Aerial) (Existing) | 6 | UT-OverheadTel-Existing | 1 |
| X | | utadrd | TeleBur | Telephone (Buried) | 6 | UT-BuriedTel-Proposed | 2 |
| X | | utadrd | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| | | utadrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 |
| | | utadrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 |
| | | utadrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 |
| | | utadrd | TeleMisc | Telephone Service Box, Booth or Pedestal | 6 | 0 / Continuous | 2 |
| | | utadrd | TeleMisc_ep | Telephone Service Box, Booth or Pedestal (Existing) | 6 | 1 / DGN1 | 1 |
| | | utadrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | utadrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|-------|---------------------|---|---------------|--------------------------|----------------|
| | | utadr | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | utadr | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | utadr | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | utadr | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | utadr | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |
| | | utadr | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | utadr | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | utadr | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | utadr | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | utadr | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | utadr | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | utadr | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | utadr | TextProjLabel | Text - Begin and End Project Label with Leader Lines | 1 | 0 / Continuous | 2 |
| | | utadr | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | utadr | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | utadr | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | utadr | TextSurveyLabel | Text - Survey Labels | 0 | 0 / Continuous | 0 |
| | | utadr | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | utadr | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | utadr | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | utadr | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | utadr | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | utadr | TopoMisc_ep | Topography (Miscellaneous) (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utadr | Tower | High Mast Light Poles or Towers, Transmission Tower, Antenna | 3 | 0 / Continuous | 2 |
| | | utadr | Tower_ep | High Mast Light Poles or Towers, Transmission Tower, Antenna (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utadr | TransformerAer | Transformer (Above Ground) | 3 | 0 / Continuous | 2 |
| X | | utadr | TransformerBur | Transformer (Buried) | 3 | 0 / Continuous | 2 |
| X | | utadr | TransmissionAer | Electric Conductors (Distribution & Transmission) (Aerial) | 3 | UT-OverheadElec-Proposed | 2 |
| X | | utadr | TransmissionBur | Electric Conductors (Distribution & Transmission) (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| X | | utadr | TransmissionT | Transmission Tower Single | 3 | 0 / Continuous | 2 |
| | | utadr | UtilMisc_ep | Utility Items (Miscellaneous) (Existing) | 0 | 0 / Continuous | 0 |
| | | utadr | UtilsMisc | Utility Items (Miscellaneous) | 8 | 0 / Continuous | 2 |
| X | | utadr | UtilsProposed | Facilities/Utilities as shown in Utility Adjustments | 9 | 0 / Continuous | 2 |
| X | | utadr | Valve | Valve, Valve Box (Unknown) | 0 | 0 / Continuous | 2 |
| | | utadr | Valve_ep | Valve, Valve Box (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utadr | ValveCover | Valve Cover (Unknown) | 0 | 0 / Continuous | 2 |
| | | utadr | ValveCover_ep | Valve Cover (Unknown) (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utadr | ValveCvrEff | Valve Cover (Effluent) | 5 | 0 / Continuous | 2 |
| | | utadr | ValveCvrEff_ep | Valve Cover (Effluent) (Existing) | 5 | 1 / DGN1 | 1 |
| X | | utadr | ValveCvrGas | Valve Cover (Gas) | 4 | 0 / Continuous | 2 |
| | | utadr | ValveCvrGas_ep | Valve Cover (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utadr | ValveCvrSewer | Valve Cover (Sewer) | 2 | 0 / Continuous | 2 |
| | | utadr | ValveCvrSewer_ep | Valve Cover (Sewer) (Existing) | 2 | 1 / DGN1 | 1 |
| X | | utadr | ValveCvrWater | Valve Cover (Water) | 1 | 0 / Continuous | 2 |
| | | utadr | ValveCvrWater_ep | Valve Cover (Water) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utadr | ValveCvrWaterNP | Water Line Non Potable | 5 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevel Style | Bylevel Weight |
|----------|----------|-------|--------------------|--|---------------|--------------------------------|----------------|
| | | utadr | ValveCvrWaterNP_ep | Valve Cover (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 |
| X | | utadr | ValveGas | Valve, Valve Box (Gas) | 4 | 0 / Continuous | 2 |
| | | utadr | ValveGas_ep | Valve (Gas), Valve Box (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utadr | ValveSewer | Valve, Valve Box (Sewer) | 2 | 0 / Continuous | 2 |
| | | utadr | ValveSewer_ep | Valve (Sewer), Valve Box (Existing) | 2 | 1 / DGN1 | 1 |
| X | | utadr | ValveWater | Valve, Valve Box (Water) | 1 | 0 / Continuous | 2 |
| | | utadr | ValveWater_ep | Valve (Water), Valve Box (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utadr | ValveWaterNP | Water Line (Non Potable) | 5 | 0 / Continuous | 2 |
| | | utadr | ValveWaterNP_ep | Valve (Non-potable Water), Valve Box (Existing) | 8 | 1 / DGN1 | 1 |
| | | utadr | Vault_ep | Vaults Above Grade and Below Grade (Existing) | 3 | 1 / DGN1 | 0 |
| X | | utadr | Vaults | Vaults Above Grade and Below Grade | 3 | 0 / Continuous | 2 |
| X | | utadr | VaultsRW | Vaults (Raw Water) | 1 | 0 / Continuous | 2 |
| | | utadr | Vent | Vent (Unknown) | 0 | 0 / Continuous | 2 |
| | | utadr | Vent_ep | Vent (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utadr | VentGas | Vent (Gas) | 4 | 0 / Continuous | 2 |
| | | utadr | VentGas_ep | Vent (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utadr | VentSewer | Vent (Sewer) | 2 | 0 / Continuous | 2 |
| | | utadr | VentSewer_ep | Vent (Sewer) (Existing) | 2 | 1 / DGN1 | 1 |
| A | | utadr | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | utadr | Water | Water Line | 1 | UT-Water-Proposed | 2 |
| | | utadr | WaterB_ep | Water Line (All Sizes) Quality Level B Locate (Existing) | 1 | UT-Water-Existing(B) | 1 |
| | | utadr | WaterC_ep | Water Line (All Sizes) Quality Level C Locate (Existing) | 1 | UT-Water-Existing(C) | 1 |
| | | utadr | WaterD_ep | Water Line (All Sizes) Quality Level D Locate (Existing) | 1 | UT-Water-Existing(D) | 1 |
| X | | utadr | WaterFct | Standpipe and Water Faucet | 1 | 0 / Continuous | 2 |
| X | | utadr | WaterFilter | Water Filter | 5 | 0 / Continuous | 2 |
| | | utadr | WaterMisc_ep | Faucet, Standpipe (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utadr | WaterNP | Water Line (Non Potable) | 5 | UT-NonPotableWater-Proposed | 2 |
| | | utadr | WaterNP_B_ep | Non-potable Water Line (All Sizes) Quality Level B Locate (Existing) | 5 | UT-NonPotableWater-Existing(B) | 1 |
| | | utadr | WaterNP_C_ep | Non-potable Water Line (All Sizes) Quality Level C Locate (Existing) | 5 | UT-NonPotableWater-Existing(C) | 1 |
| | | utadr | WaterNP_D_ep | Non-potable Water Line (All Sizes) Quality Level D Locate (Existing) | 5 | UT-NonPotableWater-Existing(D) | 1 |
| X | | utadr | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | utadr | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |
| X | | utadr | Well | Well (Any Size) | 1 | 1 / DGN1 | 2 |
| | | utadr | Well_ep | Well (Any Size) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utadr | WellMon | Well Monitoring | 1 | 0 / Continuous | 2 |
| | | utadr | WellMon_ep | Well Monitoring, Taps (Existing) | 1 | 1 / DGN1 | 1 |
| A | | utadr | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | utadr | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | utadr | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| A | | utadr | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | utadr | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |

UTEXRD - Utilities Existing

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight | Point /Line | Feature Code |
|----------|----------|--------|-----------------|---|---------------|----------------------------|----------------|-------------|--------------|
| | | utexrd | Beacons_ep | Beacons and Path Illumination (Existing) | 0 | 0 / Continuous | 1 | p | BN |
| | | utexrd | CATVAer_ep | Cable TV Line (Aerial) (Existing) | 6 | UT-OverheadCable-Existing | 1 | L | CATV |
| | | utexrd | CATVBurB_ep | Cable TV Line Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 | L | BCATVB |
| | | utexrd | CATVBurC_ep | Cable TV Line Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 | L | BCATVC |
| | | utexrd | CATVBurD_ep | Cable TV Line Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 | L | BCATVD |
| | | utexrd | CATVCondBurB_ep | Cable TV Conduit System Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 | L | CATVCB |
| | | utexrd | CATVCondBurC_ep | Cable TV Conduit System Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 | L | CATVCC |
| | | utexrd | CATVCondBurD_ep | Cable TV Conduit System Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 | L | CATVCD |
| | | utexrd | CATVMisc_ep | Cable TV Service Box and Miscellaneous, Pole (Existing) | 6 | 1 / DGN1 | 1 | P | CATVS |
| | | utexrd | ConduitB_ep | Utility Conduit & Encasements Quality Level B Locate (Existing) | 3 | UT-Casing-Existing(B) | 1 | L | DUCTB |
| | | utexrd | ConduitC_ep | Utility Conduit & Encasements Quality Level C Locate (Existing) | 3 | UT-Casing-Existing(C) | 1 | L | DUCTC |
| | | utexrd | ConduitD_ep | Utility Conduit & Encasements Quality Level D Locate (Existing) | 3 | UT-Casing-Existing(D) | 1 | L | DUCTD |
| | | utexrd | ConstLines | Construction Lines and References | 1 | 0 / Continuous | 0 | | |
| | | utexrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 | | |
| | | utexrd | ElecAer_ep | High Voltage Transmission Line (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | HVL |
| | | utexrd | ElecAer_ep | Electrical Lines (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | PWR |
| | | utexrd | ElecAerPri_ep | Conductors (Primary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | PRI |
| | | utexrd | ElecAerSec_ep | Conductors (Secondary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 | L | SEC |
| | | utexrd | ElecBurB_ep | Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 | L | BPWRB |
| | | utexrd | ElecBurC_ep | Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 | L | BPWRC |
| | | utexrd | ElecBurCap_ep | Capacitors (Buried) (Existing) | 3 | 1 / DGN1 | 1 | L | CAPB |
| | | utexrd | ElecBurD_ep | Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 | L | BPWRD |
| | | utexrd | ElecBurPriB_ep | Conductors (Primary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 | L | TRANSB |
| | | utexrd | ElecBurPriC_ep | Conductors (Primary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 | L | TRANSC |
| | | utexrd | ElecBurPriD_ep | Conductors (Primary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 | L | TRANSD |
| | | utexrd | ElecBurSecB_ep | Conductor (Secondary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 | L | BSECB |
| | | utexrd | ElecBurSecC_ep | Conductor (Secondary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 | L | BSECC |
| | | utexrd | ElecBurSecD_ep | Conductor (Secondary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 | L | BSECD |
| | | utexrd | ElecMisc_ep | Capacitors (Above Ground) (Existing) | 3 | 1 / DGN1 | 1 | L | CAPA |
| | | utexrd | ElecMisc_ep | Electric Service Box (Large) (Existing) | 3 | 1 / DGN1 | 1 | L | ELECS |
| | | utexrd | ElecMisc_ep | Fuses (Existing) (Existing) | 3 | 1 / DGN1 | 1 | L | FUSE |
| | | utexrd | ElecMisc_ep | Switchgear & Appurtenances (Existing) | 3 | 1 / DGN1 | 1 | L | SW |
| | | utexrd | ElecMisc_ep | Transformer (Existing) | 3 | 1 / DGN1 | 1 | P | TRNF |
| | | utexrd | ElecOutlet_ep | Electrical Outlet (Existing) | 3 | 1 / DGN1 | 1 | P | ELEO |
| | | utexrd | FireHydrant_ep | Fire Hydrant (Existing) | 1 | 1 / DGN1 | 1 | P | FH |
| | | utexrd | FloodLight_ep | Flood Light (Existing) | 3 | 1 / DGN1 | 1 | P | FLD |
| | | utexrd | FOCAer_ep | Fiber Optics Cable (Aerial) (Existing) | 6 | UT-OverheadFOC-Existing | 1 | L | FOC |
| | | utexrd | FOCBurB_ep | Fiber Optics Cable Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedFOC(B)-Existing | 1 | L | FOCUB |
| | | utexrd | FOCBurB_ep | Fiber Optics Cable Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedFOC(B)-Existing | 1 | L | FOTVUB |
| | | utexrd | FOCBurB_ep | Fiber Optics Cable Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedFOC(B)-Existing | 1 | L | FOUB |
| | | utexrd | FOCBurC_ep | Fiber Optics Cable Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedFOC(C)-Existing | 1 | L | FOCUC |
| | | utexrd | FOCBurC_ep | Fiber Optics Cable Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedFOC(C)-Existing | 1 | L | FOTVUC |
| | | utexrd | FOCBurC_ep | Fiber Optics Cable Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedFOC(C)-Existing | 1 | L | FOUC |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|--------------------|--|---------------|--------------------------|----------------|--------------|--------------|
| | | utexrd | FOCBurD_ep | Fiber Optics Cable Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedFOC(D)-Existing | 1 | L | FOCUD |
| | | utexrd | FOCBurD_ep | Fiber Optics Cable Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedFOC(D)-Existing | 1 | L | FOTVUD |
| | | utexrd | FOCBurD_ep | Fiber Optics Cable Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedFOC(D)-Existing | 1 | L | FOUD |
| | | utexrd | FOEElecAer_ep | Fiber Optics Electrical (Aerial) (Existing) | 3 | UT-OverheadFOE-Existing | 1 | L | FOP |
| | | utexrd | FOEElecBurB_ep | Fiber Optics Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedFOE(B)-Existing | 1 | L | FOPUB |
| | | utexrd | FOEElecBurC_ep | Fiber Optics Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedFOE(C)-Existing | 1 | L | FOPUC |
| | | utexrd | FOEElecBurD_ep | Fiber Optics Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedFOE(D)-Existing | 1 | L | FOPUD |
| | | utexrd | FOTAer_ep | Fiber Optics Telephone (Aerial) (Size Unknown) (Existing) | 6 | UT-OverheadFOT-Existing | 1 | L | FO |
| | | utexrd | FOTBurB_ep | Fiber Optics Telephone Quality Level B Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(B)-Existing | 1 | L | FOB |
| | | utexrd | FOTBurC_ep | Fiber Optics Telephone Quality Level C Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(C)-Existing | 1 | L | FOC |
| | | utexrd | FOTBurD_ep | Fiber Optics Telephone Quality Level D Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(D)-Existing | 1 | L | FOD |
| | | utexrd | Gas_ep | Gas Test & Miscellaneous (Existing) | 4 | 1 / DGN1 | 1 | L | GTM |
| | | utexrd | GasB_ep | Gas Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Gas-Existing(B) | 1 | L | GASB |
| | | utexrd | GasC_ep | Gas Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Gas-Existing(C) | 1 | L | GASC |
| | | utexrd | GasD_ep | Gas Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Gas-Existing(D) | 1 | L | GASD |
| | | utexrd | GasReg_ep | Gas Regulator (Existing) | 4 | 1 / DGN1 | 1 | L | RG |
| | | utexrd | Gauges_ep | Gauges (Existing) | 0 | 1 / DGN1 | 1 | P | GA |
| | | utexrd | GuyWire_ep | Guy Anchor (Existing) | 3 | 1 / DGN1 | 1 | P | GYA |
| | | utexrd | GuyWire_ep | Guy Pole (Deadman) (Existing) | 3 | 1 / DGN1 | 1 | P | GYP |
| | | utexrd | GuyWire_ep | Span Guys (Existing) | 3 | 1 / DGN1 | 1 | L | GYS |
| | | utexrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 | | |
| | | utexrd | JunctBox_ep | Junction Box / Service Cabinet (Elec/Tel) (Existing) | 3 | 1 / DGN1 | 1 | P | SRVC |
| | | utexrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 | | |
| | | utexrd | LiteCond_ep | Street Lighting Conductors (Existing) | 3 | SG-Conduit-Existing | 0 | L | SLC |
| | | utexrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 | | |
| | | utexrd | Luminaire_ep | Street Light / Pole (Existing) | 3 | 1 / DGN1 | 1 | P | LP |
| | | utexrd | ManholeCOMM_ep | Manhole (Communications) (Existing) | 6 | 1 / DGN1 | 1 | P | MHCATV |
| | | utexrd | ManholeElec_ep | Manhole (Electric) (Existing) | 3 | 1 / DGN1 | 1 | P | MHE |
| | | utexrd | ManholeGas_ep | Manhole (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | MHG |
| | | utexrd | ManholeSS_ep | Manhole (Sanitary Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | MHS |
| | | utexrd | ManholeSW_ep | Manhole (Storm Water) (Existing) | 10 | 1 / DGN1 | 1 | P | MHD |
| | | utexrd | ManholeTel_ep | Manhole (Telephone) (Existing) | 6 | 1 / DGN1 | 1 | P | MHT |
| | | utexrd | ManholeUnknown_ep | Manhole (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | MH |
| | | utexrd | ManholeWater_ep | Manhole (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | MHW |
| | | utexrd | MeterElec_ep | Meter (Electric) (Existing) | 3 | 1 / DGN1 | 1 | P | ME |
| | | utexrd | MeterElecBur_ep | Meter (Electric) (Buried) (Existing) | 3 | 1 / DGN1 | 1 | P | MEU |
| | | utexrd | MeterGas_ep | Meter (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | MG |
| | | utexrd | MeterUnk_ep | Meter (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | M |
| | | utexrd | MeterWater_ep | Meter (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | MW |
| | | utexrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 | | |
| | | utexrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 | | |
| | | utexrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 | | |
| | | utexrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 | | |
| | | utexrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 | | |
| | | utexrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 | | |
| | | utexrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 | | |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight | Point /Line | Feature Code |
|----------|----------|--------|----------------------|--|---------------|--------------------------|----------------|-------------|--------------|
| | | utexrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 | | |
| | | utexrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 | | |
| | | utexrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 | | |
| | | utexrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 | | |
| | | utexrd | Oil_B_ep | Oil Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Petroleum-Existing(B) | 1 | L | PETROB |
| | | utexrd | Oil_C_ep | Oil Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Petroleum-Existing(C) | 1 | L | PETROC |
| | | utexrd | Oil_D_ep | Oil Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Petroleum-Existing(D) | 1 | L | PETROD |
| | | utexrd | PipeEncaseB_ep | Pipe Encasements Quality Level B Locate (Existing) | 0 | UT-Casing-Existing(B) | 1 | L | PIPENB |
| | | utexrd | PipeEncaseC_ep | Pipe Encasements Quality Level C Locate (Existing) | 0 | UT-Casing-Existing(C) | 1 | L | PIPENC |
| | | utexrd | PipeEncaseD_ep | Pipe Encasements Quality Level D Locate (Existing) | 0 | UT-Casing-Existing(D) | 1 | L | PIPEND |
| | | utexrd | PoleElec_ep | Electrical Pole (Existing) | 3 | 1 / DGN1 | 1 | P | PP |
| | | utexrd | PoleElec_ep | Electrical Pole With Transformer (Existing) | 3 | 1 / DGN1 | 1 | P | PPT |
| | | utexrd | PoleElec_ep | Shared Pole (Existing) | 3 | 1 / DGN1 | 1 | P | SHP |
| | | utexrd | PoleElec_ep | Shared Pole With Transformer (Existing) | 3 | 1 / DGN1 | 1 | P | SHPT |
| | | utexrd | PoleTel_ep | Telephone Pole (Existing) | 6 | 1 / DGN1 | 1 | P | TELP |
| | | utexrd | PullBox_ep | Wiring Pull Box (Existing) | 3 | 1 / DGN1 | 1 | P | WPB |
| | | utexrd | Pump_ep | Pump (Petroleum / Fuel) (Existing) | 7 | 1 / DGN1 | 1 | P | PMPF |
| | | utexrd | PumpNonPet_ep | Pump (Non Petroleum) (Existing) | 1 | 1 / DGN1 | 1 | P | PMP |
| | | utexrd | SanitaryFM_B_ep | Force Main (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 | L | FMB |
| | | utexrd | SanitaryFM_C_ep | Force Main (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 | L | FMC |
| | | utexrd | SanitaryFM_D_ep | Force Main (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 | L | FMD |
| | | utexrd | SanitarySewerB_ep | Sanitary Sewer (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 | L | SSB |
| | | utexrd | SanitarySewerC_ep | Sanitary Sewer (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 | L | SSC |
| | | utexrd | SanitarySewerD_ep | Sanitary Sewer (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 | L | SSD |
| | | utexrd | SanitarySewerDSta_ep | Dump Station (SS) (Existing) | 2 | 2 / DGN2 | 1 | P | DMPS |
| | | utexrd | SanitarySewerMisc_ep | Cleanout (Existing) | 2 | 1 / DGN1 | 1 | P | CLNO |
| | | utexrd | SanitarySewerMisc_ep | Pump Station (Sanitary Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | PMPST |
| | | utexrd | SanitarySewerMisc_ep | Sanitary Effluent (Open Channel) (Existing) | 2 | 1 / DGN1 | 1 | L | SE |
| | | utexrd | SateDish_ep | Satellite Dish Antenna (Existing) | 6 | 4 / DGN4 | 1 | P | SATD |
| | | utexrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 | | |
| | | utexrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 | | |
| | | utexrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 | | |
| | | utexrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 | | |
| | | utexrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 | | |
| | | utexrd | Sprinkler_ep | Sprinkler Head (Existing) | 1 | 1 / DGN1 | 1 | P | SPH |
| | | utexrd | SteamB_ep | Steam Line Quality Level B Locate (Existing) | 1 | UT-Steam-Existing(B) | 1 | L | STEAMB |
| | | utexrd | SteamC_ep | Steam Line Quality Level C Locate (Existing) | 1 | UT-Steam-Existing(C) | 1 | L | STEAMC |
| | | utexrd | SteamD_ep | Steam Line Quality Level D Locate (Existing) | 1 | UT-Steam-Existing(D) | 1 | L | STEAMD |
| | | utexrd | SU_Misc_ep | Subsurface Utility (Miscellaneous) (Existing) | 0 | 0 / Continuous | 1 | P | EOI |
| | | utexrd | SU_Misc_ep | Subsurface Utility (Miscellaneous) (Existing) | 0 | 0 / Continuous | 1 | P | QDEL |
| | | utexrd | SU_QLA_ep | Subsurface Utility Quality Level A Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLA |
| | | utexrd | SU_QLB_ep | Subsurface Utility Quality Level B Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLB |
| | | utexrd | SU_QLC_ep | Subsurface Utility Quality Level C Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLC |
| | | utexrd | SU_QLD_ep | Subsurface Utility Quality Level D Locate Point (Existing) | 0 | 0 / Continuous | 1 | P | QLD |
| | | utexrd | SU_TestHole_ep | Subsurface Utility Test Hole (QLA Only) (Existing) | 0 | 0 / Continuous | 1 | P | THA |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|---------------------|--|---------------|--------------------------|----------------|--------------|--------------|
| | A | utexrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 | | |
| | | utexrd | TeleAer_ep | Telephone Line (Aerial) (Existing) | 6 | UT-OverheadTel-Existing | 1 | L | TEL |
| | | utexrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 | L | BTB |
| | | utexrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 | L | BTDB |
| | | utexrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 | L | BTTB |
| | | utexrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 | L | BTC |
| | | utexrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 | L | BTDC |
| | | utexrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 | L | BTTC |
| | | utexrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 | L | BTD |
| | | utexrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 | L | BTDD |
| | | utexrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 | L | BTDD |
| | | utexrd | TeleMisc_ep | Telephone Booth (Existing) | 6 | 1 / DGN1 | 1 | P | TB |
| | | utexrd | TeleMisc_ep | Telephone Service Box (Large) (Existing) | 6 | 1 / DGN1 | 1 | L | TELS |
| | | utexrd | TeleMisc_ep | Telephone Pedestal / Service (Existing) | 6 | 1 / DGN1 | 1 | P | TPD |
| | | utexrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 | | |
| | | utexrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 | | |
| | | utexrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 | | |
| | | utexrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 | | |
| | | utexrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 | | |
| | | utexrd | Tower_ep | Antenna (Existing) | 3 | 1 / DGN1 | 1 | P | ANT |
| | | utexrd | Tower_ep | Transmission Tower (Single Column) (Existing) | 3 | 1 / DGN1 | 1 | P | CLMT |
| | | utexrd | Tower_ep | High Mast Lighting Poles (Existing) | 3 | 1 / DGN1 | 1 | P | HML |
| | | utexrd | UtilMisc_ep | Utility Items (Miscellaneous) (Existing) | 0 | 0 / Continuous | 0 | | UMISC |
| | | utexrd | Valve_ep | Valve Box (Existing) | 0 | 1 / DGN1 | 1 | P | VB |
| | | utexrd | Valve_ep | Valve (Existing) | 0 | 1 / DGN1 | 1 | P | VLV |
| X | | utexrd | ValveBFP_ep | Valve (Back Flow Preventer), Valve Box (Existing) | 0 | 1 / DGN1 | 1 | P | VLVB |
| | | utexrd | ValveCover_ep | Valve Cover (Unknown) (Existing) | 0 | 1 / DGN1 | 1 | P | VC |
| | | utexrd | ValveCvrEff_ep | Valve Cover (Effluent) (Existing) | 5 | 1 / DGN1 | 1 | P | VCEF |
| | | utexrd | ValveCvrGas_ep | Valve Cover (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VCG |
| | | utexrd | ValveCvrSewer_ep | Valve Cover (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VCS |
| | | utexrd | ValveCvrWater_ep | Valve Cover (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | VCW |
| | | utexrd | ValveCvrWaterNP_ep | Valve Cover (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VCNPW |
| | | utexrd | ValveCvrWaterNP_ep | Valve Cover (Raw Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VCRW |
| | | utexrd | ValveGas_ep | Valve Box (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VBG |
| | | utexrd | ValveGas_ep | Valve (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VLVG |
| | | utexrd | ValveSewer_ep | Valve Box (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VBS |
| | | utexrd | ValveSewer_ep | Valve (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VLVS |
| | | utexrd | ValveWater_ep | Valve Box (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | VBW |
| | | utexrd | ValveWater_ep | Valve (Water) (Existing) | 1 | 1 / DGN1 | 1 | P | VLVW |
| | | utexrd | ValveWaterNP_ep | Valve Box (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VBNPW |
| | | utexrd | ValveWaterNP_ep | Valve (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 | P | VLVNPW |
| | | utexrd | Vault_ep | Vaults Above Grade (Existing) | 3 | 1 / DGN1 | 0 | L | AGV |
| | | utexrd | Vault_ep | Vaults Below Grade (Existing) | 3 | 1 / DGN1 | 0 | L | BGV |
| | | utexrd | Vent_ep | Vent (Existing) | 0 | 1 / DGN1 | 1 | P | VNT |
| | | utexrd | VentGas_ep | Vent (Gas) (Existing) | 4 | 1 / DGN1 | 1 | P | VNTG |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight | Point / Line | Feature Code |
|----------|----------|--------|-----------------|--|---------------|--------------------------------|----------------|--------------|--------------|
| | | utexrd | VentSewer_ep | Vent (Sewer) (Existing) | 2 | 1 / DGN1 | 1 | P | VNTS |
| A | | utexrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 | | |
| | | utexrd | WaterB_ep | Water Line (All Sizes) Quality Level B Locate (Existing) | 1 | UT-Water-Existing(B) | 1 | L | WLB |
| | | utexrd | WaterC_ep | Water Line (All Sizes) Quality Level C Locate (Existing) | 1 | UT-Water-Existing(C) | 1 | L | WLC |
| | | utexrd | WaterD_ep | Water Line (All Sizes) Quality Level D Locate (Existing) | 1 | UT-Water-Existing(D) | 1 | L | WLD |
| | | utexrd | WaterMisc_ep | Faucet (Existing) | 1 | 1 / DGN1 | 1 | P | FAU |
| | | utexrd | WaterMisc_ep | Standpipe (Existing) | 1 | 1 / DGN1 | 1 | P | SP |
| | | utexrd | WaterNP_B_ep | Non-potable Water Line (All Sizes) Quality Level B Locate (Existing) | 5 | UT-NonPotableWater-Existing(B) | 1 | L | NPWLB |
| | | utexrd | WaterNP_C_ep | Non-potable Water Line (All Sizes) Quality Level C Locate (Existing) | 5 | UT-NonPotableWater-Existing(C) | 1 | L | NPWLC |
| | | utexrd | WaterNP_D_ep | Non-potable Water Line (All Sizes) Quality Level D Locate (Existing) | 5 | UT-NonPotableWater-Existing(D) | 1 | L | NPWLD |
| | | utexrd | Well_ep | Well (Any Size) (Existing) | 1 | 1 / DGN1 | 1 | P | WELL |
| | | utexrd | WellMon_ep | Well Monitoring, Taps (Existing) | 1 | 1 / DGN1 | 1 | P | MONW |
| A | | utexrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | utexrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | utexrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |
| A | | utexrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 | | |

UTPRRD - Utilities Proposed

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|----------------------------|----------------|
| | B | utprrd | ActivePointCell_dp | Active Point Cell | 4 | 0 / Continuous | 10 |
| | B | utprrd | AdhocPoint_dp | Adhoc Points Placed by SheetInfo | 0 | 4 / DGN4 | 0 |
| | | utprrd | Beacons_ep | Beacons and Path Illumination (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | BLSurvey | Baseline Survey on Cross Sections | 0 | 0 / Continuous | 2 |
| X | | utprrd | Capacitor | Capacitors (All Types) | 3 | 0 / Continuous | 2 |
| | | utprrd | Casing | Casing | 0 | UT-Casing-Proposed | 2 |
| X | | utprrd | CATVAer | Cable TV Line (Aerial) | 6 | UT-OverheadCable-Proposed | 2 |
| | | utprrd | CATVAer_ep | Cable TV Line (Aerial) (Existing) | 6 | UT-OverheadCable-Existing | 1 |
| X | | utprrd | CATVBur | Cable TV Line (Buried) | 6 | UT-BuriedCable-Proposed | 2 |
| X | | utprrd | CATVBur_px | Cable TV and Miscellaneous on Cross Sections (Buried) | 6 | 0 / Continuous | 1 |
| | | utprrd | CATVBurB_ep | Cable TV Line Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 |
| | | utprrd | CATVBurC_ep | Cable TV Line Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 |
| | | utprrd | CATVBurD_ep | Cable TV Line Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 |
| X | | utprrd | CATVCond | Cable TV Conduit System | 6 | SG-Conduit | 2 |
| | | utprrd | CATVCondBurB_ep | Cable TV Conduit System Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(B) | 1 |
| | | utprrd | CATVCondBurC_ep | Cable TV Conduit System Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(C) | 1 |
| | | utprrd | CATVCondBurD_ep | Cable TV Conduit System Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedCable-Existing(D) | 1 |
| | | utprrd | CATVMisc | Cable TV Service Box and Miscellaneous | 6 | 0 / Continuous | 2 |
| | | utprrd | CATVMisc_ep | Cable TV Service Box and Miscellaneous, Pole (Existing) | 6 | 1 / DGN1 | 1 |
| | | utprrd | CLConst_px | Center Line of Construction on Cross Sections | 0 | 0 / Continuous | 2 |
| | | utprrd | COGO_dp | COGO Information | 3 | 0 / Continuous | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------|---|---------------|---------------------------|----------------|
| X | | utprrd | Conduit | Conduit for Utilities and Encasements | 3 | SG-Conduit | 2 |
| | | utprrd | ConduitB_ep | Utility Conduit & Encasements Quality Level B Locate (Existing) | 3 | UT-Casing-Existing(B) | 1 |
| | | utprrd | ConduitC_ep | Utility Conduit & Encasements Quality Level C Locate (Existing) | 3 | UT-Casing-Existing(C) | 1 |
| | | utprrd | ConduitD_ep | Utility Conduit & Encasements Quality Level D Locate (Existing) | 3 | UT-Casing-Existing(D) | 1 |
| X | | utprrd | ConduitAG | Conduit (Above Ground) | 4 | SG-ConduitAG-Proposed | 1 |
| X | | utprrd | ConduitBM | Conduit – Bridge Mount | 5 | SG-ConduitBM-Proposed | 1 |
| X | | utprrd | ConduitDB | Conduit – Directional Bore | 2 | SG-ConduitDB-Proposed | 1 |
| X | | utprrd | ConduitJB | Conduit – Jack & Bore Under Rail | 3 | SG-ConduitJB-Proposed | 1 |
| X | | utprrd | ConduitOT | Conduit – Open Trench | 1 | SG-ConduitOT-Proposed | 1 |
| | | utprrd | ConstLines | Construction Lines and Preferences | 1 | 0 / Continuous | 0 |
| | | utprrd | ConstLines_pm | Construction Lines | 4 | 0 / Continuous | 0 |
| X | | utprrd | Controller_ep | Controller and Accessories (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utprrd | ControllerB_ep | Controller - Base Mounted (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utprrd | ControllerP_ep | Controller Pole Mount (Existing) | 0 | 2 / DGN2 | 1 |
| | | utprrd | DimLines_dp | Dimension Lines, Corresponding Terminators, Equation Lines | 0 | 0 / Continuous | 1 |
| | | utprrd | Duct | Duct Pipe (Buried) | 7 | UT-Duct-Proposed | 2 |
| | | utprrd | DummyChains_ep | Dummy Chains (Existing) | 0 | 0 / Continuous | 1 |
| X | | utprrd | EaseLicLine | Easement License Agreement Line | 5 | 6 / DGN6 | 0 |
| X | | utprrd | ElecAer | Electrical Lines (Aerial) | 3 | UT-OverheadElec-Proposed | 2 |
| | | utprrd | ElecAer_ep | Electrical Conductors (Distribution & Transmission) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 |
| | | utprrd | ElecAerPri_ep | Conductors (Primary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 |
| | | utprrd | ElecAerSec_ep | Conductors (Secondary Distribution) (Aerial) (Existing) | 3 | UT-OverheadElec-Existing | 1 |
| X | | utprrd | ElecBur | Electrical (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| | | utprrd | ElecBurB_ep | Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 |
| | | utprrd | ElecBurC_ep | Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 |
| | | utprrd | ElecBurCap_ep | Capacitors (Buried) (Existing) | 3 | 1 / DGN1 | 1 |
| | | utprrd | ElecBurD_ep | Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 |
| | | utprrd | ElecBurPriB_ep | Conductors (Primary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 |
| | | utprrd | ElecBurPriC_ep | Conductors (Primary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 |
| | | utprrd | ElecBurPriD_ep | Conductors (Primary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 |
| | | utprrd | ElecBurSecB_ep | Conductor (Secondary Distribution) Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(B) | 1 |
| | | utprrd | ElecBurSecC_ep | Conductor (Secondary Distribution) Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(C) | 1 |
| | | utprrd | ElecBurSecD_ep | Conductor (Secondary Distribution) Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedElec-Existing(D) | 1 |
| | | utprrd | ElecMisc | Fuses, Reclosures, Regulator, Sectionalizers | 3 | 0 / Continuous | 2 |
| | | utprrd | ElecMisc_ep | Capacitors (Above Ground), Switchgear, Transformer, Electrical Service Box (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | ElecOutlet | Electrical Outlet | 3 | 0 / Continuous | 2 |
| | | utprrd | ElecOutlet_ep | Electrical Outlet (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | ElecServ | Electrical Service Miscellaneous | 3 | 0 / Continuous | 2 |
| X | | utprrd | ElecServWire | Electrical Service Wire | 3 | 0 / Continuous | 2 |
| X | | utprrd | FireHydrant | Fire Hydrant | 1 | 0 / Continuous | 2 |
| | | utprrd | FireHydrant_ep | Fire Hydrant (Existing) | 1 | 1 / DGN1 | 1 |
| | | utprrd | FloodLight_ep | Flood Light (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | FOCAer | Fiber Optics Cable (Aerial) | 6 | UT-OverheadFOC-Proposed | 2 |
| X | | utprrd | FOCBur | Fiber Optics Cable (Buried) | 6 | UT-BuriedFOC-Proposed | 2 |
| | | utprrd | FOCBurB_ep | Fiber Optics Cable Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedFOC(B)-Existing | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|--------------------|--|---------------|---------------------------|----------------|
| | | utprrd | FOCBurC_ep | Fiber Optics Cable Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedFOC(C)-Existing | 1 |
| | | utprrd | FOCBurD_ep | Fiber Optics Cable Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedFOC(D)-Existing | 1 |
| X | | utprrd | FOEElecAer | Fiber Optics Electrical (Aerial) | 3 | UT-OverheadFOE-Proposed | 2 |
| | | utprrd | FOEElecAer_ep | Fiber Optics Electrical (Aerial) (Existing) | 3 | UT-OverheadFOE-Existing | 1 |
| X | | utprrd | FOEElecBur | Fiber Optics Electrical (Buried) | 3 | UT-BuriedFOE-Proposed | 2 |
| | | utprrd | FOEElecBurB_ep | Fiber Optics Electrical Quality Level B Locate (Buried) (Existing) | 3 | UT-BuriedFOE(B)-Existing | 1 |
| | | utprrd | FOEElecBurC_ep | Fiber Optics Electrical Quality Level C Locate (Buried) (Existing) | 3 | UT-BuriedFOE(C)-Existing | 1 |
| | | utprrd | FOEElecBurD_ep | Fiber Optics Electrical Quality Level D Locate (Buried) (Existing) | 3 | UT-BuriedFOE(D)-Existing | 1 |
| X | | utprrd | FOTAer | Fiber Optics Telephone (Aerial) (Size Unknown) | 6 | UT-OverheadFOT-Proposed | 2 |
| | | utprrd | FOTAer_ep | Fiber Optics Telephone (Aerial) (Size Unknown) (Existing) | 6 | UT-OverheadFOT-Existing | 1 |
| X | | utprrd | FOTBur | Fiber Optics Telephone (Buried) (Size Unknown) | 6 | UT-BuriedFOT-Proposed | 2 |
| | | utprrd | FOTBurB_ep | Fiber Optics Telephone Quality Level B Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(B)-Existing | 1 |
| | | utprrd | FOTBurC_ep | Fiber Optics Telephone Quality Level C Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(C)-Existing | 1 |
| | | utprrd | FOTBurD_ep | Fiber Optics Telephone Quality Level D Locate (Buried) (Size Unknown) (Existing) | 6 | UT-BuriedFOT(D)-Existing | 1 |
| X | | utadrd | Gas | Gas Pipe and Fittings | 4 | UT-Gas-Proposed | 2 |
| | | utadrd | Gas_ep | Gas Test & Miscellaneous (Existing) | 4 | 1 / DGN1 | 1 |
| | | utadrd | GasB_ep | Gas Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Gas-Existing(B) | 1 |
| | | utadrd | GasC_ep | Gas Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Gas-Existing(C) | 1 |
| | | utadrd | GasD_ep | Gas Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Gas-Existing(D) | 1 |
| | | utprrd | GasMisc | Gas Regulator and Miscellaneous Items | 4 | 0 / Continuous | 2 |
| X | | utprrd | Gauges | Gauges | 0 | 0 / Continuous | 2 |
| | | utprrd | Gauges_ep | Gauges (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utprrd | Generator | Emergency Generator | 0 | 0 / Continuous | 2 |
| X | | utprrd | GuyWire | Guy Wire | 3 | 0 / Continuous | 2 |
| | | utprrd | GuyWire_ep | Guy Anchor, Guy pole, Span Guys (Existing) | 3 | 1 / DGN1 | 1 |
| | | utprrd | ImageAttachment_dp | Image Attachments | 0 | 0 / Continuous | 0 |
| X | | utprrd | InterconCable_ep | Interconnect Cable (Existing) | 1 | SG-InterconCable-Existing | 0 |
| X | | utprrd | JunctBox | Junction Boxes, Service Cabinet (Elec/Tel) | 3 | 0 / Continuous | 2 |
| | | utprrd | JunctBox_ep | Junction Box / Service Cabinet (Elec/Tel) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | JunctBoxA | Junction Boxes (Aerial) | 3 | 0 / Continuous | 1 |
| X | | utprrd | JunctBoxA_ep | Junction Boxes (Aerial) (Existing) | 3 | 1 / DGN1 | 0 |
| | | utprrd | LeaderLine_dp | Leader Line and Terminator with Text | 0 | 0 / Continuous | 1 |
| | | utprrd | LiteCond_ep | Street Lighting Conductors Existing (Existing) | 3 | SG-Conduit-Existing | 0 |
| X | | utprrd | LoadCenter | Load Center | 2 | 0 / Continuous | 1 |
| X | | utprrd | LoadCenter_ep | Load Center (Existing) | 2 | 5 / DGN5 | 0 |
| | | utprrd | Logo_dp | Consultant Engineer of Record Logo | 0 | 0 / Continuous | 1 |
| X | | utprrd | LoopLI_ep | Loop Lead-In (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utprrd | Loops_ep | Loop Assembly (All Types) (Existing) | 2 | 2 / DGN2 | 2 |
| X | | utprrd | Luminaire | Luminaires (Decorative) (All Types) | 2 | 0 / Continuous | 1 |
| | | utprrd | Luminaire_ep | Street Light / Pole (Existing) | 3 | 1 / DGN1 | 1 |
| | | utprrd | Manhole_ex | Manhole on Cross Sections (Existing) | 10 | 3 / DGN3 | 2 |
| | | utprrd | Manhole_px | Manhole on Cross Sections | 10 | 0 / Continuous | 2 |
| | | utprrd | ManholeCOMM | Manhole (Communications) | 6 | 0 / Continuous | 1 |
| | | utprrd | ManholeCOMM_ep | Manhole (Communications) (Existing) | 6 | 1 / DGN1 | 1 |
| X | | utprrd | ManholeElec | Manhole (Electric) | 3 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-------------------|--|---------------|--------------------------|----------------|
| | | utprrd | ManholeElec_ep | Manhole (Electric) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | ManholeGas | Manhole (Gas) | 4 | 0 / Continuous | 2 |
| | | utprrd | ManholeGas_ep | Manhole (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utprrd | ManholeSS | Manhole (Sanitary Sewer) | 2 | 0 / Continuous | 2 |
| | | utprrd | ManholeSS_ep | Manhole (Sanitary Sewer) (Existing) | 2 | 1 / DGN1 | 1 |
| X | | utprrd | ManholeSW | Manhole (Storm Water) | 10 | 0 / Continuous | 2 |
| | | utprrd | ManholeSW_ep | Manhole (Storm Water) (Existing) | 10 | 1 / DGN1 | 1 |
| X | | utprrd | ManholeTel | Manhole (Telephone) | 6 | 0 / Continuous | 2 |
| | | utprrd | ManholeTel_ep | Manhole (Telephone) (Existing) | 6 | 1 / DGN1 | 1 |
| X | | utprrd | ManholeUnknown | Manhole (Unknown) | 0 | 0 / Continuous | 2 |
| | | utprrd | ManholeUnknown_ep | Manhole (Unknown) (Existing) | 0 | 1 / DGN1 | 1 |
| | | utprrd | ManholeWater | Manhole (Water) | 1 | 0 / Continuous | 1 |
| | | utprrd | ManholeWater_ep | Manhole (Water) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utprrd | MeterElec | Meter (Electric) | 3 | 0 / Continuous | 2 |
| | | utprrd | MeterElec_ep | Meter (Electric) (Existing) | 3 | 1 / DGN1 | 1 |
| | | utprrd | MeterElecBur_ep | Meter (Electric) (Buried) (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | MeterGas | Meter (Gas) | 4 | 0 / Continuous | 2 |
| | | utprrd | MeterGas_ep | Meter (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| | | utprrd | MeterUnk | Meter (Unknown) | 0 | 0 / Continuous | 2 |
| | | utprrd | MeterUnk_ep | Meter (Unknown) (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utprrd | MeterWater | Water Meter | 1 | 0 / Continuous | 2 |
| | | utprrd | MeterWater_ep | Meter (Water) (Existing) | 1 | 1 / DGN1 | 1 |
| | | utprrd | Miscellaneous0 | Undefined Proposed Item - Color Blue Weight 0 | 1 | 0 / Continuous | 0 |
| | | utprrd | Miscellaneous1 | Undefined Proposed Item - Color Blue Weight 1 | 1 | 0 / Continuous | 1 |
| | | utprrd | Miscellaneous2 | Undefined Proposed Item - Color Blue Weight 2 | 1 | 0 / Continuous | 2 |
| | | utprrd | Miscellaneous3 | Undefined Proposed Item - Color Green Weight 0 | 2 | 0 / Continuous | 0 |
| | | utprrd | Miscellaneous4 | Undefined Proposed Item - Color Green Weight 1 | 2 | 0 / Continuous | 1 |
| | | utprrd | Miscellaneous5 | Undefined Proposed Item - Color Green Weight 2 | 2 | 0 / Continuous | 2 |
| | | utprrd | Miscellaneous6 | Undefined Proposed Item - Color Red Weight 0 | 3 | 0 / Continuous | 0 |
| | | utprrd | Miscellaneous7 | Undefined Proposed Item - Color Red Weight 1 | 3 | 0 / Continuous | 1 |
| | | utprrd | Miscellaneous8 | Undefined Proposed Item - Color Red Weight 2 | 3 | 0 / Continuous | 2 |
| | | utprrd | Miscellaneous9 | Undefined Proposed Item - Color Red Weight 3 | 3 | 0 / Continuous | 3 |
| | | utprrd | NonPlottingEle_dp | Non-Plotting Items - Construction Elements, Type 66 Elements, Etc. | 4 | 0 / Continuous | 0 |
| X | | utprrd | Oil | Oil Pipeline, Petroleum | 4 | UT-Petroleum-Proposed | 2 |
| | | utprrd | Oil_B_ep | Oil Line (All Sizes) Quality Level B Locate (Existing) | 4 | UT-Petroleum-Existing(B) | 1 |
| | | utprrd | Oil_C_ep | Oil Line (All Sizes) Quality Level C Locate (Existing) | 4 | UT-Petroleum-Existing(C) | 1 |
| | | utprrd | Oil_D_ep | Oil Line (All Sizes) Quality Level D Locate (Existing) | 4 | UT-Petroleum-Existing(D) | 1 |
| X | | utprrd | OverheadSign_ep | Overhead Sign Panels (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utprrd | OverheadStr_ep | Mast Arm, Truss Assemblies, Signal Arms and Supports (Existing) | 0 | 3 / DGN3 | 1 |
| | | utprrd | Patternlines_ep | Cross Section Chain (Existing) | 2 | 1 / DGN1 | 0 |
| | | utprrd | PayItem_dp | Pay Item Number Label Elements | 4 | 0 / Continuous | 2 |
| X | | utprrd | Pedestal_ep | Pedestal (Existing) | 1 | 2 / DGN2 | 1 |
| X | | utprrd | PedHead_ep | Pedestrian Head (All Types) (Existing) | 0 | 2 / DGN2 | 1 |
| | | utprrd | PedSignal_ep | Pedestrian Signal Unit, Signage (Existing) | 0 | 2 / DGN2 | 0 |
| | | utprrd | PipeEncaseB_ep | Pipe Encasements Quality Level B Locate (Existing) | 0 | UT-Casing-Existing(B) | 1 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|----------------------|---|---------------|-----------------------------|----------------|
| | | utprrd | PipeEncaseC_ep | Pipe Encasements Quality Level C Locate (Existing) | 0 | UT-Casing-Existing(C) | 1 |
| | | utprrd | PipeEncaseD_ep | Pipe Encasements Quality Level D Locate (Existing) | 0 | UT-Casing-Existing(D) | 1 |
| | | utprrd | PointLocator_ep | Point Locator Symbol (Existing) | 4 | 0 / Continuous | 0 |
| X | | utprrd | PoleConc | Concrete Strain Pole | 0 | 0 / Continuous | 2 |
| X | | utprrd | PoleConc_ep | Concrete Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utprrd | PoleElec | Electrical Pole w/ Transformer | 3 | 0 / Continuous | 2 |
| | | utprrd | PoleElec_ep | Electrical Pole With or Without Transformer, Shared Pole (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | PoleFound | Pole Foundation | 0 | 0 / Continuous | 2 |
| X | | utprrd | PoleLight | Light Pole | 2 | 0 / Continuous | 1 |
| X | | utprrd | PoleLight_ep | Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| X | | utprrd | PoleLightHM | High Mast Light Pole | 3 | 0 / Continuous | 1 |
| X | | utprrd | PoleLightHM_ep | High Mast Light Pole (Existing) | 2 | 2 / DGN2 | 1 |
| | | utprrd | PoleLightID | Light Pole Location / ID | 4 | 0 / Continuous | 1 |
| X | | utprrd | PoleShared | Power Pole Electric (Above Ground) Shared w/ Transformer | 3 | 0 / Continuous | 2 |
| X | | utprrd | PoleSteelStrain | Steel Strain Pole | 0 | 0 / Continuous | 2 |
| X | | utprrd | PoleSteelStrain_ep | Steel Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utprrd | PoleTel | Telephone Pole | 6 | 0 / Continuous | 2 |
| | | utprrd | PoleTel_ep | Telephone Pole (Existing) | 6 | 1 / DGN1 | 1 |
| X | | utprrd | PoleUtil | Utility Pole | 0 | 0 / Continuous | 2 |
| X | | utprrd | PoleWoodStrain | Wood Strain Pole | 0 | 0 / Continuous | 2 |
| X | | utprrd | PoleWoodStrain_ep | Wood Strain Pole (Existing) | 0 | 2 / DGN2 | 1 |
| X | | utprrd | PullBox | Pull Boxes (All Types) | 3 | 0 / Continuous | 1 |
| | | utprrd | PullBox_ep | Wiring Pull Box (Existing) | 3 | 1 / DGN1 | 1 |
| | | utprrd | Pump | Pump (Petroleum / Fuel) | 7 | 0 / Continuous | 2 |
| X | | utprrd | PumpNonPet | Pump (Non Petroleum) | 1 | 0 / Continuous | 2 |
| | | utprrd | PumpNonPet_ep | Pump (Non Petroleum) (Existing) | 1 | 1 / DGN1 | 1 |
| | | utprrd | ReferencePt_dp | Survey and Construction Reference Point Details and Elements | 4 | 0 / Continuous | 2 |
| X | | utprrd | SanitaryFM | Force Main Lines | 2 | UT-Sanitary-Proposed | 2 |
| | | utprrd | SanitaryFM_B_ep | Force Main (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 |
| | | utprrd | SanitaryFM_C_ep | Force Main (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 |
| | | utprrd | SanitaryFM_D_ep | Force Main (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 |
| X | | utprrd | SanitarySewer | Sanitary Sewer | 2 | UT-Sanitary-Proposed | 2 |
| | | utprrd | SanitarySewerB_ep | Sanitary Sewer (All Sizes) Quality Level B Locate (Existing) | 2 | UT-Sanitary-Existing(B) | 1 |
| | | utprrd | SanitarySewerC_ep | Sanitary Sewer (All Sizes) Quality Level C Locate (Existing) | 2 | UT-Sanitary-Existing(C) | 1 |
| | | utprrd | SanitarySewerD_ep | Sanitary Sewer (All Sizes) Quality Level D Locate (Existing) | 2 | UT-Sanitary-Existing(D) | 1 |
| X | | utprrd | SanitarySewerDSta | Sewer Dump Station | 2 | 0 / Continuous | 2 |
| | | utprrd | SanitarySewerDSta_ep | Dump Station (SS) (Existing) | 2 | 2 / DGN2 | 1 |
| X | | utprrd | SanitarySewerEff | Sanitary Sewer Effluent NPW | 5 | UT-NonPotableWater-Proposed | 2 |
| X | | utprrd | SanitarySewerEff_ex | Sanitary Effluent on Cross Sections (Existing) | 5 | 0 / Continuous | 0 |
| X | | utprrd | SanitarySewerEff_px | Sanitary Effluent on Cross Sections | 5 | 0 / Continuous | 0 |
| | | utprrd | SanitarySewerMisc | Sewer Items(Miscellaneous) | 2 | 0 / Continuous | 2 |
| | | utprrd | SanitarySewerMisc_ep | Cleanout, Sanitary Effluent (Open Channel), Pump Station (Existing) | 2 | 1 / DGN1 | 1 |
| | | utprrd | SateDish_ep | SatteliteSatellite Dish Antenna (Existing) | 6 | 4 / DGN4 | 1 |
| | | utprrd | Scratch1_dp | Scratch Level for Temporary or Informational Items | 4 | 0 / Continuous | 0 |
| | | utprrd | Scratch2_dp | Scratch Level for Temporary or Informational Items | 5 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|--|---------------|--------------------------|----------------|
| | | utprrd | ScratchEle_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 3 | 0 / Continuous | 0 |
| | | utprrd | ScratchEle2_dp | Scratch Level for Draft Elements, Temporary Elements, Etc. (DO NOT PLOT) | 4 | 0 / Continuous | 0 |
| | | utprrd | Signal_ep | Signal Head, Signal on Pedestal (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | SignalHead_ep | Signal Head Section Details (Existing) | 2 | 2 / DGN2 | 0 |
| | | utprrd | SignalLoop_ep | Traffic Detector Loops (Existing) | 7 | 1 / DGN1 | 2 |
| | | utprrd | SignalMisc_ep | Signal Equipment Including Control Unit (Miscellaneous) (Existing) | 3 | 2 / DGN2 | 0 |
| | | utprrd | SignalSupport_ep | Signal Supports Including Mast Arm (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utprrd | SignalSym_ep | Signal Head Symbols (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utprrd | SignCantilever_ep | Sign Symbol Cantilever (Existing) | 0 | 2 / DGN2 | 0 |
| | | utprrd | SignMulti_ep | Multi-column Sign (All Signs) (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utprrd | SignPanel_ep | Sign Panel Elements (Existing) | 0 | 2 / DGN2 | 1 |
| | | utprrd | SignSingle_ep | Sign (Single Support) (Existing) | 3 | 2 / DGN2 | 0 |
| X | | utprrd | SignSpanwire | Span Wire Signing Assembly | 2 | 0 / Continuous | 1 |
| X | | utprrd | SignSpanwire_ep | Span Wire Signing Assembly (Existing) | 2 | 2 / DGN2 | 1 |
| | | utprrd | SignSupport_ep | Trusses and Cantilevers for Overhead Signs (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utprrd | SignTruss_ep | Sign Symbol Truss (Existing) | 3 | 2 / DGN2 | 1 |
| | | utprrd | SpanWire_ep | Signal / Span Wire Pole (Existing) | 3 | 2 / DGN2 | 0 |
| | | utprrd | SpecialDetails | Special Details | 6 | 0 / Continuous | 1 |
| X | | utprrd | Sprinkler | Sprinkler Head | 1 | 0 / Continuous | 2 |
| | | utprrd | Sprinkler_ep | Sprinkler Head (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utprrd | Steam | Steam Pipes | 1 | UT-Steam-Proposed | 2 |
| | | utprrd | SteamB_ep | Steam Line Quality Level B Locate (Existing) | 4 | UT-Steam-Existing(B) | 1 |
| | | utprrd | SteamC_ep | Steam Line Quality Level C Locate (Existing) | 4 | UT-Steam-Existing(C) | 1 |
| | | utprrd | SteamD_ep | Steam Line Quality Level D Locate (Existing) | 4 | UT-Steam-Existing(D) | 1 |
| X | | utprrd | StreetLights | Street Lights | 2 | 0 / Continuous | 1 |
| | | utprrd | SU_QLB_ep | Subsurface Utility Quality Level B Locate Point (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | SU_QLC_ep | Subsurface Utility Quality Level C Locate Point (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | SU_QLD_ep | Subsurface Utility Quality Level D Locate Point (Existing) | 0 | 0 / Continuous | 1 |
| X | | utprrd | Switchgear | Switchgear and Appurtenances | 3 | 0 / Continuous | 2 |
| | A | utprrd | Tables_dp | Data Tables and All Autodesk Tables | 0 | 0 / Continuous | 1 |
| X | | utprrd | TeleAer | Telephone (Aerial) | 6 | UT-OverheadTel-Proposed | 2 |
| | | utprrd | TeleAer_ep | Telephone (Aerial) (Existing) | 6 | UT-OverheadTel-Existing | 1 |
| X | | utprrd | TeleBur | Telephone (Buried) | 6 | UT-BuriedTel-Proposed | 2 |
| X | | utprrd | TeleBur_px | Telephone on Cross Sections (Buried) (Miscellaneous) | 6 | 0 / Continuous | 1 |
| | | utprrd | TeleBurB_ep | Telephone (All Sizes) Quality Level B Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(B) | 1 |
| | | utprrd | TeleBurC_ep | Telephone (All Sizes) Quality Level C Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(C) | 1 |
| | | utprrd | TeleBurD_ep | Telephone (All Sizes) Quality Level D Locate (Buried) (Existing) | 6 | UT-BuriedTel-Existing(D) | 1 |
| | | utprrd | TeleMisc | Telephone Service Box, Booth or Pedestal | 6 | 0 / Continuous | 2 |
| | | utprrd | TeleMisc_ep | Telephone Service Box, Booth or Pedestal (Existing) | 6 | 1 / DGN1 | 1 |
| | | utprrd | TextBLStation | Text - B/L Station and Tics | 0 | 0 / Continuous | 2 |
| | | utprrd | TextConstEle | Text - Construction Element | 0 | 0 / Continuous | 1 |
| | | utprrd | TextCurveData | Text - Curve Data Note | 0 | 0 / Continuous | 2 |
| | | utprrd | TextDetails | Text - Detail Notes | 4 | 0 / Continuous | 2 |
| | | utprrd | TextDrainInvElev_ep | Text - Drainage Invert Elevation (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | TextDrainLabel_ep | Text - Drainage (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | TextElevLabel | Text - Elevation Labels | 4 | 0 / Continuous | 0 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|---------------------|---|---------------|--------------------------|----------------|
| | | utprrd | TextLabel | Text - Label | 0 | 0 / Continuous | 2 |
| | | utprrd | TextLandscape | Text - Landscape Labels | 0 | 0 / Continuous | 1 |
| | | utprrd | TextMajor | Text - Major | 0 | 0 / Continuous | 5 |
| | | utprrd | TextMinor | Text - Minor | 0 | 0 / Continuous | 0 |
| | | utprrd | TextMisc | Text - Miscellaneous | 0 | 0 / Continuous | 1 |
| | | utprrd | TextNotes | Text - Notes | 4 | 0 / Continuous | 1 |
| | | utprrd | TextProfLabel | Text - Profile, Horizontal and Vertical Axis Labels | 0 | 0 / Continuous | 2 |
| | | utprrd | TextProjLabel | Text - Begin and End ProjectLabel with Leader Lines | 1 | 0 / Continuous | 2 |
| | | utprrd | TextPtLabel | Text - Point Labels | 4 | 0 / Continuous | 0 |
| | | utprrd | TextShtNo | Text - Sheet Number | 0 | 0 / Continuous | 2 |
| | | utprrd | TextSubUtilLabel_ep | Text - Subsurface Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | TextSurveyLabel | Text - Survey Text Labels | 0 | 0 / Continuous | 0 |
| | | utprrd | TextTables | Text - Key Sheet Indexes and Table Data | 4 | 0 / Continuous | 2 |
| | | utprrd | TextTitle | Text - Title | 0 | 0 / Continuous | 3 |
| | | utprrd | TextTopoLabel_ep | Text - Topography (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | TextUtilLabel_ep | Text - Utilities (Existing) | 0 | 0 / Continuous | 1 |
| | | utprrd | TextXSElev | Text - Cross Section Elevations | 2 | 0 / Continuous | 1 |
| | | utprrd | TopoMisc_ep | Topography (Miscellaneous) (Existing) | 0 | 3 / DGN3 | 1 |
| X | | utprrd | Tower | High Mast Light Poles or Towers, Transmission Tower, Antenna | 3 | 0 / Continuous | 2 |
| | | utprrd | Tower_ep | High Mast Light Poles or Towers, Transmission Tower, Antenna (Existing) | 3 | 1 / DGN1 | 1 |
| X | | utprrd | TransformerAer | Transformer Unit (Above Ground) | 3 | 0 / Continuous | 2 |
| X | | utprrd | TransformerBur | Transformer (Buried) | 3 | 0 / Continuous | 2 |
| X | | utprrd | TransmissionAer | Electric Conductors (Distribution & Transmission) (Aerial) | 3 | UT-OverheadElec-Proposed | 2 |
| X | | utprrd | TransmissionBur | Electric Conductors (Distribution & Transmission) (Buried) | 3 | UT-BuriedElec-Proposed | 2 |
| X | | utprrd | TransmissionT | Transmission Tower Single | 3 | 0 / Continuous | 2 |
| | | utprrd | UtilMisc_ep | Utility Items (Miscellaneous) (Existing) | 0 | 0 / Continuous | 0 |
| | | utprrd | UtilsMisc | Utility Items (Miscellaneous) | 8 | 0 / Continuous | 2 |
| X | | utprrd | UtilsProposed | Facilities/Utilities as Shown in Utility Adjustments | 9 | 0 / Continuous | 2 |
| X | | utprrd | Valve | Valve, Valve Box (Unknown) | 0 | 0 / Continuous | 2 |
| | | utprrd | Valve_ep | Valve, Valve Box (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utprrd | ValveCover | Valve Cover (Unknown) | 0 | 0 / Continuous | 2 |
| | | utprrd | ValveCover_ep | Valve Cover (Unknown) (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utprrd | ValveCvrEff | Valve Cover (Effluent) | 5 | 0 / Continuous | 2 |
| | | utprrd | ValveCvrEff_ep | Valve Cover (Effluent) (Existing) | 5 | 1 / DGN1 | 1 |
| X | | utprrd | ValveCvrGas | Valve Cover (Gas) | 4 | 0 / Continuous | 2 |
| | | utprrd | ValveCvrGas_ep | Valve Cover (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utprrd | ValveCvrSewer | Valve Cover (Sewer) | 2 | 0 / Continuous | 2 |
| | | utprrd | ValveCvrSewer_ep | Valve Cover (Sewer) (Existing) | 2 | 1 / DGN1 | 1 |
| X | | utprrd | ValveCvrWater | Valve Cover (Water) | 1 | 0 / Continuous | 2 |
| | | utprrd | ValveCvrWater_ep | Valve Cover (Water) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utprrd | ValveCvrWaterNP | Water Line Non Potable | 5 | 0 / Continuous | 2 |
| | | utprrd | ValveCvrWaterNP_ep | Valve Cover (Non-potable Water) (Existing) | 5 | 1 / DGN1 | 1 |
| X | | utprrd | ValveGas | Valve, Valve Box (Gas) | 4 | 0 / Continuous | 2 |
| | | utprrd | ValveGas_ep | Valve (Gas), Valve Box (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utprrd | ValveSewer | Valve, Valve Box (Sewer) | 2 | 0 / Continuous | 2 |

| Critical | Platform | Rule | Level Name | Level Description | ByLevel Color | ByLevelStyle / Linetype | ByLevel Weight |
|----------|----------|--------|-----------------|--|---------------|--------------------------------|----------------|
| | | utprrd | ValveSewer_ep | Valve (Sewer), Valve Box (Existing) | 2 | 1 / DGN1 | 1 |
| X | | utprrd | ValveWater | Valve, Valve Box (Water) | 1 | 0 / Continuous | 2 |
| | | utprrd | ValveWater_ep | Valve (Water), Valve Box (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utprrd | ValveWaterNP | Water Line (Non Potable) | 5 | 0 / Continuous | 2 |
| | | utprrd | ValveWaterNP_ep | Valve (Non-potable Water), Valve Box (Existing) | 8 | 1 / DGN1 | 1 |
| | | utprrd | Vault_ep | Vaults Above Grade and Below Grade (Existing) | 3 | 1 / DGN1 | 0 |
| X | | utprrd | Vaults | Vaults Above Grade and Below Grade | 3 | 0 / Continuous | 2 |
| X | | utprrd | VaultsRW | Vaults (Raw Water) | 1 | 0 / Continuous | 2 |
| | | utprrd | Vent | Vent (Unknown) | 0 | 0 / Continuous | 2 |
| | | utprrd | Vent_ep | Vent (Existing) | 0 | 1 / DGN1 | 1 |
| X | | utprrd | VentGas | Vent (Gas) | 4 | 0 / Continuous | 2 |
| | | utprrd | VentGas_ep | Vent (Gas) (Existing) | 4 | 1 / DGN1 | 1 |
| X | | utprrd | VentSewer | Vent (Sewer) | 2 | 0 / Continuous | 2 |
| | | utprrd | VentSewer_ep | Vent (Sewer) (Existing) | 2 | 1 / DGN1 | 1 |
| | A | utprrd | Viewport | Viewport (For AutoCAD Use) | 3 | 0 / Continuous | 0 |
| X | | utprrd | Water | Water Line | 1 | UT-Water-Proposed | 2 |
| | | utprrd | WaterB_ep | Water Line (All Sizes) Quality Level B Locate (Existing) | 1 | UT-Water-Existing(B) | 1 |
| | | utprrd | WaterC_ep | Water Line (All Sizes) Quality Level C Locate (Existing) | 1 | UT-Water-Existing(C) | 1 |
| | | utprrd | WaterD_ep | Water Line (All Sizes) Quality Level D Locate (Existing) | 1 | UT-Water-Existing(D) | 1 |
| X | | utprrd | WaterFct | Standpipe and Water Faucet | 1 | 0 / Continuous | 2 |
| X | | utprrd | WaterFilter | Water Filter | 5 | 0 / Continuous | 2 |
| | | utprrd | WaterMisc_ep | Faucet, Standpipe (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utprrd | WaterNP | Water Line Non Potable | 5 | UT-NonPotableWater-Proposed | 2 |
| | | utprrd | WaterNP_B_ep | Non-potable Water Line (All Sizes) Quality Level B Locate (Existing) | 5 | UT-NonPotableWater-Existing(B) | 1 |
| | | utprrd | WaterNP_C_ep | Non-potable Water Line (All Sizes) Quality Level C Locate (Existing) | 5 | UT-NonPotableWater-Existing(C) | 1 |
| | | utprrd | WaterNP_D_ep | Non-potable Water Line (All Sizes) Quality Level D Locate (Existing) | 5 | UT-NonPotableWater-Existing(D) | 1 |
| X | | utprrd | WaterNP_ex | Raw Water Pipes on Cross Sections (Existing) | 5 | 0 / Continuous | 1 |
| X | | utprrd | WaterNP_px | Raw Water Pipes on Cross Sections | 5 | 0 / Continuous | 1 |
| X | | utprrd | Well | Well (Any Size) | 1 | 1 / DGN1 | 2 |
| | | utprrd | Well_ep | Well (Any Size) (Existing) | 1 | 1 / DGN1 | 1 |
| X | | utprrd | WellMon | Well Monitoring | 1 | 0 / Continuous | 2 |
| | | utprrd | WellMon_ep | Well Monitoring, Taps (Existing) | 1 | 1 / DGN1 | 1 |
| | A | utprrd | Xreference01_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | utprrd | Xreference02_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | utprrd | Xreference03_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | A | utprrd | Xreference04_dp | Reference Files (For AutoCAD Use) | 0 | 0 / Continuous | 1 |
| | | utprrd | XSCell | GEOPAK Cross Section Cell/Block and Profile Cell/Block | 8 | 0 / Continuous | 1 |