SR 9/I-95 AT LANTANA ROAD

Palm Beach County, Florida

FPID No.: 413258-1-22-02 | ETDM# 14338

PD&E Study

Contamination Screening Evaluation Report

FDOT

August 2020

Contamination Screening Evaluation Report

Florida Department of Transportation

District Four
3400 West Commerical Blvd.
Fort Lauderdale, Florida 33309

SR 9/I-95 at Lantana Road
Project Development and Environment (PD&E) Study

Limits of Project: From North of Hypluxo Road to South of 6th Avenue S (MP 18.42 to MP 19.158)

Palm Beach County, Florida

Financial Management Number: 413258-1-22-02

ETDM Number: 14338

Date: August 3, 2020

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 and executed by FHWA and FDOT.

EXECUTIVE SUMMARY

The Florida Department of Transportation (FDOT), District Four, is conducting a Project Development and Environment (PD&E) Study that proposes improvements to 0.738 miles of SR 9/I-95 (MP 18.420 to MP 19.158), at Lantana Road Interchange from High Ridge Road to Andrew Redding Road in Palm Beach County, Florida.

This Contamination Screening Evaluation Report (CSER) presents the findings of an investigation designed to identify, evaluate and provide recommendations for properties or businesses with known or potential contamination issues in accordance with Part 2, Chapter 20, of the FDOT PD&E Manual (effective January 14, 2019).

A review of all available data, such as regulatory agency files, database reports, historic and current aerial photography, and a site reconnaissance was conducted for this PD&E Study. A site history investigation was performed for each facility identified as a potential contamination concern by reviewing available documentation within agency regulatory files. The information was evaluated to determine each site's potential degree of risk for contamination involvement with the proposed project.

A total of nine (9) potential contamination sites were identified within the Study Area. Five (5) sites were assigned a Medium risk rating for potential contamination concerns. Due to the potential for soil and/or groundwater contamination and proposed right of way acquisition at these sites, a Level II Contamination Assessment is recommended to determine the extent of contamination for these sites. The medium sites include: two (2) of the gas stations adjacent to proposed improvements; one (1) petroleum spill within proposed right of way acquisition; one (1) waste management site adjacent to proposed improvements; and an area of railroad right of way proposed for acquisition. Due to the proximity of these sites, the potential for spills to occur and the unknown contamination status, these sites should be reevaluated during the Final Design phase. The remaining four (4) sites are considered to present Low or No risk for contamination impacts based on their distance to proposed improvements, current operating status and/or current regulatory status. Risk ratings were the same for all alternatives except for one site (Shell Gas Station), which the Preferred Alternative avoids, and which received a lower risk rating for the Preferred Alternative.

Asbestos Containing Material (ACM) and Lead-based paint (LBP) surveys were not conducted as part of this PD&E Study. ACM surveys and subsequent abatement were previously conducted on bridges within the current Study Area; documentation is included in **Table 6-1**. No LBP surveys were required for this project, since the bridges are made of concrete and are not painted.

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1.0 INTRODUCTION

The Florida Department of Transportation (FDOT), District Four, is conducting a Project Development and Environment (PD&E) Study that proposes improvements to 0.738 miles of SR 9/I-95 (MP 18.420 to MP 19.158), at Lantana Road Interchange from High Ridge Road to Andrew Redding Road. The objective of this Contamination Screening Evaluation Report (CSER) was to identify, evaluate and provide recommendations for properties or businesses with known or potential contamination issues in accordance with Part 2, Chapter 20, of the FDOT PD&E Manual. This project was screened through the Efficient Transportation Decision Making (ETDM) Environmental screening Tool and the programming screen was published on April 26, 2018 (ETDM # 14338 https://etdmpub.fla-etat.org/est/#).

1.1 PROJECT BACKGROUND

SR 9/I-95 is the main Interstate Highway on the East Coast of the United States serving areas from Florida to Maine. Within the State of Florida, SR 9/I-95 is a major state transportation resource critical in the facilitation of statewide travel, and is included in the Strategic Intermodal System (SIS) established by the Florida Legislature in 2003, for its role in supporting the State's economy and mobility.

SR 9/I-95 has experienced increasing traffic volumes since its completion in Palm Beach County in 1980: fueled largely by population and economic growth within the County. The FDOT has responded to this increased transportation demand with various interventions to improve operations and safety along the SR 9/I-95 mainline including, adding a High Occupancy Vehicle (HOV) lane and auxiliary lanes from south of Linton Boulevard to north of PGA Boulevard in the 1990s and 2000s, and minor interchange improvements at eight interchange locations within this segment of SR 9/I-95.

In December 2015, the FDOT completed the SR 9/I-95 Interchange Master Plan for Palm Beach County to identify short-term and long-term needs at the interchange locations within the County through the 2040 design year horizon. This Master Plan included design concepts to address traffic spillback onto SR 9/1-95, improve interchange operations, reduce congestion, and increase safety at 17 interchanges from Linton Boulevard to Northlake Boulevard. SR 9/I-95 at Lantana Road Interchange was one of the interchange locations evaluated as part of the I-95 Interchange Master Plan.

A Concept Development Report (CDR) was completed for this interchange as part of the I-95 Interchange Master Plan Study for Palm Beach County. The CDR identified several preliminary short-term and long-term improvements at the SR 9/I-95 at Lantana Road Interchange including:

- Dual right-turn lanes for the SR 9/I-95 southbound off-ramp
- Dual eastbound left-turn lanes from Lantana Road to the SR 9/I-95 northbound on-ramp
- Additional westbound through lane between the SR 9/I-95 southbound off-ramp and High Ridge Road
- Additional eastbound through lane between the SR 9/I-95 northbound off-ramp and Andrew Redding Road
- Improvements at various intersections along Lantana Road including High Ridge Road, Andrew Redding Road, Sunset Road and Shopping Center Drive

Within Palm Beach County, the Transportation Planning Agency (TPA) adopted a vision to transform the County into a place where bicycling is a safe and convenient transportation option and an attractive form of recreation for residents and visitors alike by 2035. In keeping with this vision, Palm Beach County adopted the Master Comprehensive Bicycle Transportation Plan (MCBTP) with recommendations to include/improve bicycle facilities throughout Palm Beach County. Lantana Road from Jog Road to Dixie Highway was identified as one of the corridors for inclusion in the Priority Bicycle Network.

This PD&E Study is being conducted to evaluate concepts that improve interchange operations and safety, accommodate future transportation demand at the Lantana Road Interchange, and provide bicycle accommodations along Lantana Road within the project limits.

1.2 PROJECT DESCRIPTION

The SR 9/I-95 at Lantana Road interchange is primarily located within the Town of Lantana in Palm Beach County, Florida, between the 6th Avenue South (1.54 miles to the north) and the Hypoluxo Road (1.04 miles to the south) interchanges. The interchange provides access to the Palm Beach County Park/Lantana Airport, Hypoluxo Island, Lantana Scrub Natural Area, and the Lantana Lake Worth Health Center. The study interchange is a typical diamond interchange and the limits along Lantana Road extend from High Ridge Road to Andrew Redding Road. The South Florida Rail Corridor (SFRC)/CSX Railroad runs parallel along the west side of SR 9/I-95 in this area and crosses below an elevated section of Lantana Road.

SR 9/I-95 near the Lantana Road interchange is a ten-lane divided urban interstate, aligned south to north, providing four general purpose lanes and one High Occupancy Vehicle (HOV) lane in each direction. Auxiliary lanes are provided in both the northbound and southbound direction within the study area. At the Lantana Road interchange, SR 9/I-95 crosses below an elevated section of Lantana Road. SR 9/I-95 is a SIS designated highway, as well as an emergency evacuation route.

Within the project limits, Lantana Road is primarily a four-lane urban principal arterial under the jurisdiction of Palm Beach County, that is aligned west to east, with two through lanes in each direction. At the interchange location, Lantana Road is elevated over SR 9/I-95 and the SFRC/CSX Railroad. There is one dedicated left-turn lane in each direction to access the SR 9/I-95 on-ramps and two through lanes in each direction. A single free-flow right-turn lane is also provided in both eastbound and westbound directions along Lantana Road to serve the SR 9/I-95 on-ramps. Sidewalks are provided along both sides of Lantana Road; however, bicycle lanes do not exist. The segment of Lantana Road from SR 9/I-95 to SR 5/US-1 is designated as an emergency evacuation route.

Land use adjacent to the interchange is predominantly commercial with some industrial, institutional and residential uses. The adjacent signalized intersections within the project limits are: High Ridge Road west of SR 9/I-95 southbound ramps, and Shopping Center Drive and Andrew Redding Road east of SR 9/I-95 northbound ramps.

The proposed improvements will include operational and safety improvements to the Interchange including capacity improvements along Lantana Road, additional turning lanes at the SR 5/I-95 ramp terminal intersections and signal improvements. The project will also include improvements to sidewalks, ADA ramps, guide signs, and designated bicycle lanes. The project location map is shown in **Figure 1-1.**

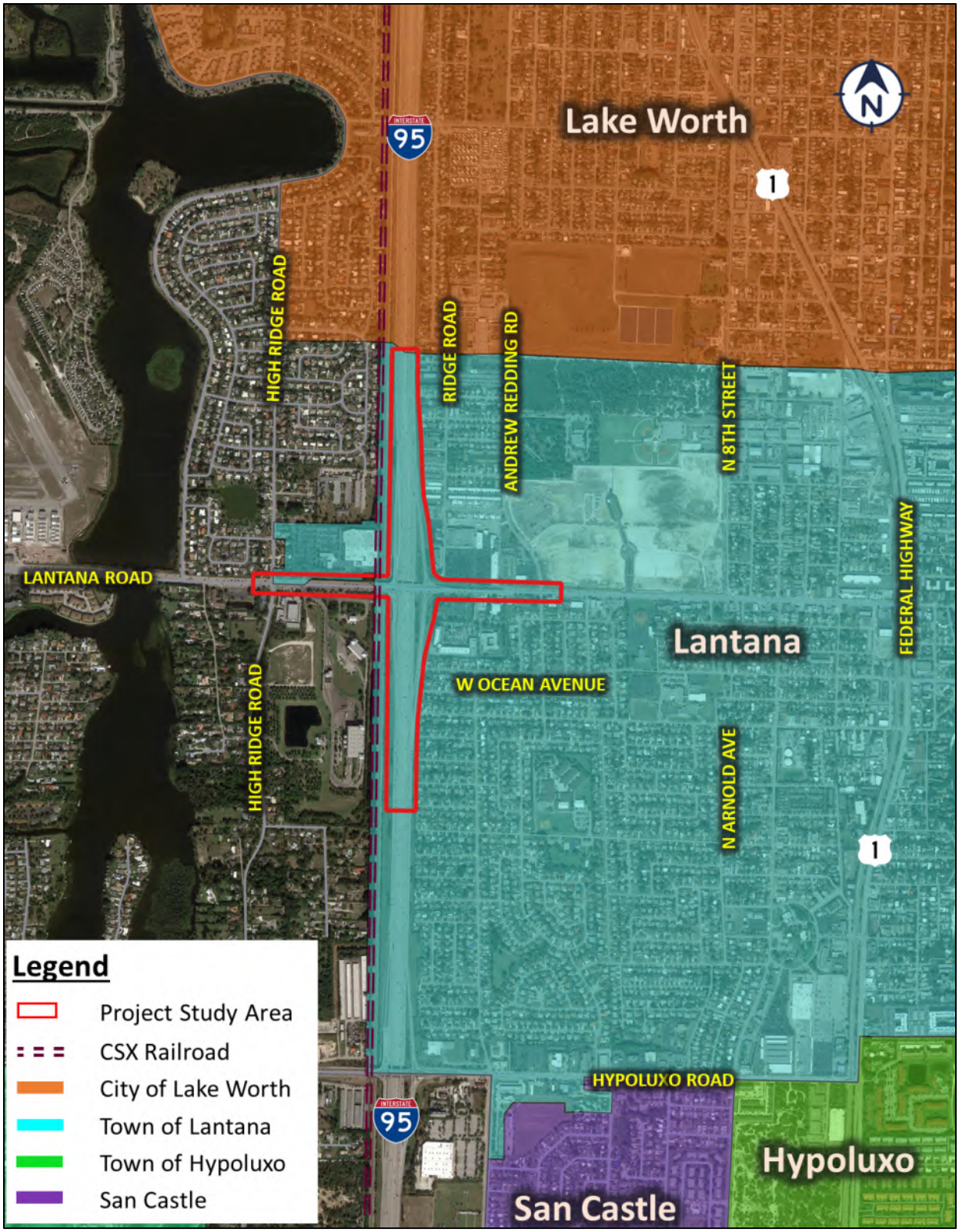

Figure 1-1 Project Location Map

1.3 PURPOSE AND NEED

The primary purpose of this interchange project is to improve the local and regional transportation network while also providing enhanced multimodal interrelationships at the SR 9/I-95/Lantana Road interchange. Additional features that will be improved include capacity and transportation demand, safety, and emergency evacuation. The study will evaluate alternatives that eliminate traffic spillback onto SR 9/I-95, enhance interchange operations and safety, reduce congestion, while providing for multimodal accommodations at this interchange location. The study will also consider accommodation for potential extension of I-95 Managed Lanes through Palm Beach County. The needs for this project are further described in the following sections:

1.3.1 Transportation Network

Lantana Road is a county roadway (CR 812) that provides access to the Town of Lantana and Hypoluxo Island via East Ocean Avenue (Lantana) Bridge. To the west, Lantana Road provides access to the Palm Beach County Park/Lantana Airport and the City of Atlantis. Although Lantana Road is not a designated road in the state's SIS, SR 9/I-95 is a part of the SIS system. The SIS includes Florida's important transportation facilities that support the State's economy and mobility. Improved interchange operations at Lantana Road will help to reduce traffic spillback onto I-95 thereby enhancing connectivity among the local and regional network.

1.3.2 Multimodal Interrelationships

The SR 9/I-95 at Lantana Road interchange accommodates east-west sidewalks on the north and south sides of Lantana Road, from High Ridge Road to Shopping Center Drive, extending beyond both intersections. Bicycle lanes are not provided in both directions along Lantana Road within the project limits. The TPA Master Comprehensive Bicycle Transportation Plan (MCBTP) includes recommendations to improve bicycle facilities throughout Palm Beach County. The MCBTP recommends a "Detailed Corridor Study" along Lantana Road. Additionally, the MCBTP designates segments of High Ridge Road as "Bike Level of Service (LOS) Threshold Met" and "Shoulder Candidate." As part of the study, provision of bike lanes would be evaluated along Lantana Road.

Four schools are located within approximately one mile of the interchange: Barton Elementary School, Lantana Elementary School, Lantana Middle School, and Palm Beach Maritime Academy. There are no Palm Tran transit bus stops within the project limits. However, bus stops are located on Lantana Road west of High Ridge Road and east of Andrew Redding Road. Adding improvements to bicycle and pedestrian facilities at the intersections within the study area will increase the safety of the local community pedestrian users traveling the corridor.

1.3.3 Capacity and Transportation Demand

The SR 9/I-95 southbound ramps within the study area currently operate at an overall LOS E during the A.M. peak hours, while the northbound ramps operate at a LOS C. During the P.M. peak hours, the southbound ramps operate at LOS D, and the northbound ramps operate LOS C. If no improvements are made to the I-95/Lantana Road interchange, it is forecasted that by 2045, both the southbound and northbound ramps will operate at LOS F for both the A.M. and P.M. peak hours.

The SR 9/I-95 southbound ramps within the study area currently operate at an overall LOS E during the A.M. peak hours, while the northbound ramps operate at a LOS C. During the P.M. peak hours, the southbound ramps operate at LOS D, and the northbound ramps operate LOS C. If no improvements are made to the I-95/Lantana Road interchange, it is forecasted that by 2045, both the southbound and northbound ramps will operate at LOS F for both the A.M. and P.M. peak hours.

1.3.4 Safety

Crash data from 2014 to 2018 for SR 9/I-95 (Roadway ID: 93220000) from south of Lantana Road to the north of Lantana Road, SR 9/I-95 Ramps at Lantana Road (Roadway ID: 93220037, 93220038, 93220039, and 93220040), and Lantana Road (Roadway ID: 93530000) from High Ridge Road to Andrew Redding Road (MP 2.80 to MP 3.50) was obtained from the FDOT State Safety Office GIS (SSOGis) Query Tool on the Traffic Safety Web Portal. Based on the crash analysis, 313 crashes occurred on the SR 9/I-95 mainline, 157 crashes occurred on the SR 9/I-95 ramps at Lantana Road interchange and 172 crashes occurred on Lantana Road within the study area from 2014 to 2018. The predominant crash types that occurred within the study area were rear-end collisions, sideswipe collisions, and angled collisions. Crashes of these types are typically attributed to congested conditions along the arterials and interchange ramps and terminals. As such, providing capacity improvements for different modes of transportation within the study area will help to improve safety by alleviating congestion.

1.3.5 Emergency Evacuation

Based on Palm Beach County's Evacuation Routes and Zones Map, Lantana Road is classified as an evacuation route from SR 5/US-1 to SR 9/I-95. Therefore, improvements to the interchange of I-95 and Lantana Road, along with improvements to nearby intersections, will decrease evacuation times by increasing connectivity between eastern and western towns/cities and SR 9/I-95. Additionally, emergency response times will be decreased by the proposed improvements due to the enhanced mobility.

1.4 PLANNED AND ONGOING ADJACENT PROJECTS

Transportation plans from the state, county, city and municipal level were reviewed to identify projects that impact the SR 9/I-95 at Lantana Road PD&E Study Area. Transportation plans that were reviewed as part of this study include: FDOT District 4 Five Year Work Program, Palm Beach County TPA 2040 LRTP, Palm Beach County Transportation Improvement Program (TIP) and Palm Beach County MCBTP. A number of planned or ongoing projects were identified within the influence area of the SR 9/I-95 at Lantana Road PD&E Study. **Table 1-1** below provides a summary of these projects.

Table 1-1 Ongoing and Adjacent Projects

Project #	Project Name	Work Mix	Fiscal Year
427516-2	SR 9/I-95 From Gateway Boulevard to Lantana Road	Resurfacing	2020
444202-1	I-95 Managed Lanes from Linton Blvd. to 6th Ave	PD&E Study	2024
413257-1	SR 9/I-95 at Hypoluxo Road	PD&E	2020
436963-1	SR 9/I-95 at 6th Avenue South	PD&E / P.E.	2020
444340-1	SR 9 @ 6th Avenue South	Landscaping	2022
20230001	Lantana Road from Hagen Ranch to SR 9/I-95	Resurfacing	2023
N/A	Water Town Commons Development	Mixed-Use Development	Ongoing

Lantana Road is also included as a priority corridor in the Palm Beach County adopted MCBTP, with recommendations for bicycle lanes along Lantana Road from Jog Road to Dixie Highway.

2.0 ALTERNATIVES CONSIDERED

The alternatives considered as part of the SR 9/I-95 at Lantana Road PD&E Study include a No-Action Alternative, Transportation System Management & Operations (TSM&O) Alternative, and three Build Alternatives. The Alternatives are described below:

2.1 NO-ACTION ALTERNATIVE

The No-Action Alternative assumes no proposed improvements to the study interchange and serves as a baseline for comparison against the Build Alternatives. The No-Action Alternative includes consideration for the Water Tower Commons Development located in the northeast quadrant of Lantana Road and Andrew Redding Road Intersection. This is a 73-acre mixed-use development with 1,100 residential units and 209,000 square feet of commercial space for offices, retail stores and restaurants.

2.2 TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS (TSM&O)

The TSM&O Alternative considers minor improvements to enhance operations and safety without the addition of through lanes. TSM&O includes low-cost improvements such as adding turn lanes at intersections, adjusting signal phasing and timings, and considering opportunities to enhance alternative travel modes. It also includes implementation of Intelligent Transportation Systems (ITS) technologies. The Build Alternatives developed for this study will also incorporate TSM&O improvements. The proposed TSM&O improvements to be incorporated as part of the Build Alternatives include:

- Incident Management Closed-Circuit Television (CCTV) Cameras
- Wrong Way Detection Technology
- Vehicle Detection System
- Dynamic Message Signs on Lantana Road east and west of SR 9/I-95

TSM&O improvements will only alleviate some operational, geometric and safety deficiencies along some portions of the Study Area. Their implementation alone does not meet the purpose and need for this project. TSM&O improvements are only viable in combination with the Build Alternatives that are discussed in the next section of this report.

2.3 BUILD ALTERNATIVE 1

Build Alternative 1 considered for this Study is generally based on the preliminary conceptual design recommended as part of the I-95 Interchange Master Plan Study. This alternative

maintains the existing Tight Urban Diamond Interchange (TUDI) configuration and provides the following improvements to accommodate the design year traffic demand (See **Figure 2-1**):

- Widen Lantana Road to provide 3 lanes in each direction from High Ridge Road to Andrew Redding Road.
- Widen the existing Lantana Road bridge over I-95 and the two ramp bridges.
- Provide triple right-turn lanes and dual left-turn lanes for the SR 9/I-95 northbound and southbound off-ramps.
- Provide dual eastbound and westbound right-turn lanes onto I-95 southbound and northbound on-ramps, respectively.
- Eliminate eastbound left-turn movement and provide directional median opening at the Sunset Road intersection.
- Provide exclusive southbound and northbound right-turn lane along High Ridge Road and extend the EB left urn storage from 200-ft to 300-ft.
- Widen right-turn lane at Sunset Road to accommodate WB62FL Design Vehicles.
- Provide 7-ft buffered bicycle lanes and 6-ft sidewalks along Lantana Road in both directions.

These improvements are necessary to enhance the operations of the intersections within the interchange influence area. The proposed improvements under this alternative will also require right of way impacts to 9 commercial properties along Lantana Road.

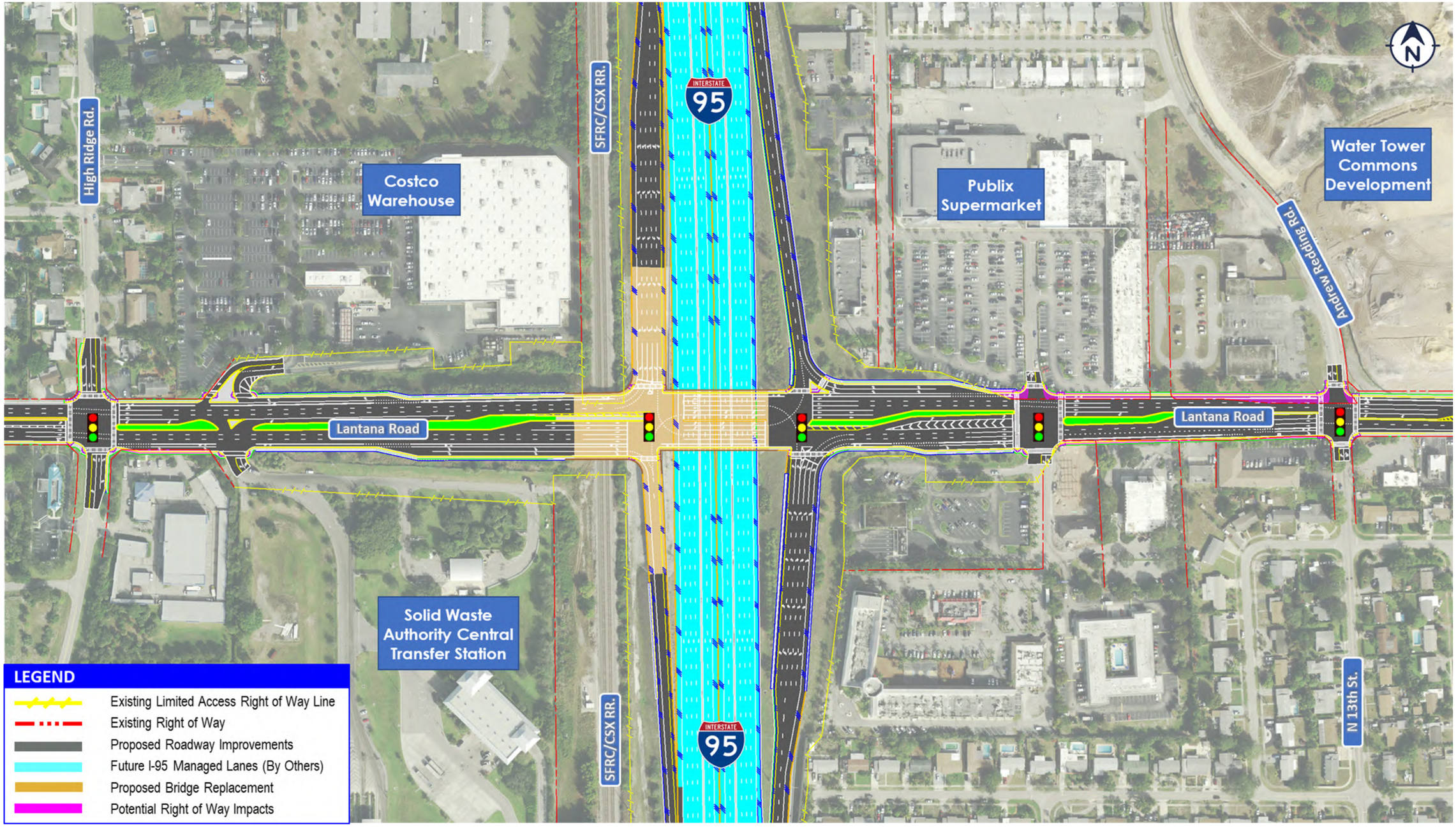

Figure 2-1 Build Alternative 1: Tight Urban Diamond Interchange (TUDI)

2.4 BUILD ALTERNATIVE 2

Build Alternative 2 reconfigures the existing Tight Urban Diamond Interchange into a Diverging Diamond Interchange (DDI) configuration (See **Figure 2-2**). The diverging diamond concept requires drivers to briefly cross to the left, or opposite side of the road at carefully designed crossover intersections. Drivers travel for a short distance, then cross back to the traditional or right side of the road. This unconventional design allows movements for the left and right-turns to and from the I-95 ramps onto Lantana Road without crossing the path of opposing traffic. The crossover is made at the signal where the opposing traffic flows split the signal green time. The major advantage of this type of interchange is that the left-turning vehicles do not require a signal phase which makes this a two-phased signal system with more green time for the opposing traffic. In addition, the DDI has fewer conflict points (i.e. 14 for DDI, 26 for TUDI) resulting in significant safety and operational improvement at the interchange. The following improvements are proposed to accommodate the design year traffic demand under Build Alternative 2:

- Widen Lantana Road to provide 3 lanes in each direction between High Ridge Road and Andrew Redding Road.
- Replace the existing single Lantana Road bridge over I-95 and SFRC/CSX Railroad with two separate bridges over SR 9/I-95 and SFRC/CSX Railroad.
- Replace the existing ramp bridges for the southbound on and off ramps with embankment and MSE walls.
- Provide dual right-turn lanes and dual left-turn lanes for the SR 9/I-95 northbound and southbound off-ramps.
- Provide dual eastbound and westbound right-turn lanes from Lantana Road onto I-95 southbound and northbound on-ramps, respectively.
- Provide dual eastbound and westbound left-turn lanes from Lantana Road onto the I-95 northbound and southbound on-ramps.
- Eliminate the eastbound left-turn, northbound left-turn and thru movements and provide a directional median opening at the Sunset Road intersection.
- Widen westbound right-turn lane at Sunset Road to accommodate WB62FL Design Vehicles.
- Provide an underpass road that connects Sunset Road and the existing Solid Waste Authority (SWA) service road underneath the reconstructed Lantana Road Bridge over SFRC/CSX Railroad.
- Provide exclusive southbound and northbound right-turn lane along High Ridge Road.

- Provide 7-ft buffered bicycle lanes and 6-ft sidewalks along Lantana Road in both directions.

These improvements are necessary to enhance the operations of the intersections within the interchange influence area. The proposed improvements under this alternative will also require right of way impacts to 6 commercial properties along Lantana Road.

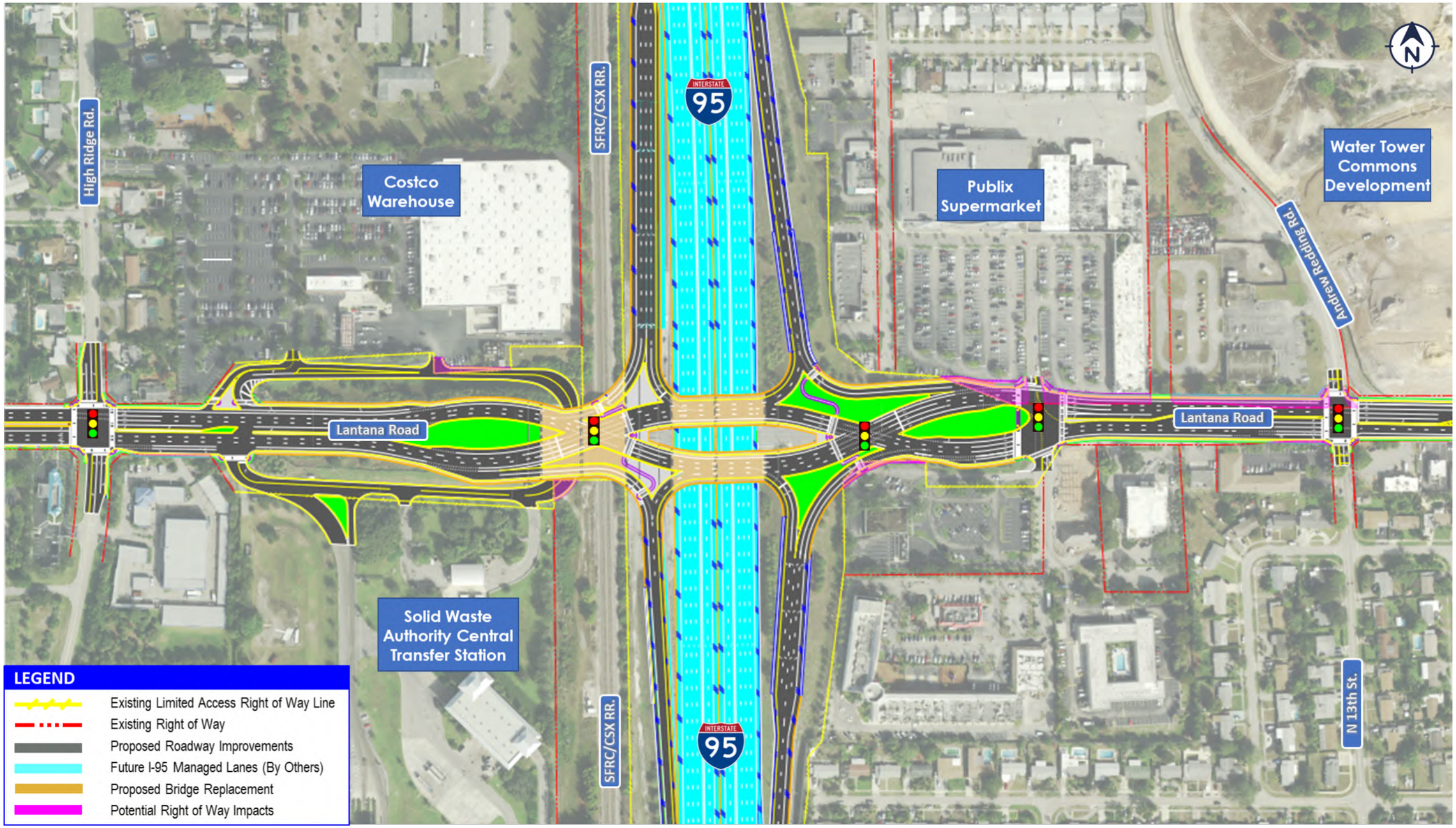

Figure 2-2 Build Alternative 2: Diverging Diamond Interchange (DDI)

2.5 BUILD ALTERNATIVE 3

Build Alternative 3 reconfigures the existing Tight Urban Diamond Interchange into a Single Point Urban Interchange (SPUI) configuration (See **Figure 2-3**). The SPUI concept consolidates the two intersections of a TUDI into one single intersection. This allows left-turning traffic from both directions of the intersecting roadways to turn simultaneously without crossing the path of the opposing left-turns. Since traffic passing through the SPUI is controlled by a single signal, vehicles can clear the intersection much more quickly compared to a TUDI. The major advantages of SPUI are improved operational efficiency and safety. This can be attributed to the single, three-phase traffic signal and less conflict points compared to the TUDI. In addition, the SPUI also allows for wider turns, easing movement for heavy trucks. The following improvements are proposed to accommodate the design year traffic demand under Build Alternative 3:

- Widen Lantana Road to provide 3 lanes in each direction from High Ridge Road to Andrew Redding Road
- Replace the existing Lantana Road bridge over I-95 and the two ramp bridges
- Provide triple right-turn lanes and dual left-turn lanes for the SR 9/I-95 northbound and southbound off-ramps.
- Provide dual eastbound and westbound right-turn lanes onto I-95 southbound and northbound on-ramps, respectively.
- Provide dual eastbound and westbound left-turn lanes from Lantana Road to the I-95 southbound and northbound on-ramps, respectively.
- Provide dual eastbound and westbound left-turn lanes from Lantana Road to the I-95 southbound and northbound on-ramps, respectively.
- Eliminate the eastbound left-turn, northbound left-turn and thru movements and provide a directional median opening at the Sunset Road intersection with an underpass access road.
- Provide exclusive southbound and northbound right-turn lane along High Ridge Road.
- Widen right-turn lane at Sunset Road to accommodate WB62FL Design Vehicles.
- Provide 7-ft buffered bicycle lanes and 6-ft sidewalks along Lantana Road in both directions.

These improvements are necessary to enhance the operations of the intersections within the interchange influence area. The proposed improvements under this alternative will also require right of way impacts to 9 commercial properties along Lantana Road.

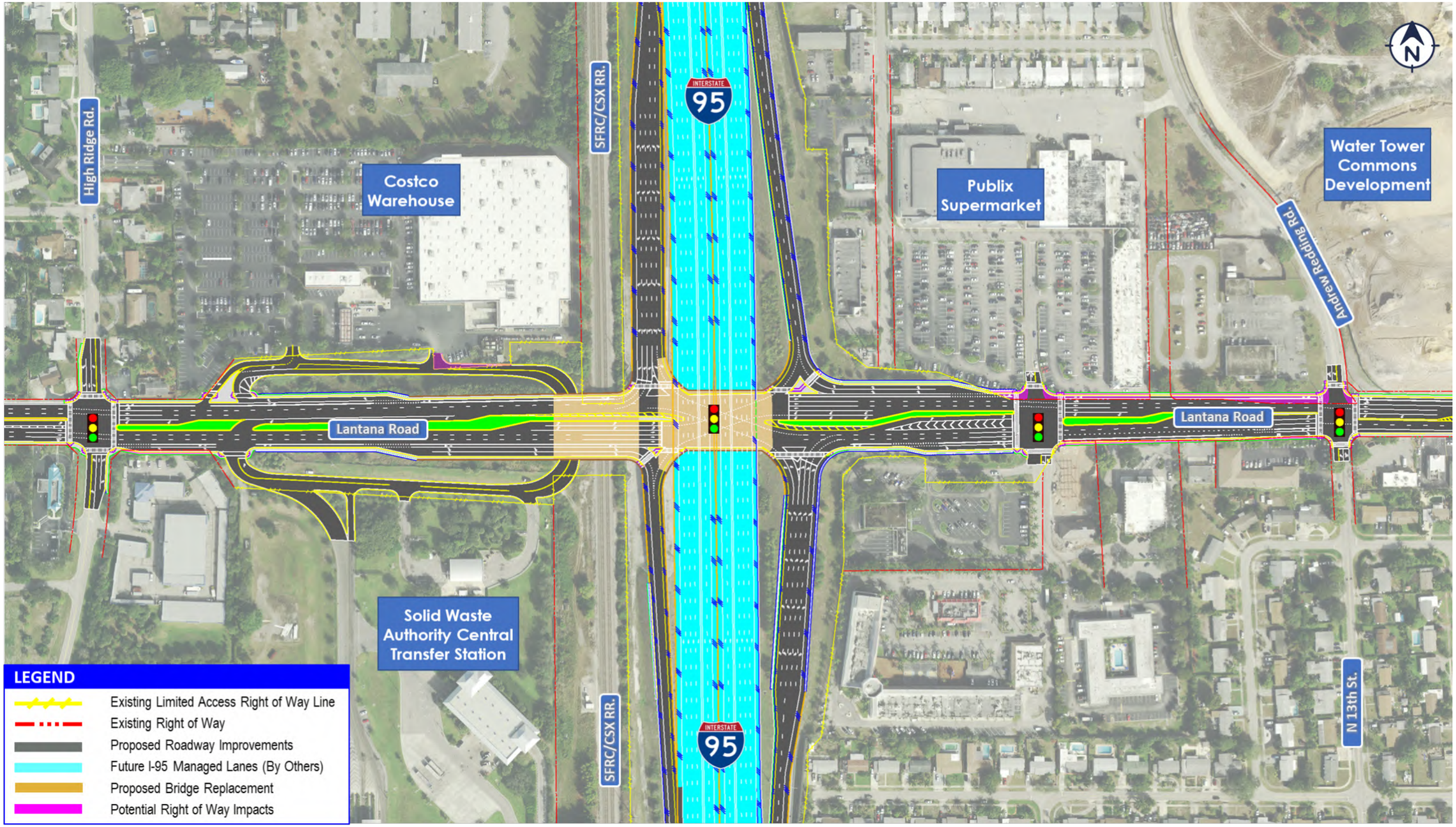

Figure 2-3 Build Alternative 3: Single Point Urban Interchange (SPUI)

2.6 PREFERRED ALTERNATIVE

The Preferred Alternative, as illustrated in **Figure 2-4** is Build Alternative 2 – Diverging Diamond Interchange. The diverging diamond concept requires drivers to briefly cross to the left, or opposite side of the road at carefully designed crossover intersections. Drivers travel for a short distance, then cross back to the traditional or right side of the road. This unconventional design allows free-flow movements for the left and right-turns to and from the I-95 ramps onto Lantana Road without crossing the path of opposing traffic. The crossover is made at the signal where the opposing traffic flows split the signal green time. The major advantage of this type of interchange is that the left-turning vehicles do not require a signal phase which makes this a two-phased signal system with more green time for the opposing traffic. In addition to the interchange reconfiguration, the following improvements will be implemented with the preferred alternative:

- Widen Lantana Road to provide 3 lanes in each direction between High Ridge Road and Andrew Redding Road.
- Replace the existing single Lantana Road bridge over I-95 and SFRC/CSX Railroad with two separate bridges over SR 9/I-95 and SFRC/CSX Railroad.
- Replace the existing ramp bridges for the southbound on and off ramps with embankment and MSE walls.
- Provide dual right-turn lanes and dual left-turn lanes for the SR 9/I-95 northbound and southbound off-ramps.
- Provide dual eastbound and westbound right-turn lanes from Lantana Road onto I-95 southbound and northbound on-ramps, respectively.
- Provide dual eastbound and westbound left-turn lanes from Lantana Road onto the I-95 northbound and southbound on-ramps.
- Eliminate the eastbound left-turn, northbound left-turn and thru movements and provide a directional median opening at the Sunset Road intersection
- Provide exclusive southbound and northbound right-turn lane along High Ridge Road.
- Widen westbound right-turn lane at Sunset Road to accommodate WB62FL Design Vehicles.
- Provide 7-ft buffered bicycle lanes and 6-ft sidewalks along Lantana Road in both directions.
- Provide an underpass road that connects Sunset Road and the existing Solid Waste Authority (SWA) service road underneath the reconstructed Lantana Road Bridge over SFRC/CSX Railroad.

- Provide ITS improvements including Arterial Dynamic Message Signs (ADMS), Surveillance and verification CCTV cameras and Wrong way detection system for the interchange ramps.

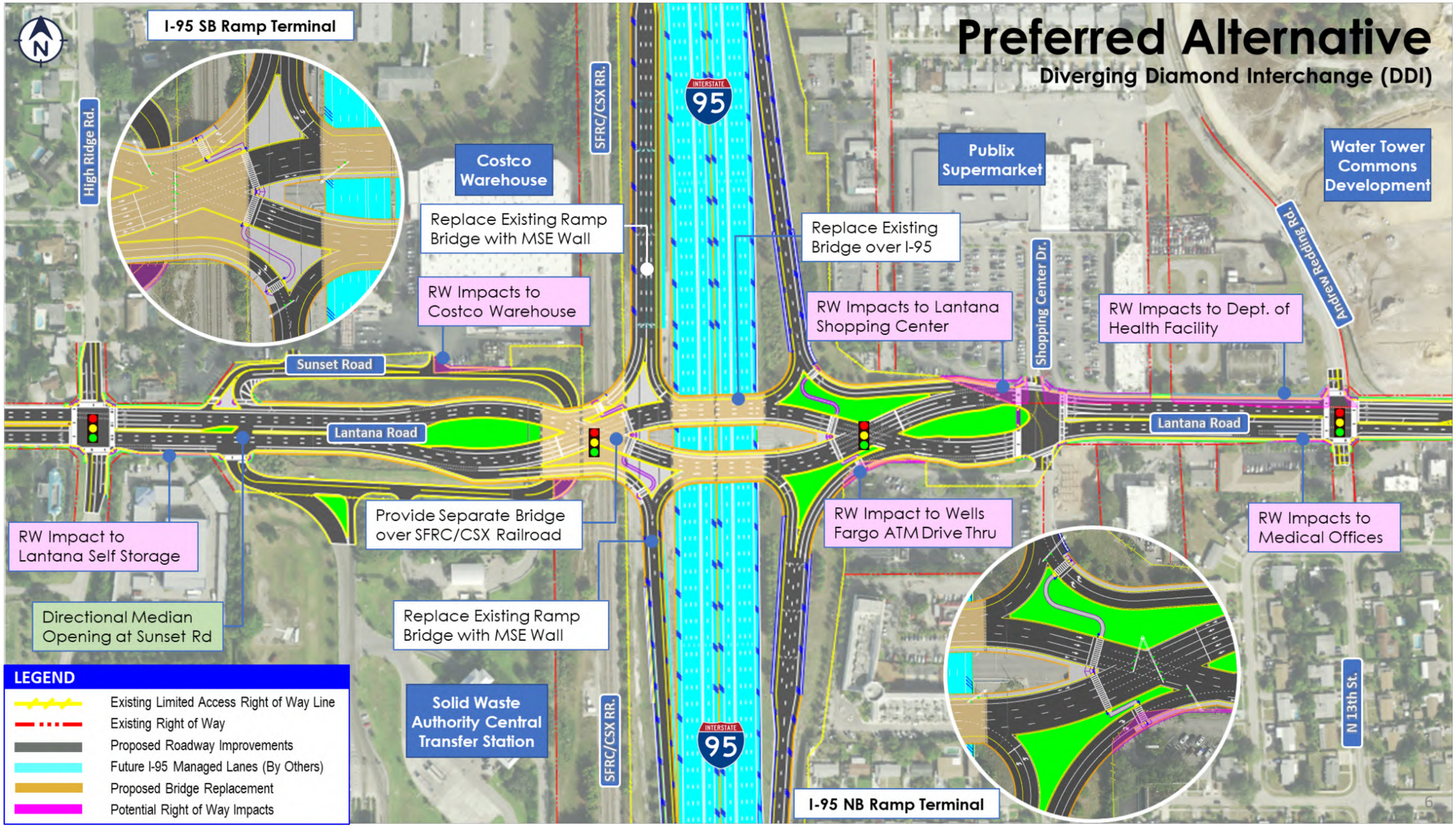

Figure 2-4 Conceptual Layout for Preferred Alternative

3.0 METHODOLOGY

A preliminary (Level I) evaluation of the Study Area was conducted to determine potential contamination issues within the proposed project limits from properties or operations located within the vicinity of the project. Per the PD&E Manual, the contamination Study Area encompasses the right of way and properties within 500 feet of the corridor, solid waste sites within 1000 feet, and superfund/landfill sites within 1/2 mile of the project. Sites found to have a history of contamination, or to house hazardous substances, were evaluated for potential contamination involvement with the proposed Preferred Alternative and a degree of risk was assigned for each site. The evaluation consisted of the following tasks:

1. A review of prior FDOT documents covering the project area, consisting of the following:

    1. Asbestos Survey Report: Eastbound Lantana Road to Southbound Interstate 95 (SR 9), Bridge No. 930274 (MP 0) (September 2011)

    2. Asbestos Survey Report: Southbound Interstate 95 (I-95/SR 9) Ramp to Lantana Road, Bridge No. 930275 (MP 0.14) (September 2011)

    3. Asbestos Survey Report: Eastbound and Westbound Lantana Road (SR-812) Over Interstate 95 (I-95/SR 9) and CSX Railroad, Bridge No. 930276 (MP 3.117) (September 2011)

    4. Report of Air Monitoring & Project Oversight During the Removal of Asbestos-Containing Materials at Three Bridges in Lantana, Florida (November 7, 2013)

2. Field surveys were conducted in September 2019 to verify information obtained from public records, and to identify additional potential contamination sites not addressed in the public records. Copies of site photographs are presented in **Appendix A**.

3. Historical aerials obtained from the FDOT and Google databases for the years 1964, 1968, 1973, 1975, 1986, 1991, 1995, 1999, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2011, 2013, 2015, 2017, and 2019 were studied to evaluate the corridor's progression of development and to identify any potential contamination sites predating or unrecorded in available agency records. Copies of representative aerial photographs reviewed are presented in **Appendix B**.

4. The identification of facilities permitted to handle, store, or generate hazardous substances and sites with documented hazardous substance discharges within 500 feet, non-landfill solid waste sites within 1000 feet, and superfund sites within one mile of the project corridor through the review of the Geographic Information Systems (GIS) databases of various Federal, State and local enforcement agencies. The GIS layers reviewed include, but were not

limited to: the U.S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Act Regulated (RCRA) Facilities; EPA Superfund Sites; Florida Department of Environmental Protection (FDEP) State Funded Hazardous Waste Cleanup Sites; FDEP Dry Cleaning Program Sites; FDEP Petroleum Contamination Monitoring Sites; FDEP Large Quantity Generators of Hazardous Waste; Brownfield Areas; FDEP Storage Tank Contamination Monitoring (STCM) sites; FDEP Solid Waste Facilities; FDEP Institutional Controls Registry; FDEP Treatment, Storage and Disposal (TSD) facilities of Hazardous Waste; and FDEP Compliance and Enforcement Tracking. Data collection from the GIS databases provided basic facility information including addresses, permit/discharge identification (ID) numbers, cleanup status, distance from right of way, etc.

5. Site history investigations conducted in September - November 2019 for each facility identified as a potential contamination concern were done by reviewing documentation available within Federal, State, and local regulatory agency online databases. The online databases reviewed were the Palm Beach County CINEMA and the FDEP OCULUS and Map Direct data management systems.

6. This report provides the results of a Level I evaluation of the project corridor and defines the potential for contamination impacts. A Level II investigation, which includes soil and groundwater sampling or other means to verify the type and extent of contamination present (that may have the potential to impact the project), will be conducted during the Final Design phase, as necessary.

An evaluation of all data collected for each site was used to determine the site's potential degree of risk for contamination involvement with the proposed project. Risk ratings were assigned in accordance with Part 2, Chapter 20, Section 20.2.2.4 (January 14, 2019 revision) of the FDOT PD&E Manual. The contamination rating system is divided into four degrees of risk: No, Low, Medium and High. This system expresses the degree of likelihood for potential contamination problems that may impact project construction:

No – A review of available information on the property and a review of the conceptual or design plans indicates there is no potential contamination impact to the project. It is possible that contaminants have been handled on the property. However, findings from the Level I evaluation indicate that contamination impacts are not expected.

Low – A review of available information indicates that past or current activities on the property have an ongoing contamination issue; the site has a hazardous waste generator identification (ID) number, or the site stores, handles, or manufactures hazardous materials. However, based

on the review of conceptual or design plans and/or findings from the Level I evaluation, it is not likely that there would be any contamination impacts to the project.

Medium – After a review of conceptual or design plans and findings from a Level I evaluation, a potential contamination impact to the project has been identified. If there is insufficient information (such as regulatory records or site historical documents) to make a determination as to the potential for contamination impact, and there is reasonable suspicion that contamination may exist, the property should be rated at least as a "Medium". Properties used historically as gasoline stations and which have not been evaluated or assessed by regulatory agencies, sites with abandoned in place underground petroleum storage tanks or currently operating gasoline stations should receive this rating.

High – After a review of all available information and conceptual or design plans, there is appropriate analytical data that shows contamination will substantially impact construction activities, have implications to right of way acquisition or have other potential transfer of contamination related liability to the FDOT.

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4.0 LAND USE

The existing land uses, including vacant lands, within the project area were identified through the interpretation and review of the FDOT's Generalized Land Use (2015) GIS layer.

The I-95 corridor and intersecting arterials, including Lantana Road, are designated as transportation land use. The land use in the project area encompasses mainly non-public land uses consisting of a mix of institutional areas, industrial areas, residential areas, retail/office areas and vacant use areas. There are areas of public/semi-public land uses directly to the west of I-95 which include the SFRC/CSX Railroad and the Solid Waste Authority Central Transfer Station. Existing land use, including acreage by land use type, is depicted in **Figure 4-1**.

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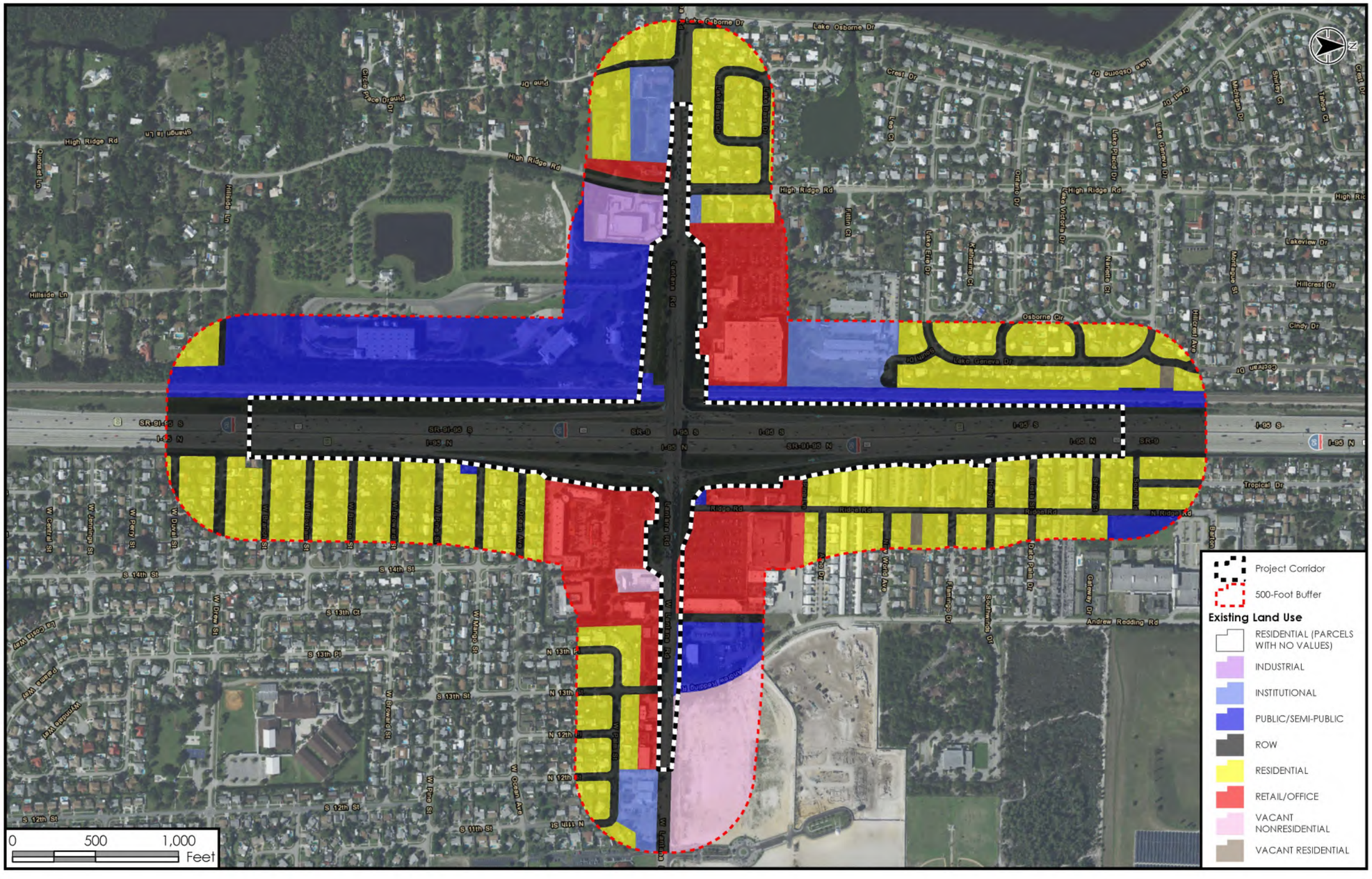

Figure 4-1 Existing Land Use

5.0 HYDROLOGY

5.1 Regional Geology

In Palm Beach County, the surficial aquifer is composed of sediments from the Pliocene and Pleistocene Epochs. The parent materials for the soils near the project area are primarily entisol and spodosol parent material. The geological units generally observed from the land surface down include the Arents-Urban Land Complex, Basinger Fine Sands, Basinger and Myakka Sands, Immokalee Fine Sands, Myakka Fine Sand, Myakka Urban Land Complex, Pomello Fine Sand, Quartzipsamments, St. Lucie Paola Urban Land Complex, and Urban land (see **Table 5-1** and **Figure 5-1**) The topography of the Study Area is relatively flat with little change in relief other than the manmade interchange embankments. Please see the topography map in **Appendix C** for more information.

Table 5-1 NRCS Soil Types within 500 Feet of the Project Study Area

Mapping Unit	Soil Type Description	Hydric Y/N	Drainage	Percentage of Project Area
4	Arents-Urban Land Complex, 0 to 5% Slopes	No	Somewhat Poorly Drained	2.99
6	Basinger Fine Sand, 0 to 2% Slopes (Altered)	Yes	Poorly Drained	0.60
8	Basinger and Myakka Sands, Depressional (Altered)	Yes	Very Poorly Drained	0.90
18	Immokalee Fine Sand, 0 to 2% Slopes	No	Poorly Drained	2.30
21	Myakka Fine Sand, 0 to 2% Slopes	No	Poorly Drained	23.25
22	Myakka-Urban Land Complex	No	Poorly Drained	3.45
33	Pomello Fine Sand, 0 to 5% Slopes	No	Moderately Well Drained	4.05
35	Quartzipsamments, Shaped, 0 to 5% Slopes	No	Well Drained	2.39
41	St. Lucie-Paola-Urban Land Complex, 0 to 8% Slopes	No	Excessively Drained	56.57
48	Urban Land	Unranked		3.50

Soil #	Description	Hydric	Acres
4	ARENTS-URBAN LAND COMPLEX, 0 TO 5% SLOPES		12.51 ac
6	BASINGER FINE SAND, 0 TO 2% SLOPES	Y	0.85 ac
8	BASINGER AND MYAKKA SANDS, DEPRESSIONAL	Y	2.31 ac
18	IMMOKALEE FINE SAND, 0 TO 2% SLOPES		5.50 ac
21	MYAKKA FINE SAND, 0 TO 2% SLOPES		63.01 ac
22	MYAKKA-URBAN LAND COMPLEX		8.84 ac
33	POMELLO FINE SAND, 0 TO 5% SLOPES		14.46 ac
35	QUARTZIPSAMMENTS, SHAPED, 0 TO 5% SLOPES		6.82 ac
41	ST. LUCIE-PAOLA-URBAN LAND COMPLEX, 0 TO 8% SLOPES		159.63 ac
48	URBAN LAND		9.66 ac
Total			**283.59 ac**

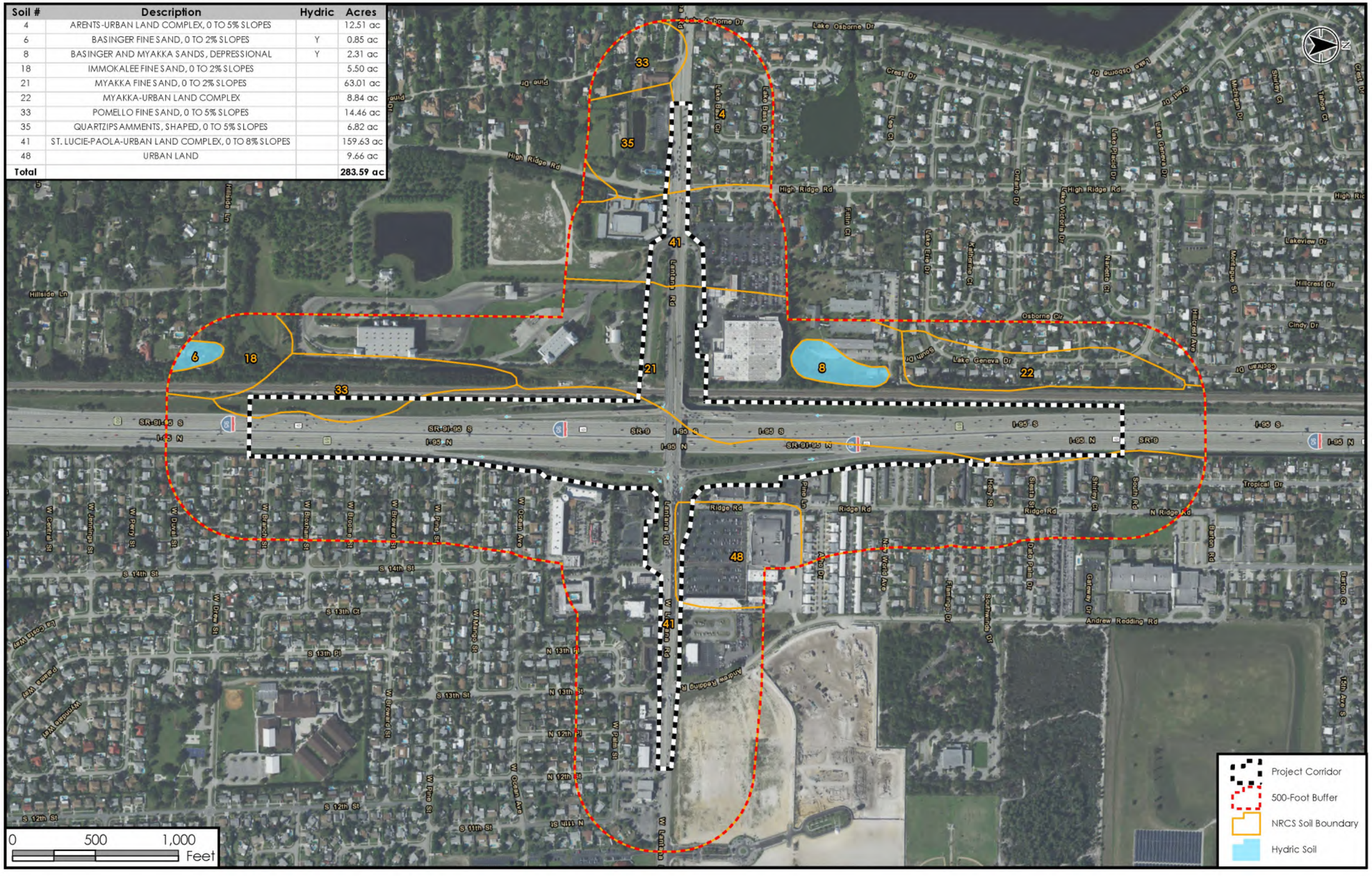

Figure 5-1 Soils Map

5.2 Regional Hydrogeology

The Surficial Aquifer System in Palm Beach County includes multiple undefined aquifers that are present at land surface. The aquifer is generally unconfined and is made up of mostly unconsolidated sand, shelly sand, and shell. The aquifer thickness is typically less than 50 feet. Groundwater in the surficial aquifer generally flows from areas of higher elevation towards the coast or streams where it can discharge. In this area, the regional groundwater flow is towards the south and southwest and the water table generally lies approximately eight feet below the land surface. More information on regional drainage can be found in the Drainage Report, on file at FDOT District Four.

5.3 Water Supplies

The proximity of the project corridor to public wellfields and surface water bodies was investigated. According to the Palm Beach County Existing Wellfield Protection Zone Map (2013) (see **Figure 5-2**), two wellfields (40-10-P and 40-11-P) are located within the project area. Facilities that store, use, handle or produce regulated substances in the wellfield zones are required to obtain a Hazardous Material Wellfield License and are routinely inspected by the County. The license requires recordkeeping, notifications, training, ground water and raw water monitoring and a spill contingency plan. The handling and use of regulated substances when used for paving road surfaces is exempt from licensing requirements. Additionally, reclaimed water and untreated water cannot drain to the ground or be allowed to flow to within 100 feet from an existing water well.

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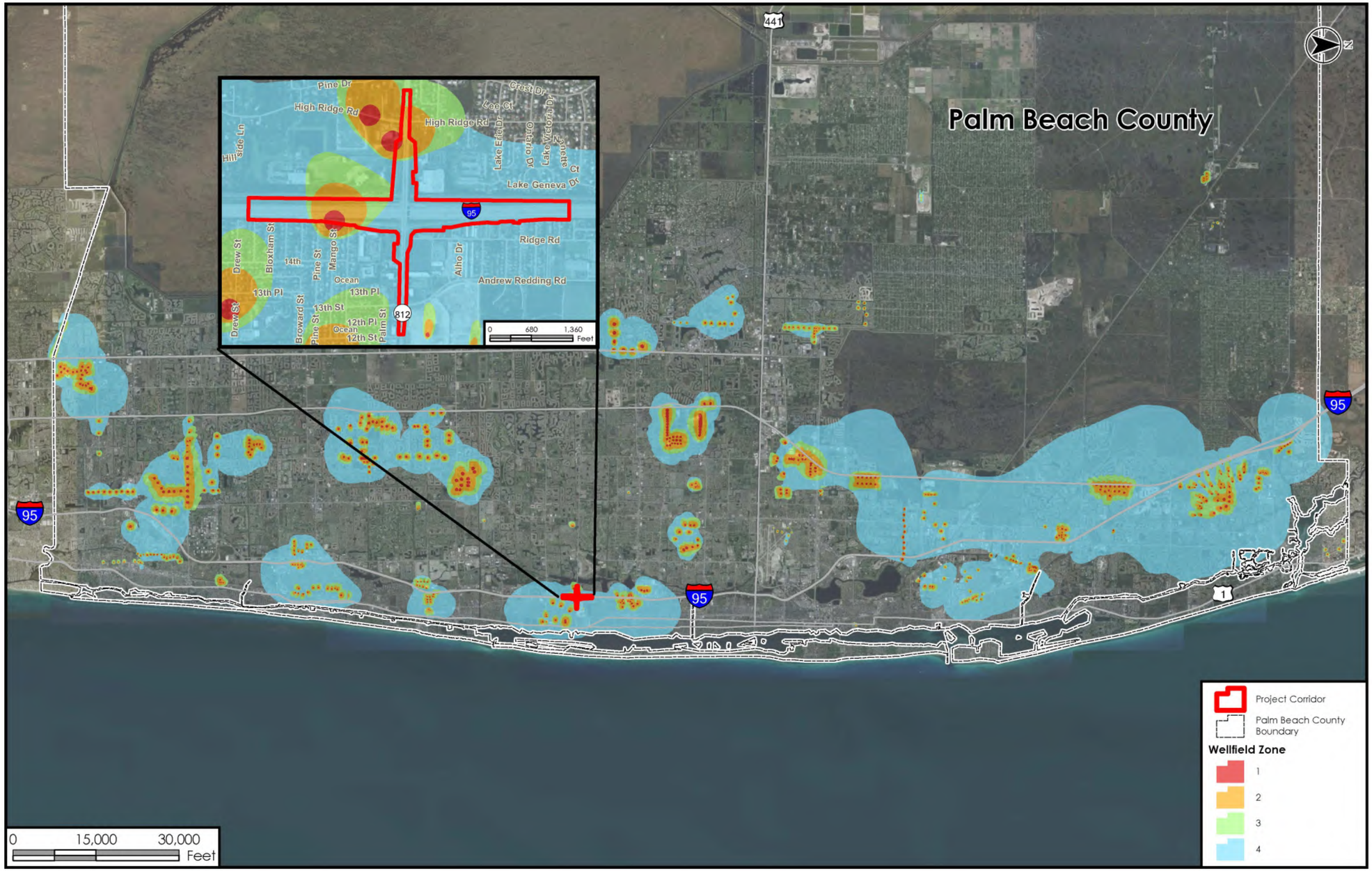


Figure 5-2 Wellfield Location Map

6.0 PROJECT IMPACTS & REGULATORY STATUS OF SITES

The project Study Area was reviewed through the FDOT Efficient Transportation Decision Making (ETDM) process where members of the Environmental Technical Advisory Team (ETAT) provide input/comments. The ETDM Screening Summary Report (No. 14338) is on file at FDOT District Four. The EPA assigned a "*Moderate*" degree of effect for contaminated sites, recommending sampling and analysis of soils and groundwater to determine if petroleum and hydrocarbon pollutants are present above regulatory levels. Consistent with EPA's recommendations, during this evaluation, attention was paid to existing contamination that may have an effect on the proposed project (see **Section 6.3**). The EPA also noted that bridge modification has the potential to disturb ACM and recommended that a study be completed to determine the actual location, quantity, and nature of ACM on the bridge. As part of the PD&E study, research was done to verify that asbestos surveys and abatement had been conducted previously for all three bridges in the project area (see **Section 6.1**).

The FDEP assigned a "*Minimal*" degree of effect for contaminated sites. They identified several regulated facilities within the project Study Area and requested that FDOT notify FDEP and Palm Beach County if contamination is found during construction. FDEP also noted that FDOT may have to undertake remediation activities for contamination within the project Study Area, and that FDOT outline specific procedures that will be followed if potential contamination is encountered during construction (see **Section 7.0**).

The South Florida Water Management District (SFWMD) also assigned a "*Minimal*" degree of effect for contaminated sites and commented that the project should be designed to minimize the spread of any contaminant plumes present in the project area. SFWMD also noted that a general permit is available in rule 40E-2.061(2), FAC. However, if dewatering is necessary and the project does not qualify for the general permit, a water use permit from the SFWMD will be required. (see **Section 7.0**).

6.1 Review of Previous FDOT Studies

There are no existing Level II Evaluations available for FDOT District Four projects that overlap with the I-95 at Lantana Road project corridor. While asbestos surveys were not conducted as part of this PD&E Study, available ACM surveys that were previously conducted on bridges within the current PD&E Study Area are included in **Table 6-1**. Asbestos surveys were conducted in July 2011 for bridge #930274 (southbound I-95 off-ramp onto Lantana Road), bridge # 930275 (southbound I-95 on-ramp from Lantana Road), and bridge #930276 (Lantana Road over I-95 and

CSX Railroad). There was no limitation to sampling locations; however, sampling of these bridges was representative and determined by experience of the field reviewer. The collected samples yielded positive results for asbestos in Class V finish on select areas of all three bridges.

Asbestos removal was performed using wet method removal techniques for all three bridges between August 7, 2013 and October 24, 2013. Air monitoring conducted during abatement activities confirmed that the airborne fiber concentrations remained below the US EPA clean air standard of 0.01 fibers per cubic centimeter of air (f/cc). Following completion of asbestos removal, visual inspections confirmed that all known ACM had been suitably abated.

It should also be noted that no LBP surveys were required for this study due to the fact that the bridges are made of concrete and do not contain any materials that were coated with LBP.

Table 6-1 Summary of Asbestos Testing Results

Bridge Location	Bridge #	Direction	ACM Detected
I-95 off-ramp	930274	SB I-95	Regulated ACM (RACM) detected in Class V finish
I-95 off-ramp	930275	SB I-95	RACM detected in Class V finish
Lantana Road over I-95	930276	NB/SB Lantana Road	RACM detected in Class V finish

6.2 Historical Aerial Review

Available historical aerial photography from 1964 to the present was reviewed from a contamination perspective to identify previous and current land uses which may have the potential to adversely impact implementation of the recommended build alternative. **Table 6-2** contains a summary of the historical aerial review and **Appendix B** contains historical aerial photographs of the project Study Area.

Table 6-2 Historical Aerial Review	
Year	**Summary of Observed Conditions/Identified Concerns**
1964	I-95 has been constructed. Residential developments have been constructed. Minimal commercial developments. Minimal agricultural land use appears to remain. Many more open lands than the present. Landfill is established and actively operating.
1968	Minimal changes to residential development. Previously existing commercial developments have been improved, such as expanded parking lots, access, etc.
1973	No significant changes from 1968.
1975	The I-95 and Lantana Road intersection is being expanded to include on and off ramps and raising of Lantana bridge over I-95. Substantial right of way acquisition appears to be occurring.
1986	Construction of raised intersection of I-95 and Lantana Road has completed. New commercial development in area between Andrew Redding Road and N 8th Street. Minimal increase in residential density. Construction of railroad has occurred.
1991	New land cleared at the NW corner of I-95 and Lantana Road. No other major changes.
1995	The vacant area at the NW corner of I-95 and Lantana has been developed into a Costco. No other major changes have occurred since 1991.
1999	Baseball fields have been developed in the area between Andrew Redding Road and N 8th Street.
2002	Land to the west of the landfill has been cleared.
2004	More land to the west of the land fill has been cleared. Land to the south of the landfill has also been cleared.
2005	Increased development and expansion of the landfill has begun.
2006	Expansion of the landfill is still ongoing.
2007	Expansion of the landfill has been completed.
2008	No major changes from 2007.
2009	No major changes from 2008.
2011	No major changes from 2009.
2013	No major changes from 2011.
2015	The area between Andrew Redding Road and N 8th Street has been abandoned. Minor changes to existing residential areas.
2017	The area between Andrew Redding Road and N 8th Street has been cleared for construction.
2019	The area between Andrew Redding Road and N 8th Street is undergoing construction of mixed use commercial and residential development. Existing commercial and residential use remains relatively unchanged.

6.3 Site History

The potential contamination sites located within 500 feet of the project are identified in **Figure 6-1** and summarized in **Table 6-3** and **Table 6-4**. The Potential Contamination Sites table (**Table 6-4**) provides a summary of the evaluation for each site and the risk rating assignments associated with the Preferred Alternative. Additionally, non-landfill solid waste facilities within 1000 feet, and Superfund/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/landfill sites within 1/2 mile of the project were identified. One solid waste site was identified and rated as Low risk: Solid Waste Authority of PBC-Central County Transfer Station (Site #8). No superfund/CERCLA sites were identified within 1/2-mile of the project, but one inactive sanitary landfill was found within the buffer zone.

This evaluation revealed one (1) **No** risk site, three (3) **Low** risk sites, and five (5) **Medium** risk sites. Detailed descriptions of these facilities are included below. **Low** risk sites are primarily sites listed as petroleum spills or sites with storage tanks which are not anticipated to have contamination impacts based on regulatory record review and/or distance from the project area. The **Medium** risk sites are sites which have received Notice of Violations (NOVs) or for which there is unknown information to determine the potential for contamination impacts, and two gas stations not being impacted by the Preferred Alternative. The Medium Risk sites should be further evaluated during the design phase of the project to determine if contaminants may be disturbed during project activities. Please see **Appendix D** for regulatory files for all Medium risk sites.

Table 6-3 Number of Potentially Contaminated Sites for Each Build Alternative

Project Alternatives	Contamination Risk			
	No	Low	Medium	High
1	1	3	4	1
2 (Preferred Alternative)	1	3	5	0
3	1	3	4	1

None of the alternatives evaluated included any sites not impacted by the Preferred Alternative. All risk ratings were the same for each alternative, except for Site #6, Shell Gas Station. Site #6 was rated a **High** for Alternatives 1 and 3 due to potential right of way impacts to underground

storage tanks. The Preferred Alternative does not include right of way of impacts to the Shell Gas Station; therefore, this site was assigned a **Medium** rating for Alternative 2.

Site #1
Lake Worth Sanitary Landfill
1699 Wingfield Street
Lake Worth, FL 33460
FDEP Facility ID: 65859

This facility is an inactive Class 1 sanitary landfill that now operates as a solar farm. The 65-acre site is located approximately 1,015 feet east of the I-95 right of way, just south of South 15th Avenue. The City of Lake Worth began operating the unlined landfill using the trench-and-fill method of waste disposal in 1961. Waste from both residential and commercial sources was accepted at this site, and initial dumping of solid waste occurred at and below the water table. Multiple letters of notice and Notices of Violations (NOVs) were issued while the landfill was in operation as a result of various permit violations, including routine dumping of solid waste near the C-51 canal, issues with refuse not being covered properly, and failure to provide information such as permit applications, required engineering information, and monthly operation reports. A consent order requiring immediate cessation of dumping within 200 feet of the C-51 canal and implementation of a water quality monitoring program was issued in October 1976.

Monitoring well sampling of four groundwater monitoring wells began in fall 1976 and an upward trend in Total Dissolved Solids was apparent in May 1977, when the Palm Beach County Health Department recommended site closure due to concerns of potential leachate migration into the groundwater table. Another consent order was issued in January 1978 to outline requirements and grant a time extension for the landfill's closure and subsequent relocation. The Temporary Operating Permit issued in January 1978 required implementation of a Bimonthly Water Quality Monitoring Program as part of its permit conditions. The site was briefly classified as an Open Dump in September 1981 due to various violations, including the detection of explosive gas at the landfill boundary. As of 1982, the site had regained its Class 1 Sanitary Landfill classification.

In February 1982, the groundwater sampling frequency was reduced from bimonthly to quarterly and the requirement to sample the C-51 canal was eliminated. However, monitoring well results in June 1982 revealed elevated levels of chromium, lead and nitrate. The City's application for renewal of the site's operating permit was denied in December 1982 and a Warning Notice was issued in January 1983 due to concerns that the unlined landfill could negatively impact groundwater quality. Elevated levels of several groundwater contaminants (including lead, benzene, trichloroethylene, chloroform, chlorobenzene, and naphthalene) were documented

throughout the early 1980s. In June 1983, a Sanitary Landfill Closure Plan was submitted. Two supplemental groundwater monitoring wells were subsequently installed in accordance with the conditions for the Temporary Operating Permit issued in August 1983.

A Closure Permit was issued in July 1988 and the landfill was raised and capped to prevent groundwater contamination. The Certification of Construction Completion for the landfill's closure was submitted in June 1992 and Post-Closure Monitoring Permits were issued in June 1996 and renewed in November 2001. Multiple sampling results in the years after the landfill's closure indicated elevated levels of benzene above state primary drinking water standards, and samples were occasionally found to be below the pH permit limits. In May 2002, the 1978 Consent Order was closed, and the City was released from the requirement to sample and analyze groundwater data. However, due to the aforementioned benzene exceedances, as well as FDEP concerns that methane could be leaking out of the landfill, two additional groundwater wells and eleven methane wells were installed in fall 2002. As of 2006, no benzene had been detected since fall 2004 and the landfill leachate plume appeared to be contained within the landfill's footprint.

In fall 2012, the bi-annual compliance monitoring sampling event showed that one monitoring well sample exceeded the standard for benzene. Due to the direction of the groundwater flow and indication of benzene at only one monitoring well, it was speculated that this compound was conveyed from an offsite source by a higher than normal water table. Coordination regarding issues with one of the background sampling wells was also ongoing as of Fall 2012; no formal documentation of resolution was found in the regulatory files. However, the landfill facility is no longer active, and the site is located more than 1,000 feet outside of the proposed project limits. No right of way acquisition is proposed for this property or any adjacent properties. Due to the contamination being confined within the property boundary, located over 1000 feet from any proposed improvements, the assigned risk rating for this site is **LOW**.

Site # 2
Publix Store
1589 W Lantana Road
Lantana, FL 33462
FDEP Facility ID: 9808145

This property is located in the Lantana Shopping Center, approximately 400 feet north of Lantana Road and 275 feet east of the northbound I-95 on-ramp. This Publix Store has a 1,000-gallon diesel emergency generator aboveground storage tank (AST) that has been in operation since 2006. All available Tank Facility Annual Compliance Site Inspection reports, including the most

recent May 2013 report, show this facility as in compliance. No right of way acquisition is proposed for this site or any adjacent properties, though some right of way impacts may occur at the entrance to the Lantana Shopping Center on the north side of Lantana Road. Based on the current regulatory status of this facility, its risk ranking is **LOW**.

Site # 3
Costco Gasoline
1873 W Lantana Road
Lantana, FL 33462
FDEP Facility ID: 9701062

This facility operates as a Costco gas station. The property is located approximately 35 feet north of proposed improvements along Sunset Road. This Costco Gasoline has three 20,000-gallon unleaded gasoline underground storage tanks (USTs) and one 1,500-gallon fuel additive UST in operation since August 1997 and January 2012, respectively. The 1,500-gallon UST is located approximately 35 feet east of the three original USTs. No discharges are documented. All available Storage Tank Facility Compliance Site Inspection reports, including the most recent April 2019 report, show this facility as in compliance. The facility also received two In Compliance Letters in September 2017 and May 2019. Right of way acquisition is proposed for this property. Due to its status as a currently operating gasoline station, the assigned risk rating for this site is **MEDIUM**.

Site # 4
R&R Transportation Spill
I-95 Northbound Lane at Lantana Road (26.588687, -80.069011)
Lantana, FL 33462
FDEP Facility ID: 9803549

This site is located within the median of I-95 northbound at Lantana Road, where an R&R Transportation truck's saddle tank ruptured and spilled 100-150 gallons of diesel fuel in 1997. A contractor was subsequently hired to remove the contaminated soil. Nearby potable wells were periodically surveyed by the Florida Department of Health (FDOH) to determine the presence of a migrating plume, but as of 2008 and 2013, the nearest public water supply (PWS) well survey results were below detection for all petroleum indicators. A 2009 FDEP Scoring Review also documented that no free product was present at the discharge site. Although this site exists within FDOT's right of way and roadway improvements are proposed at this location, the assigned risk rating is **LOW** based on the current regulatory status of this site.

Site # 5
Waste MGMT Truck Spill
I-95 Southbound Lane at Lantana Road in Railroad Right of Way (26.586821, -80.069739)
Lantana, FL 33462
FDEP Facility ID: 9803570

This site is located within the SFRC/CSX Railroad right of way, just east of the Solid Waste Authority of PBC-Central County Transfer Station. In 2001, 30 gallons of diesel fuel were spilled at this location after a waste management truck's fuel tank was punctured by an object in the roadway at the Lantana Road and I-95 interchange. Nearby potable wells were periodically surveyed by FDOH to determine the presence of a migrating plume, and in 2013 were below detection levels for all petroleum indicators. A 2009 FDEP Scoring Review also documented that no free product was present at the discharge site. However, the regulatory files do not include any cleanup documentation for the site of the spill. Since no cleanup documentation exists, and this site is adjacent to proposed improvements that require ground excavation, the assigned risk rating is **MEDIUM** due to the potential for petroleum contamination to exist in the soil and groundwater.

Site # 6
Shell Gas Station
1320 Lantana Road
Lantana, FL 33462
FDEP Facility ID: 8732176

This facility operates as a gas station and convenience store. The property is located just south of Lantana Road at 1320 W Lantana Road, Lantana, FL 33462. Right of way acquisition is proposed for this site across for Build Alternative 1 and 3, but not for the Preferred Alternative (Build Alternative 2). This facility maintains six USTs. Three 10,000-gallon single walled steel USTs were originally installed on 12/01/1982. These USTs were decommissioned and replaced by three 15,000-gallon fiberglass double walled USTs on 10/01/2005. The station was rebuilt in 2016 and two more double walled fiberglass tanks were installed (20,000 gallons and 22,000 gallons, respectively). No discharge has been documented at this site; however, upon replacement of the original single-walled UST, monitoring wells were installed, and natural attenuation monitoring activities began in accordance with FDEP Work Order # 2007-50-W60480. The attenuation monitoring reports indicated no hydrocarbon vapors were detected, and concentrations of dissolved-phase hydrocarbon concentrations greater than Groundwater Cleanup Target Levels (GCTLs) were not detected. No right of way acquisition is proposed for this property or any

adjacent properties. Due to its status as a currently operating gasoline station, the assigned risk rating for this site is **MEDIUM**.

Site # 7
Palm Beach Cleaners
N/A
Lantana, Florida 33462
FDEP Facility ID: 9600101

Palm Beach Cleaners was located in the southeast corner of the I-95/Lantana Road interchange, south of the existing non-regulated McDonald's restaurant and approximately 330 feet from the project right of way. It appears that the space formerly occupied by Palm Beach Cleaners has been acquired by the Palm Beach Maritime Academy. Palm Beach Cleaners is no longer in operation.

Although this site previously housed a dry cleaning facility, a school now exists at this location and therefore contaminants of concern are no longer handled at this site. As of the June 2010 Hazardous Waste Inspection Report, the facility was closed, and no violations or areas of concern were found. No right of way acquisition is proposed for this property or any adjacent properties.

Based on the current regulatory status of this facility and the fact that the site no longer exists, the risk rating for this site is **NO**.

Site # 8
Solid Waste Authority of PBC-Central County Transfer Station
1810 Lantana Road
Lantana, FL 33462
FDEP Facility ID: 65564

This property is located adjacent to the SFRC/CSX Railroad, just west of the southbound I-95 right of way and south of Lantana Road. The site operates as the Central County Transfer Station for the Solid Waste Authority of Palm Beach County, and includes the following: a transfer station for garbage, vegetation, and cardboard; an emergency generator; a 12,000-gallon diesel aboveground storage tank (AST); an area for processing of recyclables; a household hazardous waste drop off site; a scale house; and a community center. No violations or areas of concern are documented in any of the site's available FDEP Inspection Checklists, including the most recent April 2019 checklist.

In January 1988, one 6,000-gallon vehicular diesel fuel UST and one 1,000-gallon emergency generator diesel fuel UST were installed at the site. These USTs were replaced when one 2,000-gallon vehicular diesel fuel AST and one 1,000-gallon emergency generator diesel fuel AST were

installed in January 1996. As of the March 2009 inspection, these replacement ASTs were out of service; both tanks were ultimately relocated to the Solid Waste Authority main facility at Jog Road in May 2010. The 12,000-gallon diesel AST that remains on site as of January 2019 was installed in 2008. All available Annual Compliance Site Inspection Reports, including the most recent January 2019 report, show this facility as in compliance. The facility also received an In Compliance Letter in February 2019.

A few minor incidents have occurred since the site began operating. In May 1994, approximately 36 gallons of diesel fuel were spilled due to tank overfill by a fuel supplier. Soils were excavated and screened within 24 hours of the surface spill to ensure containment and control of the discharged product. In December 2004, an Incident Notification Form was unnecessarily submitted when a faulty control panel triggered a false interstitial release detection alarm. The most recent incident occurred in August 2014, when approximately 15 gallons of diesel fuel spilled onto the impervious concrete surface that surrounds the 12,000-gallon diesel AST as a result of human error. The fuel was immediately cleaned, and personnel confirmed that no fuel was released into the environment as a result of the incident.

No right of way acquisition is proposed for this site; however, minor ground excavation will be required at the roadway along the northern edge of the property. Based on a field review and a review of aerial photography, staining along the roadway was evident. Due to the potential impacts to the roadway, the activities conducted on site, past and current presence of storage tanks, evidence of staining, and proximity to proposed improvements and the current regulatory status of this facility, the assigned risk ranking for this site is **MEDIUM**.

Site # 9
CSX Railroad
Railroad Right of Way
Lantana, FL 33462
FDEP Facility ID: N/A

Railroad ties are often a source of contamination from wood treatment, arsenic and oil/grease drips from continuous train passage. This causes a contamination concern for the stone track ballast and surrounding soils. The rail is located adjacent to the southbound I-95 right of way. Based on the proposed improvements above and adjacent to the railroad, including a small area or right of way acquisition, and under the guidance of the District Contamination Impact Coordinator (DCIC), the assigned risk rating for this site is **MEDIUM**.

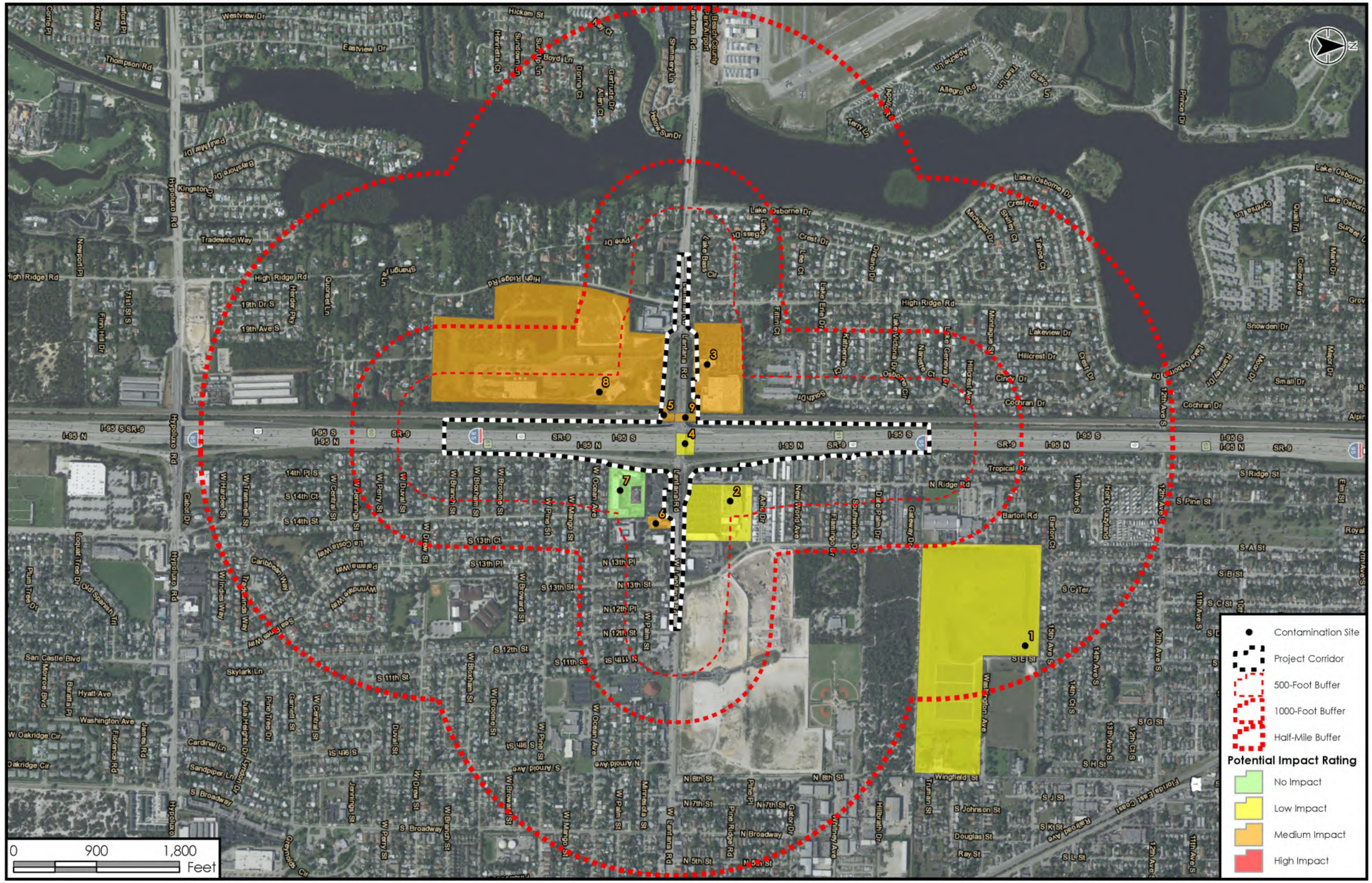


Figure 6-1 Contamination Impact Map

Table 6-4 Potential Contamination Sites

Map ID	Site Name (Facility ID)	Site Address	Risk Type	Risk Rating	Soil/Groundwater	Contamination Type	Distance from Proposed Improvements
1	Lake Worth Sanitary Landfill (65859)	1699 Wingfield Street	Inactive Landfill	Low	Groundwater	Benzene	1,015 feet east of the I-95 right of way
2	Publix Store (9808145)	1589 W Lantana Road	Aboveground Storage Tank (AST) for generator	Low	N/A	N/A	Approximately 400 feet north of Lantana Road and 275 feet east of the northbound I-95 on-ramp
3	Costco Gasoline (9701062)	1873 W Lantana Road	Underground Storage Tanks (USTs) - Petroleum	Medium	N/A	N/A	Adjacent to SFRC/CSX Railroad just west of the southbound I-95 right of way
4	R&R Transportation Spill (9803549)	I-95 Northbound Lane at Lantana Road (26.588687, -80.069011)	Petroleum Spill	Low	N/A	N/A	Within the median of I-95 northbound at Lantana Road
5	Waste MGMT Truck Spill (9803570)	I-95 Southbound Lane at Lantana Road in railroad right of way (26.586821, -80.069739)	Petroleum Spill	Medium	N/A	N/A	Within the SFRC/CSX Railroad right of way adjacent to southbound I-95
6	Shell Gas Station (8732176)	1320 Lantana Road	USTs - Petroleum	Medium	N/A	N/A	Adjacent to Lantana Road
7	Palm Beach Cleaners (9600101)	N/A – site no longer exists	Former dry cleaner	No	N/A	N/A	Site no longer exists, but was located approximately 330 feet east of the I-95 right of way
8	Solid Waste Authority of PBC-Central County Transfer Station (65564)	1810 Lantana Road	Solid Waste/Storage Tanks – diesel	Medium	N/A	N/A	Adjacent to SFRC/CSX Railroad just west of the southbound I-95 right of way and south of Lantana Road
9	CSX Railroad (No Facility ID)	N/A – Railroad right of way	Hazardous Treatment	Medium	Soil	Arsenic	Adjacent to southbound I-95 right of way

7.0 RECOMMENDATIONS

A review of previous FDOT studies within the area was completed, for potential ACM and LBP concerns, however no bridges impacted by the Preferred Alternatives had any ACM or LBP issues. Potential contamination sites within the project Study Area were identified and evaluated for soil and groundwater contamination. None of the sites evaluated were determined to have a 'High' risk of contamination potential and five of the sites were determined to have a 'Medium' risk of contamination potential for the Preferred Alternative. The potential contamination types at the facilities reviewed include petroleum hydrocarbons, solvents, metals, and solid waste.

Three sites within 500 feet of the project are considered to present 'Low' risk based on their current and historical permits, site use, and regulatory status. This includes those sites which have no records of industrial or storage tank permits and/or no documented contamination events. One site evaluated was determined to have 'No' contamination risk to the project.

Partial right of way acquisition will be required from two sites rated as Medium risk, the Costco (Site #3) and the CSX Railroad (Site #9). Based on the Conceptual Stage Relocation Plan (CSRP), this project will not require the acquisition of any entire properties. It is recommended that Level II Contamination testing be conducted at any sites rated High or Medium risk prior to right of way acquisition.

Furthermore, it is recommended that the project be reevaluated during the Final Design phase to determine if any new contamination-related risks are present and to evaluate potential dewatering concerns. Level II Contamination Assessment investigations are recommended for any areas that have proposed dewatering or subsurface work activities (e.g. pole foundations, drainage features) occurring adjacent to or at any of these sites.

If dewatering will be necessary during construction, a SFWMD Water Use Permit and a National Pollution Discharge Elimination System (NPDES) Generic Permit for Discharge of Groundwater will be required. The contractor will be held responsible for ensuring compliance with any necessary dewatering permits. A dewatering plan may be necessary to avoid potential contamination plume exacerbation. All permits will be obtained in accordance with Federal, State, and local laws and regulations, and in coordination with the District Contamination Impact Coordinator.

Additionally, Section 120 Excavation and Embankment – Subarticle 120-1.2 *Unidentified Areas of Contamination* of the *Standard Specifications for Road and Bridge Construction* will be provided in the proposed project's construction contract documents. This specification requires that in the event that any material or suspected contamination is encountered during construction, or if any

spills caused by construction-related activities should occur, the contractor shall be instructed to stop work immediately and notify the FDOT Planning and Environmental Management Office as well as the appropriate regulatory agencies for assistance.

Appendix A

Site Reconnaissance Photographs

Site # 1 – Lake Worth Landfill

Site # 2 – Publix Food Store Generator

Site # 3 – Costco Gas Station

Site # 4/Site # 5 – Spill Location Map (No photos available)

Site # 6 – Shell Gas Station

Site # 7 – Former Location of dry cleaners

Site # 8 – Solid Waste Authority of PBC-Central County Transfer Station

Site # 9 – CSX Railroad Right of Way

Appendix B

Historical Aerial Photographs

1964 – West

1964 – East

1968

1973

1975

1986

1991

1995

1999

2002

2004

2005

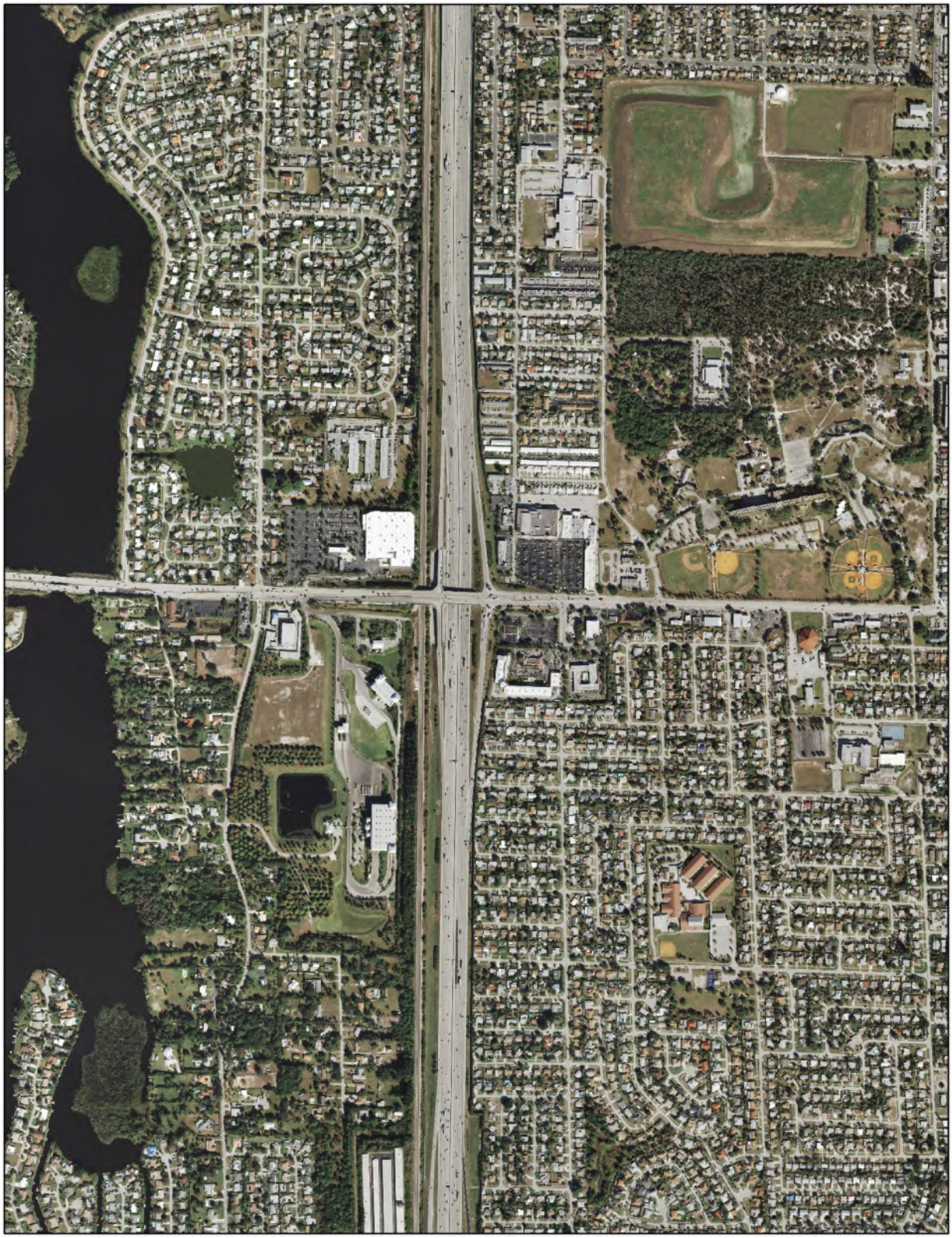
2006

2007

2008

2009

2011



2013

2015

2017

2019

Appendix C

Topography Map

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

LAKE WORTH QUADRANGLE
FLORIDA - PALM BEACH COUNTY
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 17R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery..........NAIP, October 2015 - February 2016
Roads..........U.S. Census Bureau, 2016
Names..........GNIS, 1979 - 2018
Hydrography..........National Hydrography Dataset, 2005 - 2017
Contours..........National Elevation Dataset, 1998 - 2010
Boundaries..........Multiple sources; see metadata file 2014 - 2016
Public Land Survey System..........BLM, 2017
Wetlands..........FWS National Wetlands Inventory 2010

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
NK
Grid Zone Designation 17R

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

QUADRANGLE LOCATION

1	2	
3		
4	5	

1 Palm Beach Farms
2 Palm Beach
3 Greenacres City
4 University Park
5 Delray Beach

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway	▬	Local Connector	▬
Secondary Hwy	▬	Local Road	▬
Ramp	▬	4WD	- - -

Interstate Route
US Route
○ State Route

LAKE WORTH, FL
2018

NSN. 7643016360770
NGA REF NO. USGSX24K24721

Appendix D

Regulatory Files

Site #3
Costco Gasoline (9701062)
1873 W Lantana Road

Department of Environmental Resources Management
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2743
(561) 233-2400
FAX: (561) 233-2414
www.pbcgov.com/erm

May 3, 2019 By Email: *w180adm@costco.com*

Mason Clark/Deo Bansee, Supervisor
Costco Wholesale Corp.
P.O. Box 35005
Seattle, WA 98124-3405

RE: IN COMPLIANCE LETTER
Costco Gasoline (LOC 180), 1873 Lantana Rd., Lantana
DEP Facility ID #9701062
Palm Beach County – Storage Tanks

Dear Mr. Clark/Mr. Bansee:

A storage tanks inspection and file review were conducted at the above noted facility on or about April 24, 2019, by the Palm Beach County Department of Environmental Resources Management. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the storage tank rules and regulations.

The County appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact me at (561) 681-3859 or email, rdusky@pbcgov.org.

Sincerely,

Roberta L. Dusky
Storage Tank Program Supervisor
Resources Protection

rld:cm:kle

Florida Department of Environmental Protection
Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

DEP Form # 62-761.900(2)
Form Title Storage Tank Registration Form
Effective Date July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[ ] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[ ] Tank Info Update/Correction

A. FACILITY INFORMATION

County: Palm Beach	**DEP Facility ID:**	9701062

Facility Name: COSTCO GASOLINE (LOC. NO.#180)
Facility Address: 1873 Lantana Rd City: Lantana Zip: 33462 2601
Facility Contact: _____ Business Phone: _____
Facility Type(s): A NAICS Code: _____ Financial Responsibility: INSURANCE

24 Hour Emergency Contact: _____ **Emergency Phone:** _____

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. **Provide additional information in an attachment if necessary.**

Name:	COSTCO WHOLESALE CORP	Facility - Responsible Person Relation Type:	Effective Date
Mail address:	PO BOX 35005 ATTN: LICENSING	**[√] Facility Account Owner (pays fees)**	
City, ST, Zip:	SEATTLE, WA 98124 3405	Facility Account Owner information must be provided when the facility contains active or out of service storage tanks on site.	
Contact:	C/O JAY GRUBB		
Telephone:	(425) 427-7582	**STCM Account Number (if known)**	48784
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [ ] Property Owner [ ] Storage Tank Owner			

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date		Construction	Piping	Monitoring

Certified Contractor (peforming tank installation or removal): _____ DBPR License No.: _____

Registration Certification: **To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.**

Kristopher Shearer _____ 10/29/2018
Printed Name & Title **Signature** **Date**

Northwest District
160 Governmental Center Blvd.
Pensacola, FL 32501
850-595-8360

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256
904-448-4300

Central District
3319 Maguire Blvd., Suite 232
Orlando, FL 32803
407-894-7555

Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619
813-744-6100

Southeast District
400 North Congress Ave., Suite 364
W Palm Beach, FL 33416
561-681-6600

South District
2295 Victoria Ave., Suite 364
Fort Myers, FL 33901
941-332-6975

Marathon Branch Office
2796 Overseas Hwy., Suite 221
Marathon, FL 33050
305-289-2310

Other Additional Details

Insurance Information

Insurance Carrier:	STEADFAST INSURANCE COMPANY
Policy Number:	EPC1150943-00
Policy Effective Date:	07/01/2018
Policy Expiration Date:	07/01/2021

Tank Owner

Company Name:	COSTCO WHOLESALE CORP
Name:	C/O JAY GRUBB
Address Line 1:	PO BOX 35005
Address Line 2:	ATTN: LICENSING
City/State/Zip Code:	SEATTLE, WA 98124 3405
Phone Number:	(425) 427-7582
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	COSTCO@BARGHAUSEN.COM

Facility Owner

Company Name:	COSTCO WHOLESALE CORP
Name:	C/O JAY GRUBB
Address Line 1:	PO BOX 35005
Address Line 2:	ATTN: LICENSING
City/State/Zip Code:	SEATTLE, WA 98124 3405
Phone Number:	(425) 427-7582
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	COSTCO@BARGHAUSEN.COM

Tank Operator

Company Name:	COSTCO WHOLESALE CORP
Name:	C/O JAY GRUBB
Address Line 1:	PO BOX 35005
Address Line 2:	ATTN: LICENSING
City/State/Zip Code:	SEATTLE, WA 98124 3405

Phone Number:	(425) 427-7582
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	COSTCO@BARGHAUSEN.COM

Tank/Vessel Information

If you are editing an existing Tank ID, the new input will not be stored. To modify a Tank ID you must contact the Storage Tank registration staff at (850) 245-8839 or by e-mail at TankRegistration@dep.state.fl.us

Tank ID:	1
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	20000
Installed:	08/01/1997
Content:	8
Status:	U
Status Effective Date:	08/01/1997
Construction:	E, A, M, I
Piping:	N, M, K, J
Monitoring:	F, K

Tank ID:	2
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	20000
Installed:	08/01/1997
Content:	8
Status:	U
Status Effective Date:	08/01/1997
Construction:	E, A, M, I
Piping:	N, M, K, J
Monitoring:	F, K

Tank ID:	3
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	20000
Installed:	08/01/1997
Content:	8
Status:	U

Status Effective Date:	08/01/1997
Construction:	E, A, M, I
Piping:	N, M, K, J
Monitoring:	F, K

Tank ID:	4
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	1500
Installed:	01/01/2012
Content:	W
Status:	U
Status Effective Date:	01/01/2012
Construction:	E, I, M, N, O, P
Piping:	C, F, J
Monitoring:	1, 3, F, H, K

Florida Department of Environmental Protection

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Division of Waste Management - Storage Tank Facility Registration Form
Registration Instructions and Codes List

The Department of Environmental Protection Storage Tank Program registers the facilities and the storage tanks when aboveground or underground storage tanks store pollutants, hazardous substances, and/or mineral acid substances regulated by Chapter 62-761, Florida Administrative Code, or when aboveground storage tanks or compression vessels store a hazardous substance which requires registration according to Chapter 376, Florida Statutes.

Storage Tank Facility Registration Form
In the first section block, identify the types of information being submitted on the registration form.
Check ***New Registration*** when the **location** is being registered for the first time and no Facility Identification number exists.
If submitting a revised Registration form, check all other boxes that apply to designate the type(s) of revisions being submitted.

I. Facility Information - Properly describe the geographical location where the storage tank facility is located.

Facility ID Include the DEP Facility Identification number whenever possible. Write in "Pending" when submitting a new registration for the first time. Remember: the facility ID number identifies the location, and is transferred to a new owner upon sale of the facility.

Facility Name Provide the current name of the business establishment operating at the facility location. When registering an abandoned facility, where tanks exist *unmaintained*, identify the location with the property owner's name, as in "Smith Property", if no other facility name is being used.

Facility Address Include the county name, and the proper street number and name. Give directions when the facility is located in a rural area with no Rural Route number associated with it (i.e., 'x' miles N of intersection...). Provide the name and telephone number of a contact person or manager *on location*, where possible.

Facility Type This information is an explanation or term that most closely describes the operational use of the facility. Select the code(s) that provides the best or most appropriate description of the facility.

1. If the facility is owned by a government entity, select the appropriate type from the following:

F. Federal Government
G. State Government
H. Local or City Government
I. County Government
N. Indian Land

2. If the facility meets the definition of "bulk product facility" - "a waterfront location with at least one aboveground tank with a capacity greater than 30,000 gallons which is used for the storage of pollutants" ("Pollutants" includes oil of any kind and in any form, gasoline, pesticides, ammonia, chlorine, and derivatives thereof, excluding liquefied petroleum gas."); select the type from:

T. Coastal bulk product facility - facility, as defined above and located on the Florida coast, may have storage tank systems that store hazardous substances in addition to pollutants. ("Coastline means the line of mean low water along the portion of the coast that is in direct contact with the open sea and the line marking the seaward limit of inland waters, as determined under the Convention on Territorial Seas and the Contiguous Zone, 15 U.S.T. (Pt. 2) 1606.").

S. Inland Waterfront bulk product facility - facility, as defined above and located on "inland waterways" (lakes, rivers), may have storage tank systems that store hazardous substances in addition to pollutants.

3. When the facility is a "waterfront location", but not a *bulk product facility* as defined above, select the most appropriate type from:

V. Marine fueling facility - a commercial, recreational, or retail coastal facility that provides fuel to vessels and may store other pollutants and/or hazardous substances on site.

W. Waterfront fueling facility - a commercial, recreational, or retail facility located on a non-coastal waterway that provides fuel to vessels and may store other pollutants and/or hazardous substances on site.

Facility Type continued

4. When the facility is not described as above, select the most appropriate type from:

A. Retail Station - primarily supplies vehicular fuel to automotive customers; may store other regulated substances.
C. Fuel User, Non-retail - primarily stores vehicular fuel and/or other pollutants or hazardous substances for consumption by facility/owner/operator.
D. Inland Bulk Petroleum Storage - inland facility with no waterfront access, that has multiple active UST and/or AST storage systems used primarily for storage of pollutants intended for distribution. May also store hazardous substances on-site for facility consumption and/or distribution purposes.
E. Industrial Plant - inland facility with no waterfront access; may include power plants and facilities designed for manufacturing and/or chemical processing; may have multiple active UST and/or AST storage systems used for storage of pollutants and/or hazardous substances intended for facility consumption.
J. Collection Station - maintenance or other related facility that acquires and temporarily stores used and/or waste oil prior to recycling and/or disposal.
K. Inland Bulk Chemical Storage - inland facility with no waterfront access, that has multiple active UST and/or AST storage systems and/or compression vessels used for storage of hazardous substances intended for distribution. May also store pollutants on site for facility consumption and/or distribution purposes.
L. Chemical User - facility primarily uses regulated hazardous substance tanks on site; may also store pollutants.
M. Agricultural - facility actively used in production of crops, plants, or livestock.
B. Residential (not regulated) - property used primarily for dwelling purposes; regulated substance used for non-commercial purposes; no UST exists > 1100 gallons.
P. UST Residential (>1100 gallons) - residence with USTs regulated by Federal Environmental Protection Agency.
Z. Other - Please identify the type of establishment that you are registering.

North American Industry Classification System (NAICS), developed jointly by the United States, Canada, and Mexico, has replaced the U.S. Standard Industrial Classification Code (SIC) system, effective January, 1997. The new system identifies new industry categories and re-organizes the current data more consistently. More information on this subject can be obtained from: National Technical Information Services, 5285 Port Royal Road, Springfield, Virginia 22161; (800) 553-6847. See also U. S. Department of Commerce Web Sites: **http://ntis.gov** and **http://www.census.gov/epcd/www/naics.html.** When possible – please select the most appropriate code for your facility.

Financial Responsibility – The demonstration of financial responsibility shall be made by the owner or operator in accordance with C.F.R. Title 40, Part 280, Subpart H. Write in your selection of the following:

1. **None**
2. **Insurance Carrier**
3. **Other Mechanism** (includes all other financial responsibility methods meeting requirements of C.F.R. Title 40)

24 Hour Emergency Contact - Provide the name & telephone number of the Emergency Contact for this facility.

II. Responsible Party Information

1. In the first block, provide the name, address, contact name, and telephone number of the individual(s) and/or business(es) that are responsible for the operation of the storage tank facility and for the payment of DEP annual Storage Tank Registration fees. Identify the appropriate facility relationships for this party: Facility Owner/Operator, Tank Owner, and/or Property Owner. The first named party will also be associated with the role of Facility Account Owner. The Account Owner is responsible for payment of the annual storage tank registration fees, and will receive the annual storage tank registration placard(s) upon payment.

2. Identify additional individuals and/or companies that play a role in the ownership or operation of the facility, as necessary.

3. When submitting revisions to owner name or address information, please include their STCM Account Number, when available.

4. Submit a registration form when the facility or tank ownership changes, complete with the **date & new owner's signature.**

III. Tank/Compression Vessel Information - Complete one row in Section C for each storage tank and/or compression vessel system located at the facility. Use the following system description codes where appropriate.

1. Tank ID - number systems sequentially, or provide a unique identification number; do not use symbols (#, %, -, etc.).
2. Tank or Vessel Indicator - write in T or V to describe the system type.
3. Tank Placement - Write in A or U to designate aboveground or underground placement of the system.
4. Tank Capacity - Write in the storage tank capacity in gallons.
5. Installation Date - Record the date of first installation in 'MM/YY' format; provide a best estimate if unknown.

6. Tank Content - Record the current content (or last content, if system is closed or not in use) from the list below.

A. Leaded gasoline
B. Unleaded gasoline
C. Gasohol
D. Vehicular diesel
E. Aviation gasoline
F. Jet diesel fuel
G. Diesel fuel - emergency generator
H. Diesel fuel - generator or pump
K. Kerosene
L. Waste oil / Used oil
M. Fuel oil: on-site heating only; USTs or ASTs <30K gals
N. Fuel oil: distribution; or on-site heating - ASTs > 30K gals
O. New & lube oil
P. Generic Gasoline - grade unknown
Q. Pesticide
R. Ammonia compound
S. Chlorine compound
T. Hazardous substance (CERCLA)
U. Mineral acid
V. Grades 5 & 6, bunker 'C' residual oils
W. Petroleum-base additive product
X. Miscellaneous petroleum-base product
Y. Unknown Substance
Z. Other Substance: please identify

***** Mineral Acid = Hydrobromic acid, Hydrochloric acid, Hydrofluoric acid, Phosphoric acid, Sulfuric acid.
* M = fuel is used solely to heat the facility premises and must be stored in a tank with capacity < 30,000 gallons; exempt from regulation.
* N = fuel is distributed as heating fuel, or fuel is used solely to heat the facility premises , but the storage tank capacity exceeds 30,000 gallons.

**** Compartmented tanks –** register as a single tank; itemize the size and contents of each compartment.

**** Manifold tanks –** register as individual storage tanks; with individual size and content – even though they are "connected".

7. Status - Record the current status of the system, & the status effective date (or best estimate) in 'MM/YY' format. Update the tank status timely, as necessary for tanks moving between "in service" and "out of service" status.

A. Properly closed in place * UST filled with sand, concrete or other inert material; AST rendered unusable.
B. Removed from the site *
***A or B:** UST Closure Assessment required after 12/10/90; AST Closure Assessment required after 3/12/91 - refer to 62-761.800, F.A.C.
E. Construction modified - AST constructed as a "mobile tank" or enclosed in a building; no longer retains a "regulated" status.
F. Unmaintained tank - UST/AST not in use, not properly closed, not to be returned to service (tank must be properly closed within 90 days).
T. Out-of-service tank - UST/AST locked and monitored (10 yr limit for USTs with secondary containment; 2 yr limit for corrosion-protected USTs; 1 yr limit for unprotected USTs; 5 yr limit for ASTs).
U. In-service - UST/AST may be empty for up to 45 days for routine services/maintenance only.
V. Temporary out of service - special designation for field-erected ASTs, greater than or equal to 50,000 gallon capacity; may be empty for up to 180 days for routine services/maintenance only.
Z. Non-regulated product stored in tank; provide status effective date when status relates to a 'change in product' for a particular storage tank.

8. Construction, Piping, and Monitoring Attributes – please select from the lists below, the codes that best describe the attributes of each storage tank system. ** When *"Z. Other DEP Approved"* is selected; please specify the EQ #. **

CONSTRUCTION

Primary Construction:
C. Steel
D. Unknown
E. Fiberglass
F. Fiberglass-clad steel
X. Concrete
Y. Polyethylene
Z. Other DEP approved tank material

Overfill/Spill:
A. Ball check valve
M. Spill containment bucket
N. Flow shut-off
O. Tight fill
P. Level gauges, high-level alarms
Q. Other DEP approved protection method

Corrosion Protection:
G. Cathodic protection - sacrificial anode
H. Cathodic protection - impressed current

Secondary Containment:
I. Double wall construction: single material (outer tank material same as inner tank material)
R. Double wall construction: dual material (outer tank - concrete, approved synthetic material, or tank "jacket")
J. Synthetic liner in tank excavation
K. Concrete, synthetic material, and/or offsite clays beneath AST and in containment area
S. Other DEP approved secondary containment system
V. Pipeless UST with secondary containment

CONSTRUCTION - continued

Miscellaneous attributes:
B. Internal lining
L. Compartmented
U. Field erected tank

PIPING

Primary Construction:
B. Steel or galvanized metal
C. Fiberglass
N. Approved synthetic material
Y. Unknown
Z. Other DEP approved piping material

Corrosion Protection:
D. External protective coating
E. Cathodically protected with sacrificial anode or impressed current

Secondary Containment:
F. Double wall construction: single material (outer pipe material same as inner pipe material)
M. Double wall construction: dual material (outer pipe - approved synthetic material or pipe "jacket")
G. Synthetic liner or box/trench liner in piping excavation or pipe containment area
P. Internal Piping: contained within an internal sump riser, directly connected to tank & located beneath dispenser

Miscellaneous attributes:
A. Aboveground, no contact with soil
I. Suction piping system
J. Pressurized piping system
K. Dispenser liners
L. Bulk product system
H. Airport/seaport hydrant system

MONITORING

External:
A. Site Suitability Plan
B. Site Suitability Plan Exemption
C. Groundwater Monitoring Plan
D. SPCC Plan
E. Interstitial monitoring of UST synthetic liners
N. Groundwater monitoring wells
O. Vapor monitoring wells
P. Vapor monitoring with dilution procedures
Q. Visual inspection of AST systems
W. Fiber-optic technologies
Z. Other DEP approved monitoring method

Internal:
F. Interstitial space - double wall tank
L. Automatic tank gauging system (USTs)
M. Manual tank gauging system (USTs)
R. Interstitial monitoring of AST tank bottom
S. Statistical Inventory Reconciliation (SIR) (USTs)
T. Annual tightness test with inventory (USTs)

Piping monitoring:
G. Electronic line leak detector with flow shutoff
H. Mechanical line leak detector
J. Interstitial monitoring - piping liner
K. Interstitial monitoring - double wall piping
U. Bulk product piping pressure test
V. Suction pump check valve
6. External monitoring

Miscellaneous:
I. Not required - see rule for exemptions
X. None
Y. Unknown
1. Continuous electronic sensing equipment
2. Visual inspections of piping sumps
3. Electronic monitoring of piping sumps
4. Visual inspections of dispenser liners
5. Electronic monitoring of dispenser liners

IV. Certified Contractor & Certification

Record the name and the ***Department of Business and Professional Regulation License Number*** for the ***Certified Contractor*** whenever an underground storage tank has been installed, removed, or closed in place. Do not rely on the contractor to file this form. Storage Tank Registration Forms are required to be submitted by the storage tank system owner or operator.

Please Remember that the Registration Form cannot be processed without the name and signature of the storage tank system owner or operator, and the date of the form submittal. Please print your name legibly in case a representative of the storage tank program should need to contact you.

If you have questions, please call a storage tank registration representative at (850) 245-8839 for assistance.

bce #10877

Florida Department of Environmental Protection

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form #	62-761.900(2)
Form Title	Storage Tank Registration Form
Effective Date	July 13, 1998
DEP Application No.	(Filled in by DEP)

DATA ENTERED AUG 01 2011 BY AVM

RECEIVED 2011 JUL 25 A 11:08

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes.

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[X] New Tanks
	[ ] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[ ] Tank Info Update/Correction

A. FACILITY INFORMATION | **County:** PALM BEACH | **DEP Facility ID:** 50 9701062

Facility Name: COSTCO GASOLINE (LOC. NO.180) #9701062

Facility Address: 1873 W. LANTANA ROAD City: LANTANA Zip: 33462

Facility Contact: GASOLINE FACILITY MANAGER ON DUTY Business Phone: (561) 533-0958

Facility Type(s): A NAICS Code: 4471 Financial Responsibility: ZURICH THIRD PARTY LIAB. AND CLEANUP

24 Hour Emergency Contact: DENNIS BOCK **Emergency Phone:** (425) 313-8100

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. **Provide additional information in an attachment if necessary.**

Name: COSTCO WHOLESALE	Facility - Responsible Person Relation Type:	Effective Date
Mail address: P.O. BOX 35005	[√] **Facility Account Owner (pays fees)**	
City, ST, Zip: SEATTLE, WA 98124	Facility Account Owner information must be provided when the facility contains active or out of service storage tanks on site.	
Contact: DENNIS BOCK, Environmental Compliance Manager		
Telephone: 425-313-8100	**STCM Account Number (if known)** 48784	

Identify other appropriate facility relationships for this party: [X] Facility Owner/Operator [ ] Property Owner [ ] Storage Tank Owner

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
4	T	U	1,500	E 9/2011	W	in service 9/2011	E M N O P T	C F J	F H K 1 3

Certified Contractor (peforming tank installation or removal): ______________________ DBPR License No.: __________

Registration Certification: **To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.**

Alexia Iniguez, Project Planner [signature] July 14, 2011

Printed Name & Title **Signature** **Date**

DEP 62-761.900(2)

Northwest District	Northeast District	Central District	Southwest District	Southeast District	South District	Marathon Branch Office
160 Governmental Center Blvd.	7825 Baymeadows Way, Suite B200	3319 Maguire Blvd., Suite 232	3804 Coconut Palm Drive	400 North Congress Ave.,	2295 Victoria Ave., Suite 364	2796 Overseas Hwy., Suite 221
Pensacola, FL 32501	Jacksonville, FL 32256	Orlando, FL 32803	Tampa, FL 33619	W Palm Beach, FL 33416	Fort Myers, FL 33901	Marathon, FL 33050
850-595-8360	904-448-4300	407-894-7555	813-744-6100	561-681-6600	941-332-6975	305-289-2310

CIVIL ENGINEERING. LAND PLANNING. SURVEYING

July 22, 2011
FEDERAL EXPRESS
(561) 233-0050

Florida Department of Environmental Protection
Plan Review
2600 Blair Stone Road
Tallahassee, FL 32399

RE: Storage Tank Facility Registration
Costco Wholesale Retail Fueling Facility – Fuel Additive Program
1873 West Lantana Road, Lantana, Florida 33462
Costco Loc. No. 180 / Our Job No. 10877

On behalf of Costco Wholesale, Barghausen Consulting Engineers, Inc. is submitting documentation for review and approval of the fuel additive equipment to be installed at the Costco Gasoline facility referenced above.

The project includes the installation of a 1,500-gallon automated underground fuel additive storage tank system, which includes minor excavation for the tank and electrical trench to access spare conduits at the existing vent riser. The fuel additive stored in the underground storage tank is a Class I flammable liquid and will be mixed with the gasoline in the existing underground storage tanks to improve fuel efficiency and engine performance similar to the additives used by other petroleum companies. This product meets the requirements of the U.S. Environmental Protection Agency (EPA) for additives.

Enclosed are the following items for your review and approval:

1. One (1) copy of Costco Wholesale Agent Authorization letter, dated February 21, 2011
2. One (1) Storage Tank Registration Form

Please review and approve the enclosed at your earliest convenience. If you have questions or need additional information, please do not hesitate to contact me at (425) 251-6222 or ainigues@barghausen.com. Thank you.

Respectfully,

Alexia Inigues

M. Alexia Inigues (IGS)
Project Planner

RECEIVED
DEPARTMENT OF ENVIRONMENTAL PROTECTION
2011 JUL 25 A 11:08
BUREAU OF WASTEWATER & GROUNDWATER SERVICES
PLAN REVIEW SECTION

MAI/jss
10877c.019.doc
enc: As Noted
cc: David H Rogers, Costco Wholesale
Jay S. Grubb, Barghausen Consulting Engineers, Inc.
John Ellingsen, Barghausen Consulting Engineers, Inc.
Omar Vasquez, Barghausen Consulting Engineers, Inc.
David A. Segal, Barghausen Consulting Engineers, Inc.

COSTCO WHOLESALE

February 21, 2011

RE: Agent Authorization for Barghausen Consulting Engineers, Inc.
Costco Fuel Additive Program
Costco Gasoline

To Whom It May Concern:

Costco Wholesale Corp., hereby authorizes Barghausen Consulting Engineers, Inc. and their designated personnel under their employment to act on our behalf for the purposes of processing all land use entitlement and development permit related documents where Costco Wholesale is the legal property owner of record in any district within the United States and Canada. Work may also include representation at entitlement hearings or planning meetings for design review and similar services.

Please call me at (425) 427-7554 should you have any questions on this matter.

Respectfully,

David H. Rogers
Director of Real Estate Development

NOTARY

On this 21st day of February, 2011, before me, the undersigned, a Notary Public in and for the State of Washington, duly commissioned and sworn personally appeared David Rogers known to me to be the duly authorized representative of Costco Wholesale, the corporation that executed the foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the purposes therein mentioned, and on oath stated that he was authorized to execute said instrument. WITNESS my hand and official seal hereto affixed the day and year in the certificate above written.

Jennifer J Spadafora
(Signature)

Jennifer J Spadafora
(Printed Name)

JENNIFER J. SPADAFORA
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES
NOVEMBER 19, 2013
(Seal)

NOTARY PUBLIC in and for the State of Washington residing at Issaquah, WA

My commission expires: 11-19-2013

MLW[6213c.064-Authorized Agent.doc]
enc: None

Site #5
Waste Management Truck Spill
I-95 Southbound Lane at Lantana Road in Railroad Right of Way

9803570

INTEROFFICE MEMORANDUM

DATA ENTERED
FEB 07 01
By AS

Date: 01-Feb-2001 08:41am
From: Steve Rial
srial@co.palm-beach.fl.us
Dept:
Tel No:

Subject: NEED NEW ID FOR SPILL SITES

SUBJECT: NEED ID FOR SPILL SITES
FACILITY: WASTE MANAGMENT TRUCK SPILL
R.R. RIGHT OF WAY
LANTANA ROAD AND I-95 JUST EAST OF SOLID WASTE
AUTHORITY- TRANSFER STATION
LANTANA, FL.
OWNER: WASTE MANAGEMENT OF PALM BEACH
651 INDUSTRIAL WAY
BOYNTON BEACH, FL. 33426
CONTACT: CORINNE MATHIS
TELPHONE: (561) 533-5300 EXT 211

WASTE MANAGEMENT TRUCK STRUCK SOMETHING IN ROADWAY CAUSING A PUNCTURE TO FUEL TANK, 30 GAL DIESEL RELEASED

NOTE NO TANKS

THANKS STEVE

Sent 5/23/02 — R/OK — DEP Response ✓

SUPER Act Survey Form

Facility ID: 9803570 County: 50
Name: WASTE MANAGEMENT TRUCK SPILL
Address: RIGHT OF WAY LANTANA RD & I-95
City: LANTANA FL

Number of Large public well (>100,00 gpd) within 1/2 mile: 1
Number of small public and private wells within 1/4 mile: 0
Investigation: 5/21/2002 Investigator: Ismael Gonzalez
Comments: GPS taken at site
Signature: ______________

Well ID	Well Use	Name	Case Material	Diameter	Capacity - GPM
AAD6886	40 Community Well	A.G. Holley State Hospital Well #2 1199 W. Lantana Rd. Lantana FL 33462	Other	6	0

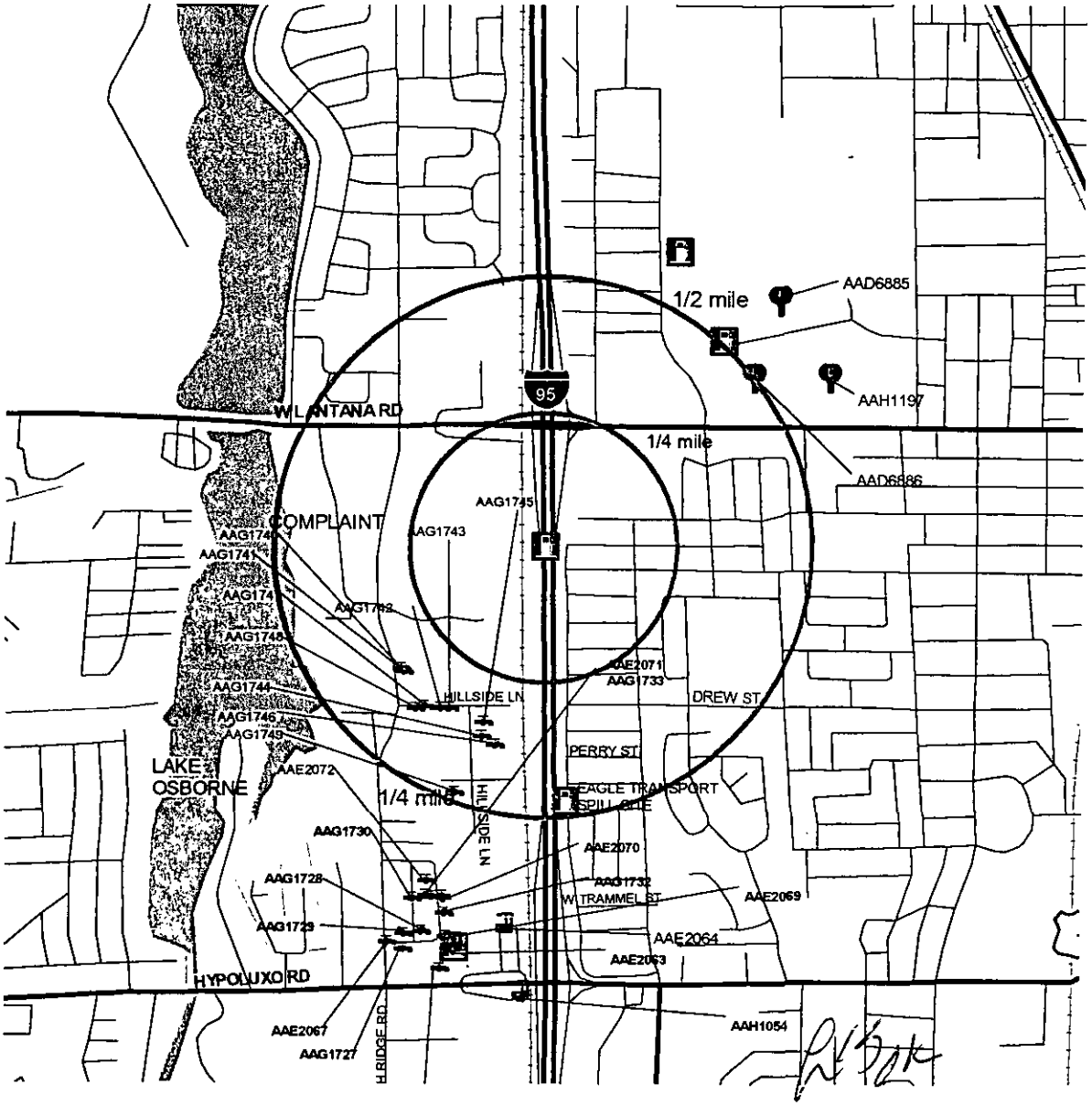
No sample record for this well

RECEIVED BY DOH WELL SURV. MAY 24 2002 APPROVED BY LEE SKORNIA

263504
80411

Palm Beach County

Facility ID: 50 - 9803570
Waste Management Truck Spill
RR Right of way I-95 and Lantana dR
Lantana FL 33462



5/23/02

Wells
- 40 Community Water System (> 100,000 gallons/day)
- 41 Non-Community Public Water System
- 42 Limited Use Public Water System (64E-8)
- 43 Private Water Well
- 45 Non Transient/Non Community Water System
- 46 Community Water System (< 100,000 gallons/day)
- 47 Multi Family Well (3-4 Living Units)
- 50 Irrigation Well
- 60 Permeation
- 70 Non-Well

Facilities
- Drycleaning
- Petroleum
- Major road
- Minor road

N

0 0.1 0.2 0.3 Miles

1:20676

Florida Department of Health

Bureau of Water Programs

Well Surveillance Section

Disclaimer:
This product is for reference purposes only and is not to be construed as a legal document. Any reliance on the information contained herein is at the user's own risk. The Florida Department of Health and its agents assume no responsibility for any use of the information contained herein or any loss resulting therefrom.

palm beach.apr 05/23/2002

FLORIDA DEPARTMENT OF HEALTH

Potable Well Survey

CORRECTED SURVEY

Florida Department of Health Bureau of Water Programs

Facility ID: **9803570** County:
Request: 47505 PALM BEACH
Name: WASTE MANAGEMENT TRUCK SPILL
Address: M 61 S I-95 HWY
LANTANA, FL 33462

GPS Date / Method: 11/10/2008 DGPS OFFS
Decimal Degrees: 26.586821 -80.069739
Deg Min Sec: 26 35 12.5556 80 4 11.0604

Large (>150,000 gpd) Public Supply Wells within 1/2 mile: 1
Small potable wells within 1/4 mile: 0

Sent to CHD: 11/4/2008
Received: 11/13/2008

Comment: APPROVED WaszinkLM

DEP PWS Wells

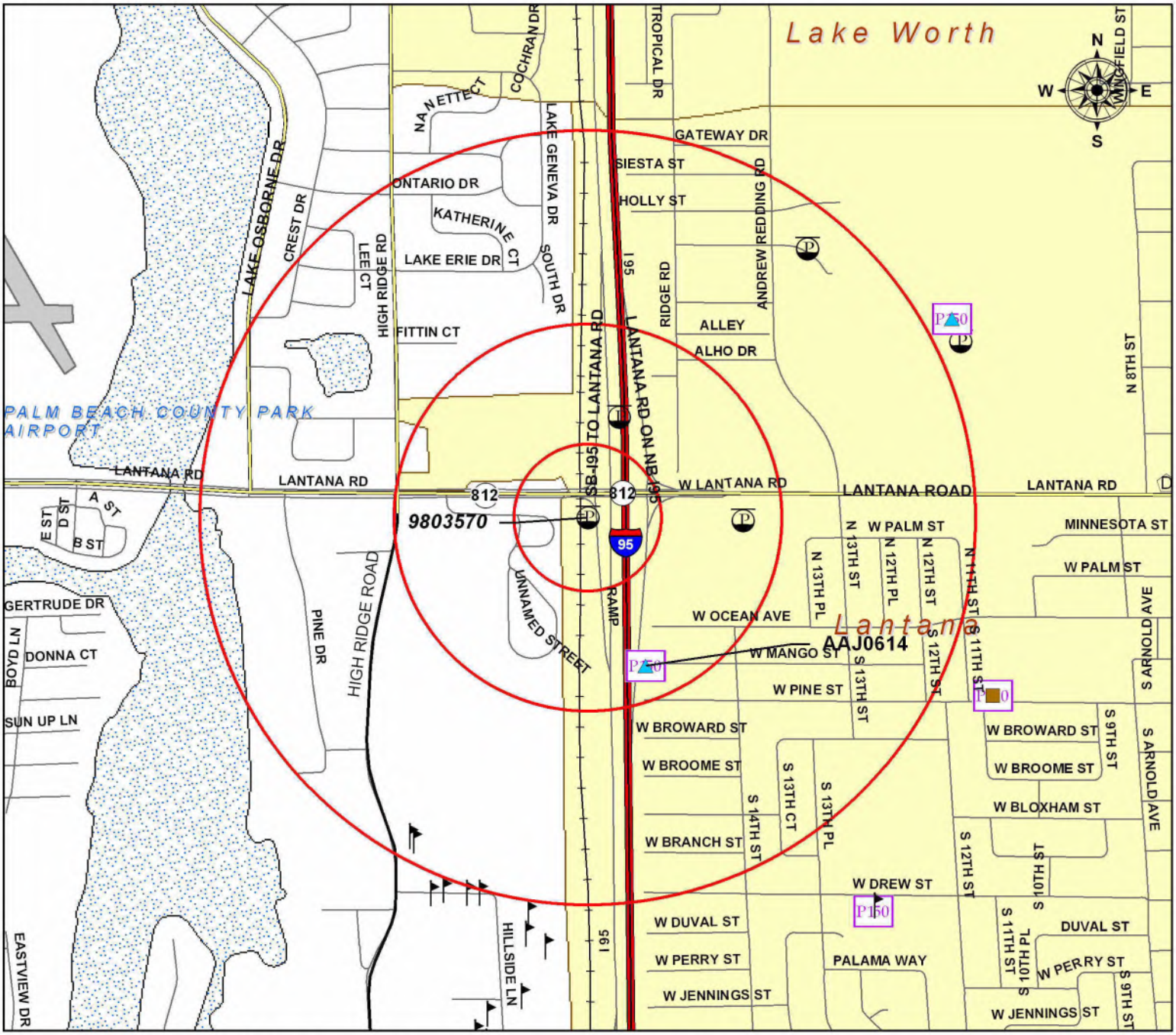
	Well Address	Location / GPS Method	Distance from Facility
AAJ0614 Well Type: COMMUNITY Status: ACTIVE Permit Number: 4500784 Design Capacity: 3840000	LANTANA WTP 1458 W MANGO ST LANTANA, FL 33462	26.584017 -80.068629 DGPS	330.53 m 1084.39 ft Large PWS Well

Latest Sample ID (VOC): 081210-063
Sample Date: 12/22/2008

MONOCHLOROBENZENE	0.27	ug/L	I

9803570
WASTE MANAGEMENT TRUCK SPILL
M 61 S I-95 HWY
LANTANA, FL 33462

Latitude/Longitude: 26.586821 -80.069739
DDMMSS: 26 35 12.5556 80 4 11.0604
Number of large public well (>150,000 gpd) within the 1/2 mile: 1
Number of small public and private wells within the 1/4 mile: 0



Sample Results--Petroleum*

- >1/2 MCL/HAL
- <1/2 MCL/HAL
- <1/4 MCL/HAL
- Sampled, no detect
- Not sampled within last year (3 years if large Community PWS)
- No sample found for this analysis

0 0.125 0.25 0.375 0.5 Miles

SDWA PWS Wells

Design Capacity
- PS <150,000 gpd
- P150 ≥150,000 gpd

Facility Type

- (P) Petroleum
- P Proximity Threat
- (D) Drycleaner
- (T) Toxics
- ? Other
- © Cattle Dip Vat

* The following chemicals were use for the Petroleum Indicator analysis: Benzene, Ethylbenzene, Toluene, Xylenes (Total), Napthalene, and Methyl-Tert-Butyl-Ether (MTBE)

Signature: _____

FLORIDA DEPARTMENT OF HEALTH

Florida Department of Health
Bureau of Water Programs
Potable Well Survey

1/22/2009
WaszinkLM
PALM BEACH

FDEP Scoring Review

Deliverable Date: March 12, 2009

FacilityID: 509803570 **Latitude: 26º 35' 12.5556" N** **Longitude: 80º 4' 11.0604" W**

WASTE MGMT TRUCK SPILL

RR RIGHT OF WAY LANTANA RD & I-95
LANTANA, FL

Scoring Date:	03/12/2009
Scored by:	Alan Sakole
Requested by:	Palm Beach County Area 2
Well Survey Requested:	11/03/2008
Comments:	Distance between DEP and DOH coordinates is 84.54ft

Discharge Date	Discharge ID	Eligibility Date	Program	Eligibility	Previous Score	New Score
12/12/1997	52823				39	55

FacilityID: 509803570 **Latitude: 26º 35' 12.5556" N** **Longitude: 80º 4' 11.0604" W**

Fire/Explosion Hazard

1. Free product or volatilized petroleum products at or above 20% of the Lower Explosive Limit (LEL) in existing utility conduits or vaults, buildings or other inhabited confined spaces (60 points).	
	0
2. Ignitable free product on surface waters or impoundments (60 points).	
	0

Threat to Uncontaminated Drinking Water Supplies

1. Uncontaminated municipal or community well fields of greater than 100,000 gallons per day permitted capacity with a well within 1/2 mile of the site (30 points).	
PWS 4500784	30
a. If the well field's 1 foot draw down contour is known to encompass the site regardless of the well field's distance from the site (20 points).	
	20
b. If the well field is located down gradient of the site (15 points).	
	0
2. Uncontaminated private wells constructed prior to date of contamination discovery, or uncontaminated public water system well field with less than 100,000 gallons per day permitted capacity with a well within 1/4 mile of the site (20 points).	
	0
a. If the well field's 1 foot drawn down contour is known to encompass the site regardless of the well field's distance from the site (10 points).	
	0
b. If the well field is located down gradient of the site (5 points).	
	0
3. Uncontaminated surface water body used as a public water system supply within 1/2 mile of the site (10 points).	
	0

Migration Potential

1. Source Characteristics (select only one) **a. Recent spills or free product found in wells/boreholes (4 points) except free product of 2 inches or more in 2 or more wells/boreholes (6 points).** **b. Recent product loss or wells/groundwater contaminated but no free product (2 points).**	
	2
2. Product Type (select only one) **a. Light petroleum product (kerosene, gasoline, aviation fuel and similar petroleum products) with water soluble additives or enhancers (MTBE, ethanol and similar substances) (3 points).** **b. Light petroleum product with no additives or enhancers (2 points).** **c. Heavy petroleum product (fuel oil, diesel and similar petroleum products) (1 point).**	
	1

Environmental Setting

1. Site located in G-1 aquifer (4 points) or G-2 aquifer (2 points).	
	2
2. Site located in a high recharge permeability geological area (4 points).	
	0
3. Site located within 1/2 mile of an Outstanding Florida Water (1 point).	
	0

Total: 55

Potable Well Survey

CORRECTED SURVEY

Florida Department of Health Bureau of Environmental Health

Facility ID: **9803570** County:
Request: 60767 PALM BEACH
Name: WASTE MANAGEMENT TRUCK SPILL
Address: M 61 S I-95 HWY
LANTANA, FL 33462

GPS Date / Method: 11/10/2008 DGPS OFFS
Decimal Degrees: 26.586821 -80.069739
Deg Min Sec: 26 35 12.5556 80 4 11.0604

Large (>150,000 gpd) Public Supply Wells within 1/2 mile: 4
Small potable wells within 1/4 mile: 0

Sent to CHD: 10/29/2013
Received: 12/31/2013

FAVA*: (MV: More Vulnerable; V: Vulnerable; LV: Less Vulnerable)
Surficial: MV Intermediate: No Data Floridan: No Data

Comment: CORRECTED SURVEY SENT 3/21/2014

* Florida Aquifer Vulnerability Assessment (FAVA) data obtained from the Florida Department of Environmental Protection. The Florida Department of Health does not guarantee this data to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations or decisions based thereon.

DEP PWS Wells

	Well Address	Location / GPS Method	Distance from Facility
AAD6886	A.G. HOLLEY STATE HOSPITAL WELL	26.588314	702.82 m 2305.80 ft
Well Type: COMMUNITY	1199 W LANTANA RD	-80.062866	
Status: INACTIVE	LANTANA, FL 33462	DGPS	
Permit Number: 4500006			Large PWS Well
Design Capacity: 360000			

Latest Sample ID (VOC): 070606-095
Sample Date: 6/20/2007
C-1,2-DICHLOROETHYLENE 0.56 ug/L

Comments: AG STATE HOSPITAL IS CLOSED, VACANT AND WATER PLANT IS OUT OF OPERATION. PWS 4500006 HAS BEEN CLOSED. WELL IS INACTIVE.

AAJ0614	LANTANA WTP	26.584017	330.53 m 1084.39 ft
Well Type: COMMUNITY	1458 W MANGO ST	-80.068629	
Status: ACTIVE	LANTANA, FL 33462	DGPS	
Permit Number: 4500784			Large PWS Well
Design Capacity: 3840000			

Latest Sample ID (VOC): 101130-018
Sample Date: 1/10/2011
All Results were Below Detection for this Analysis

AAM7953	LANTANA UTILITY	26.585724	410.90 m 1348.09 ft
Well Type: COMMUNITY	1792 W LANTANA	-80.073688	
Status: ACTIVE	LAKE WORTH, FL 33462	GPS	
Permit Number: 4500784			Large PWS Well
Design Capacity: 3840000			

Latest Sample ID (VOC): No Sample for this Analysis

AAN2253	LANTANA WTP WELL # 11	26.586604	281.54 m 923.68 ft
Well Type: COMMUNITY	1810 LANTANA RD	-80.072562	
Status: ACTIVE	LANTANA, FL 33462	DGPS	
Permit Number: 4500784			Large PWS Well
Design Capacity: 3840000			

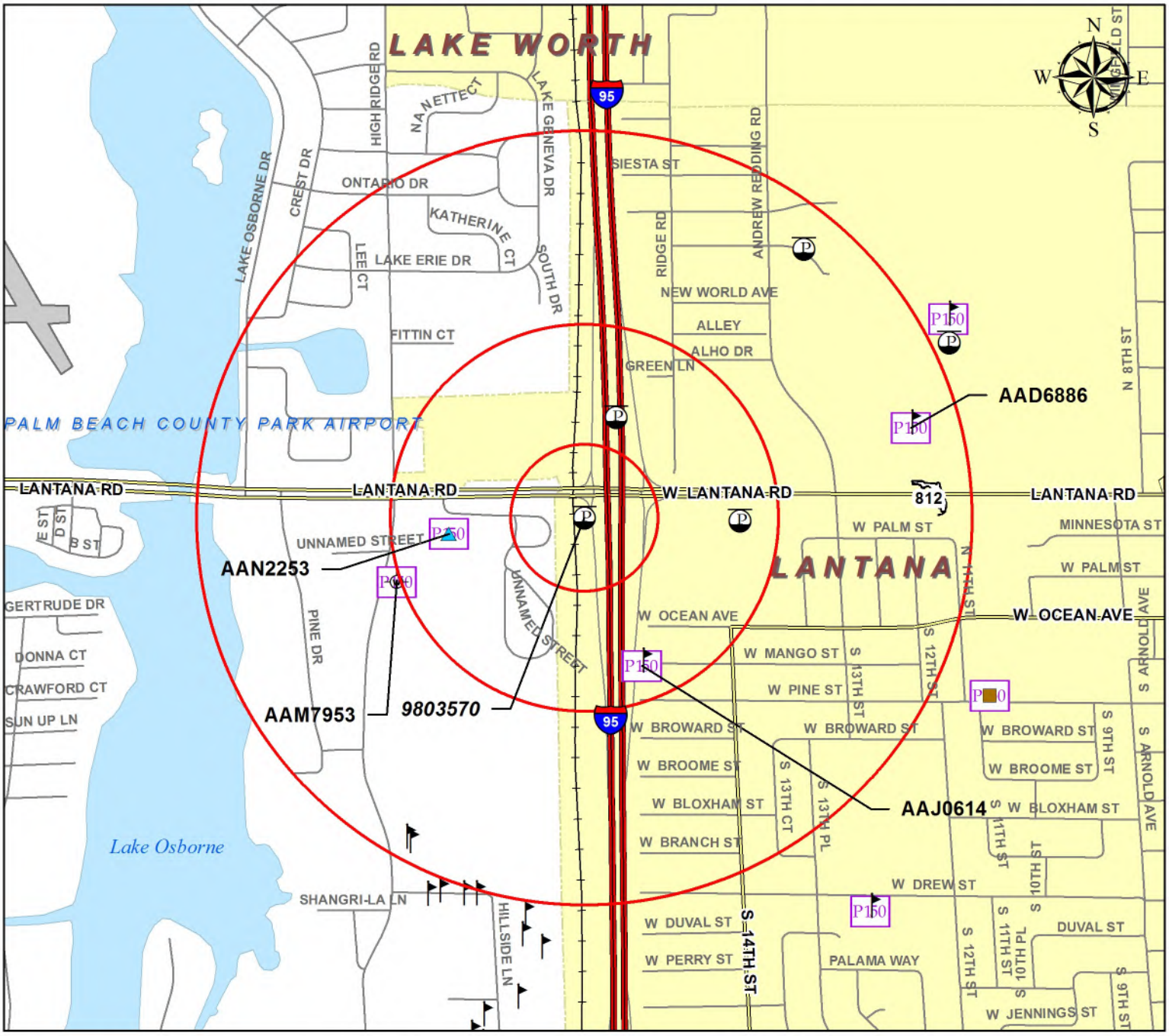
Latest Sample ID (VOC): TLH-2014-01-23-80-02
Sample Date: 1/22/2014 9:25:

Potable Well Survey

All Results were Below Detection for this Analysis

9803570
WASTE MANAGEMENT TRUCK SPILL
M 61 S I-95 HWY
LANTANA, FL 33462

Latitude/Longitude: 26.586821 -80.069739
DDMMSS: 26 35 12.5556 80 4 11.0604
Number of large public wells (>150,000 gpd) within the 1/2 mile: 4
Number of small public and private wells within the 1/4 mile: 0



0 0.1 0.2 0.3 0.4 0.5 Miles

Sample Results--Petroleum*

- ★ >1/2 MCL/HAL
- ● <1/2 MCL/HAL
- ■ <1/4 MCL/HAL
- ▲ Sampled, no detect
- Not sampled within last year (3 years if large Community PWS)
- No sample found for this analysis

SDWA PWS Wells

Design Capacity
- PS <150,000 gpd
- P150 ≥150,000 gpd

Facility Type

- (P) Petroleum
- [P] Proximity Threat
- (D) Drycleaner
- (T) Toxics
- (?) Other
- (C) Cattle Dip Vat

* The following chemicals were use for the Petroleum Indicator analysis: Benzene, Ethylbenzene, Toluene, Xylenes (Total), Napthalene, and Methyl-Tert-Butyl-Ether (MTBE)

Florida Department of Health Bureau of Environmental Health

03/21/2014
BerryMS
PALM BEACH

Site #6
Shell Station (8732176)
1320 Lantana Road

Florida Department of Environmental Protection
Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Storage Tank Facility Registration Form

DEP Form # 62-761.900(2)
Form Title Storage Tank Registration Form
Effective Date July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[ ] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[ ] Tank Info Update/Correction

A. FACILITY INFORMATION

County: Palm Beach	**DEP Facility ID:**	8514282

Facility Name: SHELL-FIRST COAST ENERGY #1717
Facility Address: 1320 Lantana Rd City: Lantana Zip: 33462 1519
Facility Contact: _____ Business Phone: _____
Facility Type(s): A NAICS Code: _____ Financial Responsibility: INSURANCE

24 Hour Emergency Contact: _____ **Emergency Phone:** _____

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. **Provide additional information in an attachment if necessary.**

Name:	FIRST COAST ENERGY LLP	Facility - Responsible Person Relation Type:	Effective Date
Mail address:	7014 A C SKINNER PKWY STE 290 ATTN: STORAGE TANK REC	**[√] Facility Account Owner (pays fees)**	
City, ST, Zip:	JACKSONVILLE, FL 32256 6940	Facility Account Owner information must be provided when the facility contains active or out of service storage tanks on site.	
Contact:	ENVIRONMENTAL DEPARTMENT		
Telephone:	(904) 596-3200	**STCM Account Number (if known)**	45875
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [ ] Property Owner [ ] Storage Tank Owner			

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date		Construction	Piping	Monitoring

Certified Contractor (peforming tank installation or removal): _____ DBPR License No.: _____

Registration Certification: **To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.**

Kevin Kusmirek _____ 02/28/2017
Printed Name & Title **Signature** **Date**

Northwest District
160 Governmental Center Blvd.
Pensacola, FL 32501
850-595-8360

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256
904-448-4300

Central District
3319 Maguire Blvd., Suite 232
Orlando, FL 32803
407-894-7555

Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619
813-744-6100

Southeast District
400 North Congress Ave., Suite 364
W Palm Beach, FL 33416
561-681-6600

South District
2295 Victoria Ave., Suite 364
Fort Myers, FL 33901
941-332-6975

Marathon Branch Office
2796 Overseas Hwy., Suite 221
Marathon, FL 33050
305-289-2310

Other Additional Details

Insurance Information

Insurance Carrier:	CRUM & FORSTER SPECIALTY INS. CO.
Policy Number:	
Policy Effective Date:	
Policy Expiration Date:	

Property Owner

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940
Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Tank Owner

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940
Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Facility Owner

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940

Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Tank Operator

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940
Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Tank/Vessel Information

Tank ID:	1
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	10000
Installed:	12/01/1982
Content:	B
Status:	B
Status Effective Date:	08/01/2005
Construction:	A, E, M, N
Piping:	C, J, K
Monitoring:	G, L

Tank ID:	1R1
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	15000
Installed:	10/01/2005
Content:	B
Status:	B
Status Effective Date:	10/28/2016
Construction:	E, I, M, N

Piping: C, F, J, K
Monitoring: 1, 3, 4, F, K

Tank ID: 2
T/V: TANK
A/U: UNDERGROUND
Capacity: 10000
Installed: 12/01/1982
Content: B
Status: B
Status Effective Date: 08/01/2005
Construction: A, E, M, N
Piping: C, J, K
Monitoring: G, L

Tank ID: 2R1
T/V: TANK
A/U: UNDERGROUND
Capacity: 15000
Installed: 10/01/2005
Content: B
Status: B
Status Effective Date: 10/28/2016
Construction: E, I, M, N
Piping: C, F, J, K
Monitoring: 1, 3, 4, F, K

Tank ID: 3
T/V: TANK
A/U: UNDERGROUND
Capacity: 10000
Installed: 12/01/1982
Content: B
Status: B
Status Effective Date: 08/01/2005
Construction: A, E, M, N
Piping: C, J, K
Monitoring: G, L

Tank ID: 3R1
T/V: TANK
A/U: UNDERGROUND

Capacity: 10000
Installed: 10/01/2005
Content: D
Status: B
Status Effective Date: 10/28/2016
Construction: E, I, M, N
Piping: C, F, J, K
Monitoring: 1, 3, 4, F, K

Tank ID: 4
T/V: TANK
A/U: UNDERGROUND
Capacity: 10000
Installed: 12/01/1982
Content: D
Status: B
Status Effective Date: 08/01/2005
Construction: A, E, M, N
Piping: C, J, K
Monitoring: G, L

Tank ID: 5
T/V: TANK
A/U: UNDERGROUND
Capacity: 20000
Installed: 12/14/2016
Content: B
Status: T
Status Effective Date: 12/14/2016
Construction: C, M, N, I, L
Piping: C, F, K, J
Monitoring: F, R, L, S, M, H, 2, 3, 4, 1

Tank ID: 6
T/V: TANK
A/U: UNDERGROUND
Capacity: 22000
Installed: 12/14/2016
Content: B
Status: T
Status Effective Date: 12/14/2016
Construction: C, M, N, I, L
Piping: C, F, K, J

Monitoring: F, R, L, S, M, H, 2, 3, 4, 1

Florida Department of Environmental Protection

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Division of Waste Management - Storage Tank Facility Registration Form
Registration Instructions and Codes List

The Department of Environmental Protection Storage Tank Program registers the facilities and the storage tanks when aboveground or underground storage tanks store pollutants, hazardous substances, and/or mineral acid substances regulated by Chapter 62-761, Florida Administrative Code, or when aboveground storage tanks or compression vessels store a hazardous substance which requires registration according to Chapter 376, Florida Statutes.

Storage Tank Facility Registration Form
In the first section block, identify the types of information being submitted on the registration form.
Check ***New Registration*** when the **location** is being registered for the first time and no Facility Identification number exists.
If submitting a revised Registration form, check all other boxes that apply to designate the type(s) of revisions being submitted.

I. Facility Information - Properly describe the geographical location where the storage tank facility is located.

Facility ID Include the DEP Facility Identification number whenever possible. Write in "Pending" when submitting a new registration for the first time. Remember: the facility ID number identifies the location, and is transferred to a new owner upon sale of the facility.

Facility Name Provide the current name of the business establishment operating at the facility location. When registering an abandoned facility, where tanks exist *unmaintained*, identify the location with the property owner's name, as in "Smith Property", if no other facility name is being used.

Facility Address Include the county name, and the proper street number and name. Give directions when the facility is located in a rural area with no Rural Route number associated with it (i.e., 'x' miles N of intersection...). Provide the name and telephone number of a contact person or manager *on location*, where possible.

Facility Type This information is an explanation or term that most closely describes the operational use of the facility. Select the code(s) that provides the best or most appropriate description of the facility.

1. If the facility is owned by a government entity, select the appropriate type from the following:

F. Federal Government
G. State Government
H. Local or City Government
I. County Government
N. Indian Land

2. If the facility meets the definition of "bulk product facility" - "a waterfront location with at least one aboveground tank with a capacity greater than 30,000 gallons which is used for the storage of pollutants" ("Pollutants" includes oil of any kind and in any form, gasoline, pesticides, ammonia, chlorine, and derivatives thereof, excluding liquefied petroleum gas."); select the type from:

T. Coastal bulk product facility - facility, as defined above and located on the Florida coast, may have storage tank systems that store hazardous substances in addition to pollutants. ("Coastline means the line of mean low water along the portion of the coast that is in direct contact with the open sea and the line marking the seaward limit of inland waters, as determined under the Convention on Territorial Seas and the Contiguous Zone, 15 U.S.T. (Pt. 2) 1606.").

S. Inland Waterfront bulk product facility - facility, as defined above and located on "inland waterways" (lakes, rivers), may have storage tank systems that store hazardous substances in addition to pollutants.

3. When the facility is a "waterfront location", but not a *bulk product facility* as defined above, select the most appropriate type from:

V. Marine fueling facility - a commercial, recreational, or retail coastal facility that provides fuel to vessels and may store other pollutants and/or hazardous substances on site.

W. Waterfront fueling facility - a commercial, recreational, or retail facility located on a non-coastal waterway that provides fuel to vessels and may store other pollutants and/or hazardous substances on site.

Facility Type continued

4. When the facility is not described as above, select the most appropriate type from:

A. Retail Station - primarily supplies vehicular fuel to automotive customers; may store other regulated substances.
C. Fuel User, Non-retail - primarily stores vehicular fuel and/or other pollutants or hazardous substances for consumption by facility/owner/operator.
D. Inland Bulk Petroleum Storage - inland facility with no waterfront access, that has multiple active UST and/or AST storage systems used primarily for storage of pollutants intended for distribution. May also store hazardous substances on-site for facility consumption and/or distribution purposes.
E. Industrial Plant - inland facility with no waterfront access; may include power plants and facilities designed for manufacturing and/or chemical processing; may have multiple active UST and/or AST storage systems used for storage of pollutants and/or hazardous substances intended for facility consumption.
J. Collection Station - maintenance or other related facility that acquires and temporarily stores used and/or waste oil prior to recycling and/or disposal.
K. Inland Bulk Chemical Storage - inland facility with no waterfront access, that has multiple active UST and/or AST storage systems and/or compression vessels used for storage of hazardous substances intended for distribution. May also store pollutants on site for facility consumption and/or distribution purposes.
L. Chemical User - facility primarily uses regulated hazardous substance tanks on site; may also store pollutants.
M. Agricultural - facility actively used in production of crops, plants, or livestock.
B. Residential (not regulated) - property used primarily for dwelling purposes; regulated substance used for non-commercial purposes; no UST exists > 1100 gallons.
P. UST Residential (>1100 gallons) - residence with USTs regulated by Federal Environmental Protection Agency.
Z. Other - Please identify the type of establishment that you are registering.

North American Industry Classification System (NAICS), developed jointly by the United States, Canada, and Mexico, has replaced the U.S. Standard Industrial Classification Code (SIC) system, effective January, 1997. The new system identifies new industry categories and re-organizes the current data more consistently. More information on this subject can be obtained from: National Technical Information Services, 5285 Port Royal Road, Springfield, Virginia 22161; (800) 553-6847. See also U. S. Department of Commerce Web Sites: **http://ntis.gov** and **http://www.census.gov/epcd/www/naics.html.** When possible – please select the most appropriate code for your facility.

Financial Responsibility – The demonstration of financial responsibility shall be made by the owner or operator in accordance with C.F.R. Title 40, Part 280, Subpart H. Write in your selection of the following:

1. **None**
2. **Insurance Carrier**
3. **Other Mechanism** (includes all other financial responsibility methods meeting requirements of C.F.R. Title 40)

24 Hour Emergency Contact - Provide the name & telephone number of the Emergency Contact for this facility.

II. Responsible Party Information

1. In the first block, provide the name, address, contact name, and telephone number of the individual(s) and/or business(es) that are responsible for the operation of the storage tank facility and for the payment of DEP annual Storage Tank Registration fees. Identify the appropriate facility relationships for this party: Facility Owner/Operator, Tank Owner, and/or Property Owner. The first named party will also be associated with the role of Facility Account Owner. The Account Owner is responsible for payment of the annual storage tank registration fees, and will receive the annual storage tank registration placard(s) upon payment.

2. Identify additional individuals and/or companies that play a role in the ownership or operation of the facility, as necessary.

3. When submitting revisions to owner name or address information, please include their STCM Account Number, when available.

4. Submit a registration form when the facility or tank ownership changes, complete with the **date & new owner's signature.**

III. Tank/Compression Vessel Information - Complete one row in Section C for each storage tank and/or compression vessel system located at the facility. Use the following system description codes where appropriate.

1. Tank ID - number systems sequentially, or provide a unique identification number; do not use symbols (#, %, -, etc.).
2. Tank or Vessel Indicator - write in T or V to describe the system type.
3. Tank Placement - Write in A or U to designate aboveground or underground placement of the system.
4. Tank Capacity - Write in the storage tank capacity in gallons.
5. Installation Date - Record the date of first installation in 'MM/YY' format; provide a best estimate if unknown.

6. Tank Content - Record the current content (or last content, if system is closed or not in use) from the list below.

A. Leaded gasoline
B. Unleaded gasoline
C. Gasohol
D. Vehicular diesel
E. Aviation gasoline
F. Jet diesel fuel
G. Diesel fuel - emergency generator
H. Diesel fuel - generator or pump
K. Kerosene
L. Waste oil / Used oil
M. Fuel oil: on-site heating only; USTs or ASTs <30K gals
N. Fuel oil: distribution; or on-site heating - ASTs > 30K gals
O. New & lube oil
P. Generic Gasoline - grade unknown
Q. Pesticide
R. Ammonia compound
S. Chlorine compound
T. Hazardous substance (CERCLA)
U. Mineral acid
V. Grades 5 & 6, bunker 'C' residual oils
W. Petroleum-base additive product
X. Miscellaneous petroleum-base product
Y. Unknown Substance
Z. Other Substance: please identify

***** Mineral Acid = Hydrobromic acid, Hydrochloric acid, Hydrofluoric acid, Phosphoric acid, Sulfuric acid.
* M = fuel is used solely to heat the facility premises and must be stored in a tank with capacity < 30,000 gallons; exempt from regulation.
* N = fuel is distributed as heating fuel, or fuel is used solely to heat the facility premises , but the storage tank capacity exceeds 30,000 gallons.

**** Compartmented tanks –** register as a single tank; itemize the size and contents of each compartment.

**** Manifold tanks –** register as individual storage tanks; with individual size and content – even though they are "connected".

7. Status - Record the current status of the system, & the status effective date (or best estimate) in 'MM/YY' format. Update the tank status timely, as necessary for tanks moving between "in service" and "out of service" status.

A. Properly closed in place * UST filled with sand, concrete or other inert material; AST rendered unusable.
B. Removed from the site *
***A or B:** UST Closure Assessment required after 12/10/90; AST Closure Assessment required after 3/12/91 - refer to 62-761.800, F.A.C.
E. Construction modified - AST constructed as a "mobile tank" or enclosed in a building; no longer retains a "regulated" status.
F. Unmaintained tank - UST/AST not in use, not properly closed, not to be returned to service (tank must be properly closed within 90 days).
T. Out-of-service tank - UST/AST locked and monitored (10 yr limit for USTs with secondary containment; 2 yr limit for corrosion-protected USTs; 1 yr limit for unprotected USTs; 5 yr limit for ASTs).
U. In-service - UST/AST may be empty for up to 45 days for routine services/maintenance only.
V. Temporary out of service - special designation for field-erected ASTs, greater than or equal to 50,000 gallon capacity; may be empty for up to 180 days for routine services/maintenance only.
Z. Non-regulated product stored in tank; provide status effective date when status relates to a 'change in product' for a particular storage tank.

8. Construction, Piping, and Monitoring Attributes – please select from the lists below, the codes that best describe the attributes of each storage tank system. ** When *"Z. Other DEP Approved"* is selected; please specify the EQ #. **

CONSTRUCTION

Primary Construction:
C. Steel
D. Unknown
E. Fiberglass
F. Fiberglass-clad steel
X. Concrete
Y. Polyethylene
Z. Other DEP approved tank material

Overfill/Spill:
A. Ball check valve
M. Spill containment bucket
N. Flow shut-off
O. Tight fill
P. Level gauges, high-level alarms
Q. Other DEP approved protection method

Corrosion Protection:
G. Cathodic protection - sacrificial anode
H. Cathodic protection - impressed current

Secondary Containment:
I. Double wall construction: single material (outer tank material same as inner tank material)
R. Double wall construction: dual material (outer tank - concrete, approved synthetic material, or tank "jacket")
J. Synthetic liner in tank excavation
K. Concrete, synthetic material, and/or offsite clays beneath AST and in containment area
S. Other DEP approved secondary containment system
V. Pipeless UST with secondary containment

CONSTRUCTION - continued

Miscellaneous attributes:
B. Internal lining
L. Compartmented
U. Field erected tank

PIPING

Primary Construction:
B. Steel or galvanized metal
C. Fiberglass
N. Approved synthetic material
Y. Unknown
Z. Other DEP approved piping material

Corrosion Protection:
D. External protective coating
E. Cathodically protected with sacrificial anode or impressed current

Secondary Containment:
F. Double wall construction: single material (outer pipe material same as inner pipe material)
M. Double wall construction: dual material (outer pipe - approved synthetic material or pipe "jacket")
G. Synthetic liner or box/trench liner in piping excavation or pipe containment area
P. Internal Piping: contained within an internal sump riser, directly connected to tank & located beneath dispenser

Miscellaneous attributes:
A. Aboveground, no contact with soil
I. Suction piping system
J. Pressurized piping system
K. Dispenser liners
L. Bulk product system
H. Airport/seaport hydrant system

MONITORING

External:
A. Site Suitability Plan
B. Site Suitability Plan Exemption
C. Groundwater Monitoring Plan
D. SPCC Plan
E. Interstitial monitoring of UST synthetic liners
N. Groundwater monitoring wells
O. Vapor monitoring wells
P. Vapor monitoring with dilution procedures
Q. Visual inspection of AST systems
W. Fiber-optic technologies
Z. Other DEP approved monitoring method

Internal:
F. Interstitial space - double wall tank
L. Automatic tank gauging system (USTs)
M. Manual tank gauging system (USTs)
R. Interstitial monitoring of AST tank bottom
S. Statistical Inventory Reconciliation (SIR) (USTs)
T. Annual tightness test with inventory (USTs)

Piping monitoring:
G. Electronic line leak detector with flow shutoff
H. Mechanical line leak detector
J. Interstitial monitoring - piping liner
K. Interstitial monitoring - double wall piping
U. Bulk product piping pressure test
V. Suction pump check valve
6. External monitoring

Miscellaneous:
I. Not required - see rule for exemptions
X. None
Y. Unknown
1. Continuous electronic sensing equipment
2. Visual inspections of piping sumps
3. Electronic monitoring of piping sumps
4. Visual inspections of dispenser liners
5. Electronic monitoring of dispenser liners

IV. Certified Contractor & Certification

Record the name and the ***Department of Business and Professional Regulation License Number*** for the ***Certified Contractor*** whenever an underground storage tank has been installed, removed, or closed in place. Do not rely on the contractor to file this form. Storage Tank Registration Forms are required to be submitted by the storage tank system owner or operator.

Please Remember that the Registration Form cannot be processed without the name and signature of the storage tank system owner or operator, and the date of the form submittal. Please print your name legibly in case a representative of the storage tank program should need to contact you.

If you have questions, please call a storage tank registration representative at (850) 245-8839 for assistance.

Groundwater & Environmental Services, Inc.

6500 Northwest 12th Avenue • Suite 109 • Ft. Lauderdale, Florida 33309 • (866) 565-7650 • Fax (866) 334-9883

January 28, 2008

Mr. David C. Gibson
Palm Beach County
Department of Environmental Resources Management
2300 N. Jog Road 4th Floor
West Palm Beach, Florida 33411

DUPLICATE

Re: Monitoring Well Abandonment Report
1320 W. Lantana Road
Lantana, Florida
FDEP No. 50-8514282 / FDEP Work Order No. 2008-50-W62448

Dear Mr. Gibson:

On January 11, 2008, well abandonment activities were conducted at the subject site. Monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-8, MW-9R, and CW-5 were abandoned by Earth Tech Drilling (FL License #11022) under the supervision of GES personnel. The wells were abandoned by pouring a mixture of No. 1 Portland cement and 5% bentonite within the monitoring well annulus via the tremmie method in accordance with the South Florida Water Management District (SFWMD) well abandonment criteria. Please note that Shell Oil Products, U.S., directed GES, Inc., to maintain monitoring wells MW-6, MW-7, and MW-14 for their internal monitoring program.

A figure illustrating the former, and current, well locations and the Well Completion Report (for well abandonments) are included as attachments.

Should you have any questions or require additional information, please contact me at (866) 565-7650 ext. 3291.

RECEIVED
FEB - 6 2008
ENVIRONMENTAL RESOURCE MGMT.

Sincerely,

Groundwater & Environmental Services, Inc.

KT Anderson
Environmental Scientist

cc: Annette Dokken, Shell Oil Products US

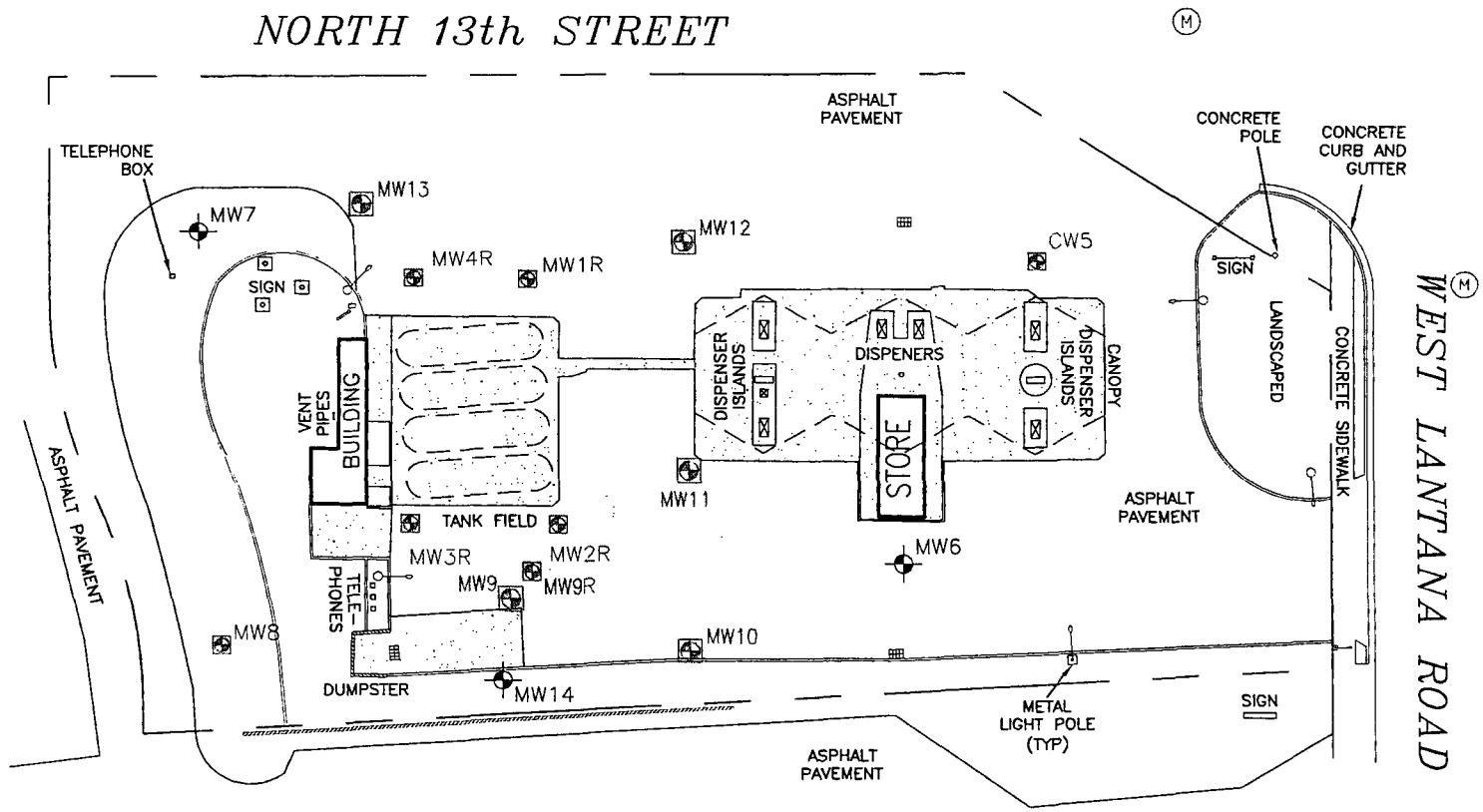
Attachments:
Figure: Site Map
Well Completion Report (for well abandonments)

Monitoring Well Abandonment Report – January 28, 2008
Shell Station #136581
1320 W. Lantana Road, Lantana, FL
FDEP No. 50-8514282 / FDEP Work Order No. 2008-50-W62448

P.G. CERTIFICATION

I , Jack G. Wells, P.G.# 793, certify that I currently hold an active license in the State of Florida and am competent through education or experience to provide the geologic service contained in this report. I further certify that in my professional judgment this Well Abandonment Report meets the requirements of Section 62-770, and was prepared by me or under my responsible charge. Moreover, I certify that GES, Inc., holds an active certificate of authorization # GB452 to provide the geologic service."

Reviewed By: Jack Wells, P.G. Date
License No. 793



LEGEND

- CONCRETE AREA
- ASPHALT AREA
- UTILITY MANHOLE
- CATCH BASIN
- MONITORING WELL
- ABANDONED MONITORING WELL

DRAFTED BY: E.M.E. (N.J.)	SITE MAP
UPDATED BY: KWD (Fort Lauderdale, FL)	SHELL OIL PRODUCTS, US SHELL STATION #136581 1320 WEST LANTANA ROAD LANTANA, FLORIDA
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 6500 N W 12th AVENUE, SUITE 109, FORT LAUDERDALE, FLORIDA
SCALE IN FEET: 0 — 40	DATE:
	FIGURE: 1

IMAGE QUALITY

AS YOU REVIEW THE NEXT GROUP OF IMAGES, PLEASE NOTE THAT THE ORIGINAL DOCUMENTS WERE OF POOR QUALITY.

WELL COMPLETION REPORT

FORM 0124
Rev. 11/90

WELL PERMIT NO. 38-2008
SFWMD WATER USE PERMIT NO. _____

Shell	1320 W. Lantana Rd	Lantana	Fl	33462
Owner	Address	City	State	Zip

michael ortando	11225	1/11/08			
Contractor's Signature	License No.	Completion Date	Casing Depth	Total Depth	Well #

TYPE OF WORK: Construct ( ) Repair ( ) Abandon (√)
WELL USE: Domestic Well ( ) Public ( ) Monitor ( ) Test ( )
Irrigation ( ) FireWell ( ) Other _____
METHOD: Rotary with MUD ( ) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ), Other _____
STATIC WATER LEVEL _____ Ft. below top of casing
PUMPING WATER LEVEL _____ Ft, after _____ Hrs at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

RECEIVED
JAN 17 2008

LOCATION

Located Near _____

County Palm Beach

3 44 43
1/4 1/4 Section Township Range

SW 64 Latitude-Longitude

Cuttings sent to District? ( ) Yes
769 ( ) No

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JAN 17 2008

LOCATE IN SECTION

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Grout	Casing & Screen		Depth (ft)		DRILL CUTTINGS LOG *Examine cuttings every 20 ft. or at formation changes* Give color, grain size, and type of material Note cavities, depth to producing zones.
Thickness & Depth	Diameter & Depth		From	To	
					MW 1r 2"-16'
					MW 2r 2"- 16'
					MW 3r 2"- 15'
					MW 4r 2"- 26'
					MW 8 2"- 26'
					MW 9r 2"- 9'
					CW-5 4"-17'
Number of bags					

MW's Abandonment

Casing: Black Steel ( ) Galv. ( ) PVC (√) Fiberglass ( )
Screen: Type _____ Slot size _____
Screened from _____ (ft.) to _____ (ft.)
Type of grout with % additives portland
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☐ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 38 - 2008

Florida Unique I.D.

Permit Stipulations Required (See attached)

CUP/ WUP Application No.

APPLICANT USE ONLY

1. MOTIVA ENTERPRISES 1100 LOUSIANA HUSTON TX
Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number

1320 W LANTANA RD
Well-Location – Address, Road Name or Number, City — OSTDS #

3. MICHAEL ORLANDO 11225 954-974-2424
Well Drilling Contractor — License No. — Telephone No.

19261 REDBERRY CT
Address

A ¼ of ¼ of (smallest) (biggest) Section 3 (Indicate Well on Chart)

NW NE SW SE

BOCA RATON FL
City — State — Zip

5. Township 44 Range 43

6. palm beach
County — Subdivision Name — Lot — Block — Unit

7. Number of proposed wells ____ Check the use of well: (See back of permit for additional choices) False Domestic ____
Monitor (type) True

False (See Back) Irrigation (type) Public Water Supply (type) False (See Back) List Other

Distance from septic system ft. ____ Description of facility RESIDENCE Estimated start of construction date

8. Application for: True New Construction ____ False Repair/Modify False Abandonment
(Reason for Abandonment)

Date Stamp

9. Estimated: Well Depth 15 Casing Depth 5 Screen Interval from 15 to 5
Casing Material PVC Casing Diameter 2 Seal Material PORTLAND
Blk-Steel / Galvanized / PVC

10. If applicable: Proposed Grouting Interval From ____ to ____ Seal Material ____
From ____ to ____ Seal Material ____
From ____ to ____ Seal Material ____

Draw a map of well location and indicate well site with an "X", identify known roads and landmarks; provide distances between well and landmarks.

North

11. Telescope Casing ____ or Liner ____ (check one) Diameter ____
Blk-Steel / Galvanized / PVC Other (specify)

12. Method of Construction: False Rotary False Cable Tool False Combination
True Auger ____ Other (specify) ____

13. Indicate total No. of wells on site ____ List number of unused wells on site ____

14. *Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application?* False
(If yes, complete the following) CUP/WUP No.
District well I.D. No
Latitude : Longitude :
Data obtained from GPS ____ or map ____ or survey ____ *(map datum NAD 27 ____ NAD 83 ____)*

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

MICHAEL ORLANDO 11225
Signature of Contractor — Licensed No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities stated above. Owner consents to personnel from the WMD or a representative access to the well site.

Owner's or Agent's Signature — Date

FOR DISTRICT USE ONLY

Approval Granted By: ORLANDO Issue Date 1/24/08 Hydrologist Approval ____ Initials

Owner Number: ____ Fee Received $ 100 Receipt No.: 39981 Check No.: ____

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. *This permit is valid for 90 days from date of issue.*

Comments: ;

Florida Department of Environmental Protection
Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

DEP Form # 62-761.900(2)
Form Title Storage Tank Registration Form
Effective Date July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[ ] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[ ] Tank Info Update/Correction

A. FACILITY INFORMATION

County: Palm Beach	**DEP Facility ID:**	8514282

Facility Name: SHELL-FIRST COAST ENERGY #1717
Facility Address: 1320 Lantana Rd City: Lantana Zip: 33462 1519
Facility Contact: _____ Business Phone: _____
Facility Type(s): A NAICS Code: _____ Financial Responsibility: INSURANCE

24 Hour Emergency Contact: _____ **Emergency Phone:** _____

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. **Provide additional information in an attachment if necessary.**

Name:	FIRST COAST ENERGY LLP	Facility - Responsible Person Relation Type:	Effective Date
Mail address:	7014 A C SKINNER PKWY STE 290 ATTN: STORAGE TANK REC	**[√] Facility Account Owner (pays fees)**	
City, ST, Zip:	JACKSONVILLE, FL 32256 6940	Facility Account Owner information must be provided when the facility contains active or out of service storage tanks on site.	
Contact:	ENVIRONMENTAL DEPARTMENT		
Telephone:	(904) 596-3200	**STCM Account Number (if known)**	45875
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [ ] Property Owner [ ] Storage Tank Owner			

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date		Construction	Piping	Monitoring

Certified Contractor (peforming tank installation or removal): _____ DBPR License No.: _____

Registration Certification: **To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.**

Kevin Kusmirek _____ 05/01/2017
Printed Name & Title **Signature** **Date**

Northwest District
160 Governmental Center Blvd.
Pensacola, FL 32501
850-595-8360

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256
904-448-4300

Central District
3319 Maguire Blvd., Suite 232
Orlando, FL 32803
407-894-7555

Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619
813-744-6100

Southeast District
400 North Congress Ave., Suite 364
W Palm Beach, FL 33416
561-681-6600

South District
2295 Victoria Ave., Suite 364
Fort Myers, FL 33901
941-332-6975

Marathon Branch Office
2796 Overseas Hwy., Suite 221
Marathon, FL 33050
305-289-2310

Other Additional Details

Insurance Information

Insurance Carrier:	CRUM & FORSTER SPECIALTY INS. CO.
Policy Number:	
Policy Effective Date:	
Policy Expiration Date:	

Property Owner

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940
Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Tank Owner

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940
Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Facility Owner

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940

Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Tank Operator

Company Name:	FIRST COAST ENERGY LLP
Name:	ENVIRONMENTAL DEPARTMENT
Address Line 1:	7014 A C Skinner Pkwy
Address Line 2:	ATTN: STORAGE TANK REGISTRATION Ste 290
City/State/Zip Code:	Jacksonville, FL 32256 6940
Phone Number:	(904) 596-3200
Extension:	
Cell Number:	
Fax Number:	
E-mail Address:	LICENSING@FIRSTCOASTENERGY.COM

Tank/Vessel Information

Tank ID:	1
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	10000
Installed:	12/01/1982
Content:	B
Status:	B
Status Effective Date:	08/01/2005
Construction:	A, E, M, N
Piping:	C, J, K
Monitoring:	G, L

Tank ID:	1R1
T/V:	TANK
A/U:	UNDERGROUND
Capacity:	15000
Installed:	10/01/2005
Content:	B
Status:	B
Status Effective Date:	10/28/2016
Construction:	E, I, M, N

Piping: C, F, J, K
Monitoring: 1, 3, 4, F, K

Tank ID: 2
T/V: TANK
A/U: UNDERGROUND
Capacity: 10000
Installed: 12/01/1982
Content: B
Status: B
Status Effective Date: 08/01/2005
Construction: A, E, M, N
Piping: C, J, K
Monitoring: G, L

Tank ID: 2R1
T/V: TANK
A/U: UNDERGROUND
Capacity: 15000
Installed: 10/01/2005
Content: B
Status: B
Status Effective Date: 10/28/2016
Construction: E, I, M, N
Piping: C, F, J, K
Monitoring: 1, 3, 4, F, K

Tank ID: 3
T/V: TANK
A/U: UNDERGROUND
Capacity: 10000
Installed: 12/01/1982
Content: B
Status: B
Status Effective Date: 08/01/2005
Construction: A, E, M, N
Piping: C, J, K
Monitoring: G, L

Tank ID: 3R1
T/V: TANK
A/U: UNDERGROUND

Capacity: 10000
Installed: 10/01/2005
Content: D
Status: B
Status Effective Date: 10/28/2016
Construction: E, I, M, N
Piping: C, F, J, K
Monitoring: 1, 3, 4, F, K

Tank ID: 4
T/V: TANK
A/U: UNDERGROUND
Capacity: 10000
Installed: 12/01/1982
Content: D
Status: B
Status Effective Date: 08/01/2005
Construction: A, E, M, N
Piping: C, J, K
Monitoring: G, L

Tank ID: 5
T/V: TANK
A/U: UNDERGROUND
Capacity: 20000
Installed: 12/14/2016
Content: B
Status: U
Status Effective Date: 05/03/2017
Construction: C, M, N, I, L
Piping: C, F, K, J
Monitoring: F, R, L, S, M, H, 2, 3, 4, 1

Tank ID: 6
T/V: TANK
A/U: UNDERGROUND
Capacity: 22000
Installed: 12/14/2016
Content: B
Status: U
Status Effective Date: 05/03/2017
Construction: C, M, N, I, L
Piping: C, F, K, J

Monitoring: F, R, L, S, M, H, 2, 3, 4, 1

Florida Department of Environmental Protection

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Division of Waste Management - Storage Tank Facility Registration Form
Registration Instructions and Codes List

The Department of Environmental Protection Storage Tank Program registers the facilities and the storage tanks when aboveground or underground storage tanks store pollutants, hazardous substances, and/or mineral acid substances regulated by Chapter 62-761, Florida Administrative Code, or when aboveground storage tanks or compression vessels store a hazardous substance which requires registration according to Chapter 376, Florida Statutes.

Storage Tank Facility Registration Form
In the first section block, identify the types of information being submitted on the registration form.
Check ***New Registration*** when the **location** is being registered for the first time and no Facility Identification number exists.
If submitting a revised Registration form, check all other boxes that apply to designate the type(s) of revisions being submitted.

I. Facility Information - Properly describe the geographical location where the storage tank facility is located.

Facility ID Include the DEP Facility Identification number whenever possible. Write in "Pending" when submitting a new registration for the first time. Remember: the facility ID number identifies the location, and is transferred to a new owner upon sale of the facility.

Facility Name Provide the current name of the business establishment operating at the facility location. When registering an abandoned facility, where tanks exist *unmaintained*, identify the location with the property owner's name, as in "Smith Property", if no other facility name is being used.

Facility Address Include the county name, and the proper street number and name. Give directions when the facility is located in a rural area with no Rural Route number associated with it (i.e., 'x' miles N of intersection...). Provide the name and telephone number of a contact person or manager *on location*, where possible.

Facility Type This information is an explanation or term that most closely describes the operational use of the facility. Select the code(s) that provides the best or most appropriate description of the facility.

1. If the facility is owned by a government entity, select the appropriate type from the following:

F. Federal Government
G. State Government
H. Local or City Government
I. County Government
N. Indian Land

2. If the facility meets the definition of "bulk product facility" - "a waterfront location with at least one aboveground tank with a capacity greater than 30,000 gallons which is used for the storage of pollutants" ("Pollutants" includes oil of any kind and in any form, gasoline, pesticides, ammonia, chlorine, and derivatives thereof, excluding liquefied petroleum gas."); select the type from:

T. Coastal bulk product facility - facility, as defined above and located on the Florida coast, may have storage tank systems that store hazardous substances in addition to pollutants. ("Coastline means the line of mean low water along the portion of the coast that is in direct contact with the open sea and the line marking the seaward limit of inland waters, as determined under the Convention on Territorial Seas and the Contiguous Zone, 15 U.S.T. (Pt. 2) 1606.").

S. Inland Waterfront bulk product facility - facility, as defined above and located on "inland waterways" (lakes, rivers), may have storage tank systems that store hazardous substances in addition to pollutants.

3. When the facility is a "waterfront location", but not a *bulk product facility* as defined above, select the most appropriate type from:

V. Marine fueling facility - a commercial, recreational, or retail coastal facility that provides fuel to vessels and may store other pollutants and/or hazardous substances on site.

W. Waterfront fueling facility - a commercial, recreational, or retail facility located on a non-coastal waterway that provides fuel to vessels and may store other pollutants and/or hazardous substances on site.

Facility Type continued

4. When the facility is not described as above, select the most appropriate type from:

A. Retail Station - primarily supplies vehicular fuel to automotive customers; may store other regulated substances.
C. Fuel User, Non-retail - primarily stores vehicular fuel and/or other pollutants or hazardous substances for consumption by facility/owner/operator.
D. Inland Bulk Petroleum Storage - inland facility with no waterfront access, that has multiple active UST and/or AST storage systems used primarily for storage of pollutants intended for distribution. May also store hazardous substances on-site for facility consumption and/or distribution purposes.
E. Industrial Plant - inland facility with no waterfront access; may include power plants and facilities designed for manufacturing and/or chemical processing; may have multiple active UST and/or AST storage systems used for storage of pollutants and/or hazardous substances intended for facility consumption.
J. Collection Station - maintenance or other related facility that acquires and temporarily stores used and/or waste oil prior to recycling and/or disposal.
K. Inland Bulk Chemical Storage - inland facility with no waterfront access, that has multiple active UST and/or AST storage systems and/or compression vessels used for storage of hazardous substances intended for distribution. May also store pollutants on site for facility consumption and/or distribution purposes.
L. Chemical User - facility primarily uses regulated hazardous substance tanks on site; may also store pollutants.
M. Agricultural - facility actively used in production of crops, plants, or livestock.
B. Residential (not regulated) - property used primarily for dwelling purposes; regulated substance used for non-commercial purposes; no UST exists > 1100 gallons.
P. UST Residential (>1100 gallons) - residence with USTs regulated by Federal Environmental Protection Agency.
Z. Other - Please identify the type of establishment that you are registering.

North American Industry Classification System (NAICS), developed jointly by the United States, Canada, and Mexico, has replaced the U.S. Standard Industrial Classification Code (SIC) system, effective January, 1997. The new system identifies new industry categories and re-organizes the current data more consistently. More information on this subject can be obtained from: National Technical Information Services, 5285 Port Royal Road, Springfield, Virginia 22161; (800) 553-6847. See also U. S. Department of Commerce Web Sites: **http://ntis.gov** and **http://www.census.gov/epcd/www/naics.html.** When possible – please select the most appropriate code for your facility.

Financial Responsibility – The demonstration of financial responsibility shall be made by the owner or operator in accordance with C.F.R. Title 40, Part 280, Subpart H. Write in your selection of the following:

1. **None**
2. **Insurance Carrier**
3. **Other Mechanism** (includes all other financial responsibility methods meeting requirements of C.F.R. Title 40)

24 Hour Emergency Contact - Provide the name & telephone number of the Emergency Contact for this facility.

II. Responsible Party Information

1. In the first block, provide the name, address, contact name, and telephone number of the individual(s) and/or business(es) that are responsible for the operation of the storage tank facility and for the payment of DEP annual Storage Tank Registration fees. Identify the appropriate facility relationships for this party: Facility Owner/Operator, Tank Owner, and/or Property Owner. The first named party will also be associated with the role of Facility Account Owner. The Account Owner is responsible for payment of the annual storage tank registration fees, and will receive the annual storage tank registration placard(s) upon payment.

2. Identify additional individuals and/or companies that play a role in the ownership or operation of the facility, as necessary.

3. When submitting revisions to owner name or address information, please include their STCM Account Number, when available.

4. Submit a registration form when the facility or tank ownership changes, complete with the **date & new owner's signature.**

III. Tank/Compression Vessel Information - Complete one row in Section C for each storage tank and/or compression vessel system located at the facility. Use the following system description codes where appropriate.

1. Tank ID - number systems sequentially, or provide a unique identification number; do not use symbols (#, %, -, etc.).
2. Tank or Vessel Indicator - write in T or V to describe the system type.
3. Tank Placement - Write in A or U to designate aboveground or underground placement of the system.
4. Tank Capacity - Write in the storage tank capacity in gallons.
5. Installation Date - Record the date of first installation in 'MM/YY' format; provide a best estimate if unknown.

6. Tank Content - Record the current content (or last content, if system is closed or not in use) from the list below.

A. Leaded gasoline
B. Unleaded gasoline
C. Gasohol
D. Vehicular diesel
E. Aviation gasoline
F. Jet diesel fuel
G. Diesel fuel - emergency generator
H. Diesel fuel - generator or pump
K. Kerosene
L. Waste oil / Used oil
M. Fuel oil: on-site heating only; USTs or ASTs <30K gals
N. Fuel oil: distribution; or on-site heating - ASTs > 30K gals
O. New & lube oil
P. Generic Gasoline - grade unknown
Q. Pesticide
R. Ammonia compound
S. Chlorine compound
T. Hazardous substance (CERCLA)
U. Mineral acid
V. Grades 5 & 6, bunker 'C' residual oils
W. Petroleum-base additive product
X. Miscellaneous petroleum-base product
Y. Unknown Substance
Z. Other Substance: please identify

***** Mineral Acid = Hydrobromic acid, Hydrochloric acid, Hydrofluoric acid, Phosphoric acid, Sulfuric acid.
* M = fuel is used solely to heat the facility premises and must be stored in a tank with capacity < 30,000 gallons; exempt from regulation.
* N = fuel is distributed as heating fuel, or fuel is used solely to heat the facility premises , but the storage tank capacity exceeds 30,000 gallons.

**** Compartmented tanks –** register as a single tank; itemize the size and contents of each compartment.

**** Manifold tanks –** register as individual storage tanks; with individual size and content – even though they are "connected".

7. Status - Record the current status of the system, & the status effective date (or best estimate) in 'MM/YY' format. Update the tank status timely, as necessary for tanks moving between "in service" and "out of service" status.

A. Properly closed in place * UST filled with sand, concrete or other inert material; AST rendered unusable.
B. Removed from the site *
***A or B:** UST Closure Assessment required after 12/10/90; AST Closure Assessment required after 3/12/91 - refer to 62-761.800, F.A.C.
E. Construction modified - AST constructed as a "mobile tank" or enclosed in a building; no longer retains a "regulated" status.
F. Unmaintained tank - UST/AST not in use, not properly closed, not to be returned to service (tank must be properly closed within 90 days).
T. Out-of-service tank - UST/AST locked and monitored (10 yr limit for USTs with secondary containment; 2 yr limit for corrosion-protected USTs; 1 yr limit for unprotected USTs; 5 yr limit for ASTs).
U. In-service - UST/AST may be empty for up to 45 days for routine services/maintenance only.
V. Temporary out of service - special designation for field-erected ASTs, greater than or equal to 50,000 gallon capacity; may be empty for up to 180 days for routine services/maintenance only.
Z. Non-regulated product stored in tank; provide status effective date when status relates to a 'change in product' for a particular storage tank.

8. Construction, Piping, and Monitoring Attributes – please select from the lists below, the codes that best describe the attributes of each storage tank system. ** When *"Z. Other DEP Approved"* is selected; please specify the EQ #. **

CONSTRUCTION

Primary Construction:
C. Steel
D. Unknown
E. Fiberglass
F. Fiberglass-clad steel
X. Concrete
Y. Polyethylene
Z. Other DEP approved tank material

Overfill/Spill:
A. Ball check valve
M. Spill containment bucket
N. Flow shut-off
O. Tight fill
P. Level gauges, high-level alarms
Q. Other DEP approved protection method

Corrosion Protection:
G. Cathodic protection - sacrificial anode
H. Cathodic protection - impressed current

Secondary Containment:
I. Double wall construction: single material (outer tank material same as inner tank material)
R. Double wall construction: dual material (outer tank - concrete, approved synthetic material, or tank "jacket")
J. Synthetic liner in tank excavation
K. Concrete, synthetic material, and/or offsite clays beneath AST and in containment area
S. Other DEP approved secondary containment system
V. Pipeless UST with secondary containment

CONSTRUCTION - continued

Miscellaneous attributes:
B. Internal lining
L. Compartmented
U. Field erected tank

PIPING

Primary Construction:
B. Steel or galvanized metal
C. Fiberglass
N. Approved synthetic material
Y. Unknown
Z. Other DEP approved piping material

Corrosion Protection:
D. External protective coating
E. Cathodically protected with sacrificial anode or impressed current

Secondary Containment:
F. Double wall construction: single material (outer pipe material same as inner pipe material)
M. Double wall construction: dual material (outer pipe - approved synthetic material or pipe "jacket")
G. Synthetic liner or box/trench liner in piping excavation or pipe containment area
P. Internal Piping: contained within an internal sump riser, directly connected to tank & located beneath dispenser

Miscellaneous attributes:
A. Aboveground, no contact with soil
I. Suction piping system
J. Pressurized piping system
K. Dispenser liners
L. Bulk product system
H. Airport/seaport hydrant system

MONITORING

External:
A. Site Suitability Plan
B. Site Suitability Plan Exemption
C. Groundwater Monitoring Plan
D. SPCC Plan
E. Interstitial monitoring of UST synthetic liners
N. Groundwater monitoring wells
O. Vapor monitoring wells
P. Vapor monitoring with dilution procedures
Q. Visual inspection of AST systems
W. Fiber-optic technologies
Z. Other DEP approved monitoring method

Internal:
F. Interstitial space - double wall tank
L. Automatic tank gauging system (USTs)
M. Manual tank gauging system (USTs)
R. Interstitial monitoring of AST tank bottom
S. Statistical Inventory Reconciliation (SIR) (USTs)
T. Annual tightness test with inventory (USTs)

Piping monitoring:
G. Electronic line leak detector with flow shutoff
H. Mechanical line leak detector
J. Interstitial monitoring - piping liner
K. Interstitial monitoring - double wall piping
U. Bulk product piping pressure test
V. Suction pump check valve
6. External monitoring

Miscellaneous:
I. Not required - see rule for exemptions
X. None
Y. Unknown
1. Continuous electronic sensing equipment
2. Visual inspections of piping sumps
3. Electronic monitoring of piping sumps
4. Visual inspections of dispenser liners
5. Electronic monitoring of dispenser liners

IV. Certified Contractor & Certification

Record the name and the ***Department of Business and Professional Regulation License Number*** for the ***Certified Contractor*** whenever an underground storage tank has been installed, removed, or closed in place. Do not rely on the contractor to file this form. Storage Tank Registration Forms are required to be submitted by the storage tank system owner or operator.

Please Remember that the Registration Form cannot be processed without the name and signature of the storage tank system owner or operator, and the date of the form submittal. Please print your name legibly in case a representative of the storage tank program should need to contact you.

If you have questions, please call a storage tank registration representative at (850) 245-8839 for assistance.

Site #8
Solid Waste Authority of PBC Central County Transfer Station (65564)
1810 Lantana Road

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(?)
Form Title Discharge Reporting Form
Effective Date December 10, 1990
DER Application No.

Discharge Reporting Form

PCT006 FILE REVISED

RECEIVED D.E.R.

COPY

Use this form to notify the Department of Environmental Regulation of:

1. Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test result.
2. Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.C. within one working day of discovery.
3. Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities established in 17-761.460(2) F.A.C., within one working day of the discovery.
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated substances or pollutants discovered in the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring results from a leak detection method or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gauging results for tanks of 550 gallons or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive weekly tests.

Mail to the DER District Office in your area listed on the reverse side of this form

PLEASE PRINT OR TYPE

Complete all applicable blanks

1. DER Facility ID Number: 508942739 2. Tank Number: N/A 3. Date: 5/3/94
4. Facility Name: Solid Waste Authority - Lantana Transfer Facility
   Facility Owner or Operator: SWA
   Facility Address: 1810 Lantana Road, Lantana, Fl
   Telephone Number: (407) 996-6746 c/o Sugar Supply County: Palm Beach
   Mailing Address: c/o Sugar Supply P.O. Box 1360, Belle Glade, Fl 33430
5. Date of receipt of test results or discovery: 5/2/94 month/day/year
6. Method of initial discovery. (circle one only)
   A. Liquid detector (automatic or manual) D. Emptying and Inspection. F. Vapor or visible signs of a discharge in the vicinity
   B. Vapor detector (automatic or manual) E. Inventory control. G. Closure: ______ (explain)
   C. Tightness test (underground tanks only). (H) Other: Unloading a truck
7. Estimated number of gallons discharged: 36
8. What part of storage system has leaked? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank (E) Unknown
   Spill while unloading
9. Type of regulated substance discharged. (circle one)
   A. leaded gasoline D. vehicular diesel L. used/waste oil V. hazardous substance includes pesticides, ammonia, chlorine and derivatives (write in name or Chemical Abstract Service CAS number) ______
   B. unleaded gasoline F. aviation gas (M) diesel
   C. gasohol G. jet fuel O. new/lube oil Z. other (write in name) ______
10. Cause of leak. (circle all that apply)
   A. Unknown C. Loose connection E. Puncture G. Spill ______ I. Other (specify) ______
   B. Split D. Corrosion F. Installation failure (H) Overfill
11. Type of financial responsibility. (circle one)
   (A) Third party insurance provided by the state insurance contractor C. Not applicable
   B. Self-insurance pursuant to Chapter 17-769.500 F.A.C. D. None
12. To the best of my knowledge and belief all information submitted on this form is true, accurate, and complete.

David Asoestas- Authorized representative for Federated Insurance
Printed Name of Owner, Operator or Authorized Representative

[signature]
Signature of Owner, Operator or Authorized Representative

FLORIDA PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM CHECKLIST

Date: 5/31/94 DEP Facility #: 508942739
Facility Name: Palm Beach County - Central Transfer
Facility Address: 1810 Lantana Rd
Lantana County: Palm Beach
Contact Person/Telephone: Jeanette Maddy (407) 640-4000
Latitude: 26° 35' 04" Longitude: 80° 03' 16"

For the items that may indicate non-compliance or gross negligence, please explain and provide supporting documentation.

YES	NO	UNKNOWN	I. Compliance with Chapter 376.3072. Florida Statutes and Rule 17-769, F.A.C.
☐	☒	☐	1. Was any contamination discovered prior to January 1,1989 in accordance with Rule 17-769.400(5), F.A.C.? If yes explain.
☐	☒	☐	2. Petroleum Liability and Restoration Insurance Program Affidavit form completed in accordance with Rule 17-769.400(2) (a), F.A.C.? If yes, give date notarized.
☐	☒		3. Is the site insured by the Florida Petroleum Liability Insurance Program Administrators Inc. (FPLIPA) in accordance with Rule 17-769.500(2), F.A.C.? If not, supply the carrier insured with, or other type of financial responsibility
☐	☒	☐	4. Restoration Insurance Coverage Notice of Eligibility issued in accordance with Rule 17-769.600(5), F.A.C.? If yes, give effective date.
☐	☒		5. Has site access ever been denied in accordance with Rule 17-769.600(10) (c), F.A.C.?
☒	☐		6. Has a Storage Tank Program compliance inspection ever been performed for this facility in accordance with Rule 17-761, or 17-762, F.A.C.? If yes , give the date of the most recent inspection and supply a copy. 5/3/94
☐	☒		7. Has the suspected petroleum storage system component responsible for the discharge been removed from service within 3 days of discovery in accordance with Rule 17-769.600(13)(a)1., F.A.C.? If no, explain. Discharge was a surface spill due to tank overfill by fuel supplier
☒	☐		8. Have steps to obtain cleanup services been initiated within 3 days of the discharge discovery in accordance with Rule 17-769.600(13)(a) 2., F.A.C.? If no, explain.

II. Information Required for Site Scoring And Ranking

☐	☒		9. Is there evidence of a contamination problem Chapter 376.3071, F.S.? If yes, explain in comment section.

If yes to 9, check one:

DEP Facility #: 508942739
Date: 5/31/94

☐ a. Two or more monitoring wells/boreholes show >2" free product

☐ b. Only 1 monitoring well shows >2" free product or monitoring wells show <2" free product or petroleum sheen.

☐ c. Monitoring wells are contaminated but contain no free product (vapors only).

☐ d. Soil contamination and /or recent product loss.

Check one:

10. Contamination Product type (Rule 17-771, F.A.C)

☐ a. Light petroleum (kerosene, gasoline, aviation fuel, ect.)

☒ b. Heavy petroleum (fuel oil, diesel or similar petroleum products)

☐ c. Unknown or other_____

Check those that apply:

11. Potable water (Rule 17-771, F.A.C.)

☒ a. Within 1/2 mile: Large wells >100,000 gpd
1. Indicate direction: Southeast
2. Estimate distance: 1/2 mile

☐ b. Within 1/4 mile: Small wells <100,000 gpd (includes private wells)
1. Indicate direction:_____
2. Estimate distance:_____

☐ c. Surface water body used as a public water system.

12. Indicate below proximity to population centers: (restaurant, shopping center, house, ect.)

☐ a. < 500 feet:. Indicate distance:_____

☐ b. > 500 feet: Estimated distance: 700 feet residential

Please indicate how the site scoring and ranking information was determined. by site visit, file review and well field mnp study

Comments: Discharge was caused by tank overfill by fuel supplier. Immediate actions were taken to contain and control discharged product. Consultant was on site within a few hours after discharge. Soils were excavated and screened to 10 ppm within 24 hours after discharge.

E. Pahowski
Compliance Inspector

5/31/94
Inspection Date

DEP District:_____ (or) Local Program: Palm Beach

D/F

COPY

MAY 24 ENTD

DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTANT STORAGE TANK SYSTEM
INSPECTION REPORT FORM - COVER PAGE

PRINTED: 05/03/94

CILITY ID #: 508942739 COUNTY: PALM BEACH
CILITY NAME: PALM BCH CNTY-CENTRAL TRANSFER
CILITY LOCATION: 1810 LANTANA RD, LANTANA
CILITY CONTACT: RICHARD STATOM PHONE: (407) 640-4000
NER: PALM BCH CNTY SOLID WASTE AUTH PHONE: (407) 640-4000
NER ADDRESS: 7501 N JOG RD % JIM TANNER, WEST PALM BEACH, FL, 33412-0000
NER CONTACT: JEANETTE MADEY OWNER CHANGE DATE: 01/10/89
TITUDE: 26-35-04 LONGITUDE: 80-03-16 ±300ft FAC TYPE: LOCAL, CITY GOVERNMENT
ST UST COMPLIANCE DATE: 05/19/93 LAST AST COMPLIANCE DATE: 00/00/00
NTAMINATION DATA AVAILABLE: NONE

F.R.

NK #	SIZE	CONTENT	INSTALL DATE	UNDER OR ABOVE	TANK TYPE	INTEGRAL PIPING	MONITORING SYSTEM	TANK STAT
1	6000	D	01/88	U	EM	D	B	U
2	1000	G	01/88	U	EM	D	B	U

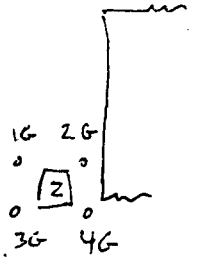
* 10+56 No record of or coverage for third party liability coverage.

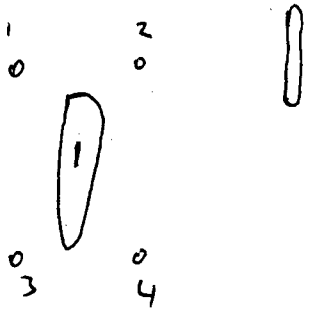
Monitor Wells

1 clear
2 clear
3 clear
4 clear
1G clear
2G clear
3G clear
4G clear

All MW's Vapor levels were ≤ 1 ppm above background with a PID (≈ 7.5 ppm total)

North





INSPECTION TYPE (CHOOSE ONE)
__ ROUTINE
__ INSTALL
__ ABANDONED
✓ DISCHARGE
__ CLOSURE
__ REINSPECT

SITE INFORMATION (ALL THAT APPLY)
__ NEAR PUB WELL
__ CONTAMINATED
__ COMPLAINT
__ ACID TANKS
__ REPAIRED
__ UPGRADED
__ UST & AST
__ HAZARD MAT

R DISTRICT OR LOCAL PROGRAM: PBC/ERM

SPECTOR NAME (PRINT) E. Palmowski
5/3/94
INSPECTOR'S SIGNATURE & DATE

CONTACT NAME (PRINT) Jeanette Madey
Jeanette Madey 5/13/94
CONTACT'S SIGNATURE & DATE

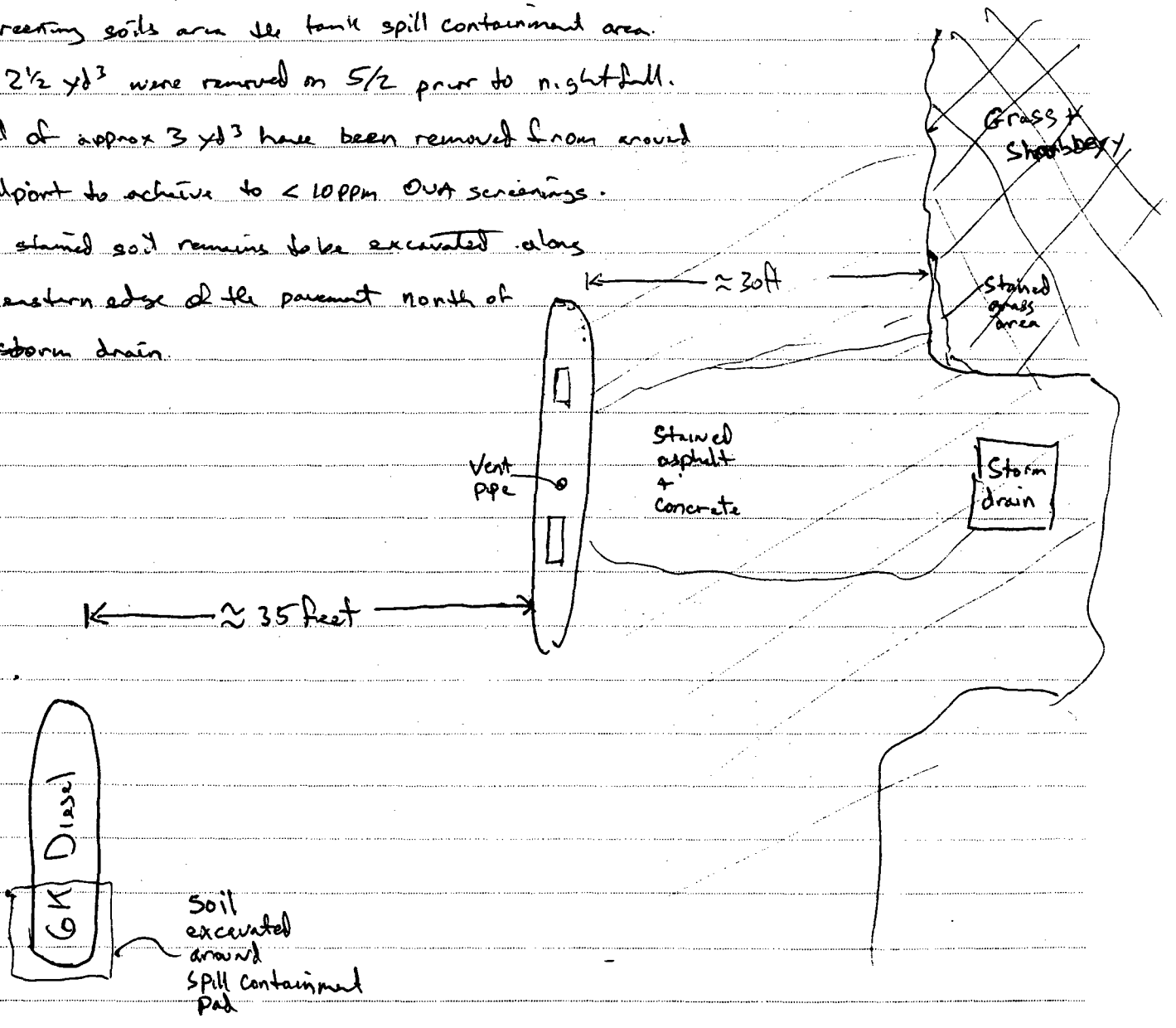
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTANT STORAGE TANK SYSTEM
INSPECTION REPORT FORM - COVER PAGE

PRINTED: 05/03/94

CILITY ID #: 508942739 COUNTY: PALM BEACH
CILITY NAME: PALM BCH CNTY-CENTRAL TRANSFER
CILITY LOCATION: 1810 LANTANA RD. LANTANA
CILITY CONTACT: RICHARD STATOM PHONE: (407) 640-4000

COMMENTS:

ECT was notified promptly after discharge occurred (5/2, pm). Surface spillage was absorbed and contained. The storm drain was pumped out. ECT started excavating and screening soils around the tank spill containment area. Approx 2½ yd³ were removed on 5/2 prior to nightfall. A total of approx 3 yd³ have been removed from around the fillpoint to achieve to < 10 ppm OVA screenings. Some stained soil remains to be excavated along the eastern edge of the pavement north of the storm drain.



Name: Palm Bch Cnty - Central
Facility I.D.#: 508942739
Date: 5/3/94

UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

			Yes	No	Unk	N/A
I.	REGISTRATION/NOTIFICATION: Comments:					
1.	Facility has registered all applicable tanks on site; 17-761.400	1.	✓			
2.	Current registration placard is properly displayed; 17-761.410(6)	2.	✓			
	Proper notification has been made for the following; 17-761.450:					
3.	Proper closure (30 days prior); (1) (a)	3.				✓
4.	Change of ownership (30 days after); (1) (b)	4.				✓
5.	Upgrading, replacement or installation (10 days prior); (1) (c)	5.				✓
6.	Change of tank status (in service/out of service), (within 30 days); (1) (d)	6.				✓
7.	Change of facility status (e.g. substances stored), (within 30 days); (1) (e)	7.				✓
8.	Change of method of financial responsibility (within 30 days); (3)	8.				✓
9.	Start of closure, upgrades or installation (24 hr. verbal or written); (4)	9.				✓
II.	RECORD KEEPING: Comments:					
10.	All records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710 (1)	10.		✓		
11.	Some but not all records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710 (1)	11.	✓			
III.	REPORTING/DISCHARGE RESPONSE/REPAIRS: Comments:					
	Proper reporting requirements been met for the following; 17-761.460:					
12.	Results of tightness test; (1)	12.				✓
13.	Any spill, overfill, or other discharge within one working day of discovery; (2)	13.	✓			
14.	Suspected releases within one working day of discovery; (3) (a), (b)	14.				✓
15.	Confirmed releases (positive response of a release detection device) within one working day of discovery; (3) (c)	15.				✓
	The owner or the operator of the system which has discharged has:					
16.	Taken it out-of-service; 17-761.700 (1), had it repaired or replaced; .700, or properly closed it; .820 (1)	16.	✓			
17.	Removed any regulated substances from the system; 17-761.820 (1)	17.				✓
18.	Tightness tested all repaired components before placing them back in service; 17-761.700 (6)	18.				✓
19.	Had repairs or replacements performed by a certified contractor; 489.105 (3)	19.	✓			
20.	Had tightness tests performed by registered tank tester; 17-761.200	20.				✓
21.	Begun initial corrective actions for a release; 17-761.820 (2)	21.	✓			
IV.	INVENTORY REQUIREMENTS: Comments:					
22.	All inventory requirements maintained in accordance with 17-761.720 (1)	22.	✓			
23.	Some, but not all inventory requirements maintained in accordance with 17-761.720 (1)	23.				✓
V.	PERFORMANCE STANDARDS/CATHODIC PROTECTION Comments:					
	Storage tank criteria; 17-761.500, .520 and .550:					
24.	Facility meets applicable storage tank standards; (1)	24.				✓
25.	Systems meet siting requirements; (4)	25.	✓			
26.	Tank(s) equipped with spill containment; (5) (b)	26.	✓			
27.	Tank(s) equipped with overfill protection; (5) (b)	27.		✓		
28.	Facility meets construction upgrading schedule; 17-761.510	28.				✓

Name: Palm Bch Cnty Central
Facility ID #: 508942739
Date: 5/3/94

UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

		Yes	No	Unk	N/A
V. PERFORMANCE STANDARDS/CATHODIC PROTECTION Continued					
Piping criteria; 17-761.500:					
29. New piping has secondary containment; (2)	29.				✓
30. Dispensers are upgraded with properly installed and maintained liners; (6)	30.				✓
31. Facility meets construction upgrading schedule; 17-761.510 (6)	31.				✓
Cathodic Protection/Certified Contractors /Tightness Testing					
32. Cathodic protection system provides continuous protection; 17-761.730 (1)-(4)	32.				✓
33. PSSSC conducted all storage tank repairs, installations or removals; 17-761.740 (1)-(9)	33.				✓
34. Test performed by a D.P.R.-registered tester; 17-761.740	34.				✓
VI. RELEASE DETECTION/MONITORING WELLS Comments:					
35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.600 (3)	35.				✓
36. All release detection systems meet general release standards; 17-761.600	36.	✓			
37. Release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (5)	37.	✓			
38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)	38.	✓			
39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)	39.				✓
An approved release detection system is provided for:					
40. Existing hazardous substance storage tanks; 17-761.560	40.				✓
41. Existing vehicular fuel storage tanks; 17-761.610	41.	✓			
42. Other existing regulated substance storage tanks; 17-761.620	42.				✓
43. Integral piping provided with secondary containment; 17-761.630	43.				✓
44. Integral piping without secondary containment; 17-761.640 (8)	44.	✓			
VII. OUT-OF-SERVICE STATUS Comments:					
45. Storage systems have been emptied of regulated substances; 17-761.200 (26)	45.				✓
Out-of-Service storage tank systems have; 17-761.800:					
46. Corrosion protection properly maintained; (1) (a) (1)	46.				✓
47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)	47.				✓
48. Vent lines open, ancillary equipment secured; (1) (b)	48.				✓
49. Been upgraded or replaced before returning to service; (1) (c)	49.				✓
50. Been tested tight before returning to service; (1) (c)	50.				✓
51. Been out-of-service for no more than two years; (1) (d)	51.				✓
52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)	52.				✓
53. Proper closure for an unmaintained tank; (2)	53.				✓
54. Had a closure assessment properly performed; (3)	54.				✓
VIII. VARIANCE Comments:					
55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850	55.				✓
IX. Other Comments:					
56. Any other violations noted during inspection (Explain in comments)	56.	✓			

INSPECTOR COPY

Florida Department of Environmental Protection

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

DEP Form # 17-761.900(2)
Form Title Storage Tank Registration Form
Effective Date July 13, 1998
DEP Application No. _____
(Filled in by DEP)

Storage Tank Facility Registration Form

DATA ENTERED JAN 25 '00 BY

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply			
	☐ New Registration	☐ New Owner	☐ New Tanks
	☐ Facility Info Update/Correction	☒ Owner Info Update/Correction	☑ Tank Info Update/Correction

A. FACILITY INFORMATION

County: Palm Beach | DEP Facility ID: 50 8942739

Facility Name: PALM BCH CNTY CENTRAL TRANSFER
Facility Address: 1810 LANTANA RD City: LANTANA Zip: 33462
Facility Contact: Steve Fitzsimmons Business Phone: _____
Facility Type(s): H NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ **Emergency Phone:** ( )

B. RESPONSIBLE PERSON INFORMATION

- Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility loctaion named above. **Provide additional information in an attachment if necessary.**

Name: PALM BEACH CNTY SOLID WASTE AUTH	Facility - Responsible Person Relation Type:	Effective Date:
Mail Address: 7501 N JOG RD % JIM TANNER	[√] **Facility Acount Owner (pays fees)**	
City, ST, Zip: WEST PALM BEACH, FL 33412	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: MARY BETH MIHALIK		
Telephone: (561) 640-4000	**STCM Account Number (if known)**	
Identify other appropratie facility relationships for this party: ☐ Facility Owner/Operator ☐ Property Owner ☐ Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date:
Mail Address:	☐ Facility Owner/Operator	
City, ST, Zip:	☐ Property Owner	
Contact:	☐ Storage Tank Owner	
Telephone:	☐ Other :	

RECEIVED JUN 25 2001 PETROLEUM REGULATION

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date		Construction	Piping	Monitoring
3										FQ
4									AI	FQ

Certified Contractor (performing tank installation or removal): _____ DBPR License No.: _____

Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

X MARY BETH MIHALIK, ENVIRONMENTAL COMPLIANCE COORDINATOR (Print Name & Title) X Mary Beth Mihalik (Signature) X 1/11/00 (Date)

DEP 62-761.900(2)

Northwest District
160 Governmental Center
Pensacola, FL 32501
850-595-8360

Northeast District
7825 Baymeadows Way,
Suite B200
Jacksonville, FL 32258
904-448-4300

Central District
3319 Maguire Blvd.
Suite 232
Orlando, FL 32803
407-894-7555

Southwest District
3804 Coconut Palm Drive
Tampa, FL 33418
813-774-6100

Southeast District
400 North. Congress Ave.
West Palm Beach, FL 33416
561-681-6600

South District
2295 Victoria Ave.
Suite 364
Fort Myers, FL 33901
941-332-6975

Marathon Brach Office
2796 Overseas Hwy.
Suite 221
Marathon, FL 33050
305-289-2310

STCM =
LOTUS =

DEP Form # 62-761.900(6)
Form Title Incident Notification Form
Effective Date: July 13, 1998

Incident Notification Form

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 8942739 **2. Date of form completion:** 12-21-04

3. General Information

Facility name: CENTRA COUNTY TRANSFER STATION
Facility Owner or Operator: SOLID WASTE AUTHORITY
Contact Person: DAVID BROTEN Telephone number: (561) 640-4000 County: PALM BEACH
Facility mailing address: 7501 N. JOG RD WPB FL 33407 X 4015
Location of incident (facility street address):
Latitude and Longitude of incident (If known.)

4. Date of Discovery of incident: 12-21-04 month/day/year

5. Monitoring method that indicates a possible release or an incident: (check all that apply)

- [✓] Liquid detector (automatic or manual)
- [ ] Vapor detector (automatic or manual)
- [ ] Tightness test
- [ ] Pressure test
- [ ] Breach of integrity test
- [ ] Visual observation
- [ ] Groundwater samples
- [ ] Monitoring wells
- [ ] Internal inspection
- [ ] Odors in the vicinity
- [ ] Automatic tank gauging
- [ ] Manual tank gauging
- [ ] Closure
- [ ] Inventory control
- [ ] Statistical Inventory Reconciliation
- [ ] Groundwater analytical samples
- [ ] Soil analytical tests or samples
- [ ] Other

6. Type of regulated substance stored in the storage system: (check one)

- [✓] Diesel
- [ ] Gasoline
- [ ] Heating oil
- [ ] Used\waste oil
- [ ] Aviation gas
- [ ] Jet fuel
- [ ] New/lube oil
- [ ] Kerosene
- [ ] Other
- [ ] Hazardous substance - includes CERCLA substances, pesticides, ammonia, chlorine, and their derivatives, and mineral acids. (write in name or Chemical Abstract Service (CAS) number)

7. Incident involves or originated from a: (check all that apply)

- [ ] Tank
- [ ] Piping sump
- [ ] Unusual operating conditions
- [✓] Release detection equipment
- [ ] Dispensing equipment
- [ ] Secondary containment system
- [ ] Pipe
- [ ] Other
- [ ] Overfill protection device
- [ ] Dispenser Liners
- [ ] Loss of >100 gallons to an impervious surface other than secondary containment
- [ ] Loss of >500 gallons within secondary containment

8. Cause of the incident, if known: (check all that apply)

- [ ] Overfill (<25 gallons)
- [ ] Faulty Probe or sensor
- [ ] Spill (<25 gallons)
- [ ] Human error
- [ ] Theft
- [ ] Installation failure
- [ ] Corrosion
- [ ] Other

9. Actions taken in response to the incident: NOTIFIED SWA FACILITY MAINTENANCE TO DETERMINE IF FAULTY PROBE. IF NOT CONVAULT WILL BE CALLED TO RESPOND.

10. Comments: ARRIVED ON SITE 12-21-04 AND INTERSTICIAL LEAK WAS IN ALARM.

11. Agencies notified (as applicable):

- [ ] Fire Department.
- [✓] Local Program
- [ ] DEP (district/person)

12. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

DAVID BROTEN
Printed Name of Owner, Operator or Authorized Representative

Signature of Owner, Operator or Authorized Representative.

Instructions for completing the Incident Notification Form

This form must be completed to notify the County of all incidents, or of the following suspected releases:

1. A failed or inconclusive tightness, pressure, or breach of integrity test;
2. Internal inspection results, including perforations, corrosion holes, weld failures, or other similar defects that indicate that a release has occurred.
3. Unusual operating conditions such as the erratic behavior of product dispensing equipment, the sudden loss of product from the storage tank system, or any unexplained presence of water in the tank, unless system equipment is found to be defective but not leaking;
4. Odors of a regulated substance in surface or groundwater, soils, basements, sewers and utility lines at the facility or in the surrounding area;
5. The loss of a regulated substance from a storage tank system exceeding 100 gallons on impervious surfaces other than secondary containment, driveways, airport runways, or other similar asphalt or concrete surfaces;
6. The loss of a regulated substance exceeding 500 gallons inside a dike field area with secondary containment; and
7. A positive response of release detection devices or methods described in Rule 62-761.610, F.A.C., or approved under Rule 62-761.850, F.A.C. A positive response shall be the indication of a release of regulated substances, an exceedance of the Release Detection Response Level or a breach of integrity of a storage tank system.

If the investigation of an incident indicates that a discharge did not occur (for example, the investigation shows that the situation was the result of a theft or a malfunctioning electronic release detection probe), then a letter of retraction should be sent to the County within fourteen days with documentation that verifies that a discharge did not occur. If within 24 hours of an incident, or before the close of the County's next business day, the investigation of the incident does not confirm that a discharge has occurred, an Incident Report Form need not be submitted.

A copy of this form must be delivered or faxed to the County within 24 hours of the discovery of an incident, or before the close of the next business day. It is recommended that the original copy be sent in the mail. If the incident occurs at a county-owned facility, a copy of the form must be faxed or delivered to the local DEP District office.

DEP District Office Addresses:

Northwest District
160 Governmental Center
Pensacola FL. 32501-5794
Phone: 850-595-8360
FAX: 850-595-8417

Northeast District
7825 Baymeadows Way Suite B 200
Jacksonville FL. 32256-7590
Phone: 904-488-4300
FAX: 904-488-4366

Central District
3319 Maguire Blvd. Suite 232
Orlando, FL. 32803-3767
Phone: 407-894-7555
FAX: 407-897-2966

Southwest District
3804 Coconut Palm Dr.
Tampa FL. 33619-8218
Phone: 813-744-6100
FAX: 813-744-6125

South District
2295 Victoria Ave. Suite 364
Ft. Myers FL. 33901-2549
Phone: 813-332-6975
FAX: 813-332-6969

Southeast District
400 N. Congress Ave.
West Palm Beach, FL. 33416-5425
Phone: 561-681-6600
FAX: 561-681-6790

(02/01/98)

Chip Green - FW: Incident Notification Form - Central County Transfer Station (#5942739)

From: "Marybeth Morrison" <mmorrison@swa.org>
To: <cmorriso@co.palm-beach.fl.us>
Date: 12/23/2004 10:10 AM
Subject: FW: Incident Notification Form - Central County Transfer Station (#5942739)

-----Original Message-----
From: Marybeth Morrison
Sent: Thursday, December 23, 2004 10:00 AM
To: 'cgreen@co.palm-beach.fl.us'
Cc: 'cmorrison@co.palm-beach.fl.us'; Mark L. McLean; David Broten
Subject: Incident Notification Form - Central County Transfer Station (~~#5942739~~) 8942739

Chip,

This email serves as follow up to the Incident Notification Form that was submitted on 12/21/2004 for the 2000 gallon diesel aboveground storage tank at Central County Transfer Station (#5942739) located in Lantana, FL. During the annual compliance inspection on 12/21/2004, the interstitial release detection was in alarm mode. SWA Facility Maintenance staff was notified and responded immediately. It was determined that moisture damaged the control panel board for the electronic release detection. The part was ordered and installed on 12/22/2004. The system is now working properly.

It was determined within 24 hours of discovery of the incident that a discharge had not occurred and that the incident was caused by a faulty control panel. According to rule FDEP 62-762.451(2)(b)1, the INF was not required to be submitted. However, Charmaine Morrison (PBCERM tank inspector) instructed David Broten (SWA) to complete and submit the INF during the inspection.

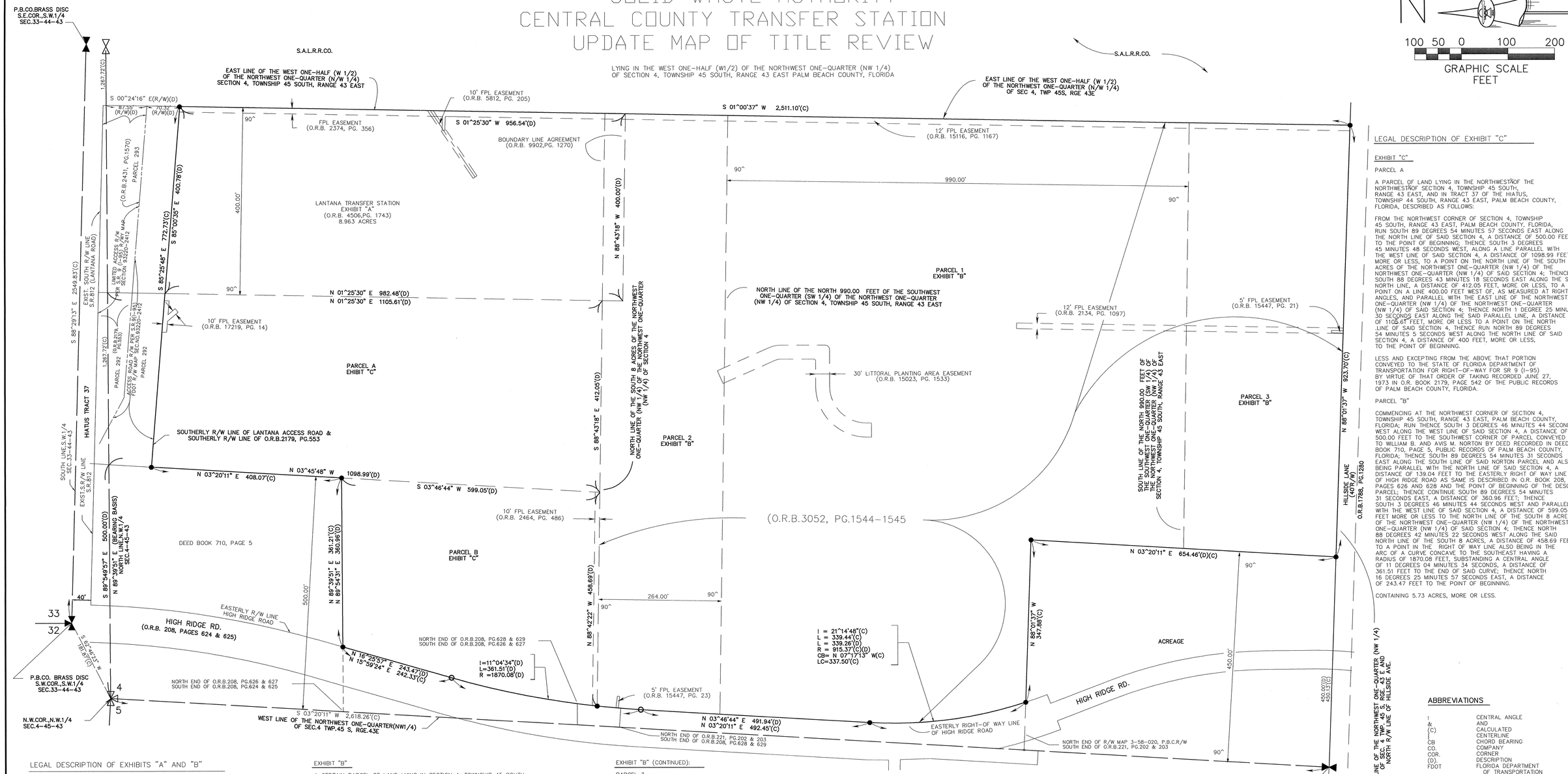
Let me know if you would like a copy of the repair records for your files, or if you need any additional information.

Sincerely,

Mary Beth Morrison
Environmental Compliance Coordinator
640-4000 ext. 4613

SOLID WASTE AUTHORITY
CENTRAL COUNTY TRANSFER STATION
UPDATE MAP OF TITLE REVIEW

LYING IN THE WEST ONE-HALF (W1/2) OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST PALM BEACH COUNTY, FLORIDA



100 50 0 100 200

GRAPHIC SCALE FEET

LEGAL DESCRIPTION OF EXHIBIT "C"

EXHIBIT "C"

PARCEL A

A PARCEL OF LAND LYING IN THE NORTHWEST¼OF THE NORTHWEST¼OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, AND IN TRACT 37 OF THE HIATUS, TOWNSHIP 44 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

FROM THE NORTHWEST CORNER OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, RUN SOUTH 89 DEGREES 54 MINUTES 57 SECONDS EAST ALONG THE NORTH LINE OF SAID SECTION 4, A DISTANCE OF 500.00 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 3 DEGREES 45 MINUTES 48 SECONDS WEST, ALONG A LINE PARALLEL WITH THE WEST LINE OF SAID SECTION 4, A DISTANCE OF 1098.99 FEET, MORE OR LESS, TO A POINT ON THE NORTH LINE OF THE SOUTH 8 ACRES OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SAID SECTION 4; THENCE SOUTH 88 DEGREES 43 MINUTES 18 SECONDS EAST ALONG THE SAID NORTH LINE, A DISTANCE OF 412.05 FEET, MORE OR LESS, TO A POINT ON A LINE 400.00 FEET WEST OF, AS MEASURED AT RIGHT ANGLES, AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SAID SECTION 4; THENCE NORTH 1 DEGREE 25 MINUTES 30 SECONDS EAST ALONG THE SAID PARALLEL LINE, A DISTANCE OF 1105.61 FEET, MORE OR LESS TO A POINT ON THE NORTH LINE OF SAID SECTION 4, THENCE RUN NORTH 89 DEGREES 54 MINUTES 5 SECONDS WEST ALONG THE NORTH LINE OF SAID SECTION 4, A DISTANCE OF 400 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

LESS AND EXCEPTING FROM THE ABOVE THAT PORTION CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FOR RIGHT-OF-WAY FOR SR 9 (I-95) BY VIRTUE OF THAT ORDER OF TAKING RECORDED JUNE 27, 1973 IN O.R. BOOK 2179, PAGE 542 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

PARCEL "B"

COMMENCING AT THE NORTHWEST CORNER OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA; RUN THENCE SOUTH 3 DEGREES 46 MINUTES 44 SECONDS WEST ALONG THE WEST LINE OF SAID SECTION 4, A DISTANCE OF 500.00 FEET TO THE SOUTHWEST CORNER OF PARCEL CONVEYED TO WILLIAM B. AND AVIS M. NORTON BY DEED RECORDED IN DEED BOOK 710, PAGE 5, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA; THENCE SOUTH 89 DEGREES 54 MINUTES 31 SECONDS EAST ALONG THE SOUTH LINE OF SAID NORTON PARCEL AND ALSO BEING PARALLEL WITH THE NORTH LINE OF SAID SECTION 4, A DISTANCE OF 139.04 FEET TO THE EASTERLY RIGHT OF WAY LINE OF HIGH RIDGE ROAD AS SAME IS DESCRIBED IN O.R. BOOK 208, PAGES 626 AND 628 AND THE POINT OF BEGINNING OF THE DESCRIBED PARCEL; THENCE CONTINUE SOUTH 89 DEGREES 54 MINUTES 31 SECONDS EAST, A DISTANCE OF 360.96 FEET; THENCE SOUTH 3 DEGREES 46 MINUTES 44 SECONDS WEST AND PARALLEL WITH THE WEST LINE OF SAID SECTION 4, A DISTANCE OF 599.05 FEET MORE OR LESS TO THE NORTH LINE OF THE SOUTH 8 ACRES OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SAID SECTION 4; THENCE NORTH 88 DEGREES 42 MINUTES 22 SECONDS WEST ALONG THE SAID NORTH LINE OF THE SOUTH 8 ACRES, A DISTANCE OF 458.69 FEET TO A POINT IN THE RIGHT OF WAY LINE ALSO BEING IN THE ARC OF A CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 1870.08 FEET, SUBSTANDING A CENTRAL ANGLE OF 11 DEGREES 04 MINUTES 34 SECONDS, A DISTANCE OF 361.51 FEET TO THE END OF SAID CURVE; THENCE NORTH 16 DEGREES 25 MINUTES 57 SECONDS EAST, A DISTANCE OF 243.47 FEET TO THE POINT OF BEGINNING.

CONTAINING 5.73 ACRES, MORE OR LESS.

ABBREVIATIONS

!	CENTRAL ANGLE
&	AND
(C)	CALCULATED
℄	CENTERLINE
CB	CHORD BEARING
CO.	COMPANY
COR.	CORNER
(D).	DESCRIPTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
(F)	FIELD MEASURED
FPL	FLORIDA LIGHT & POWER
G&O	GREENHORNE & O'MARA
LC	LENGTH ALONG CHORD
L	LENGTH ALONG CURVE
LB	LICENSED BUSINESS
L/A	LIMITED ACCESS
NO.	NUMBER
O.R.B.	OFFICAL RECORD BOOK
PG.	PAGE
PB.	PLAT BOOK
P.B.CO.	PALM BEACH COUNTY
PLS	PROFESSIONAL LAND SURVEYOR
R	RADIUS OF CURVE
RGE.	RANGE
RLS	REGISTERED LAND SURVEYOR
R/W	RIGHT OF WAY
S.A.L.RR.CO.	SEABOARD COASTLINE RAILROAD COMPANY
SEC.	SECTION
S.R.	STATE ROAD
TWP.	TOWNSHIP
W/	WITH

LEGAL DESCRIPTION OF EXHIBITS "A" AND "B"

AS SUPPLIED BY THE CLIENT

EXHIBIT "A"

A PARCEL OF LAND SITUATE IN SECTION 4 , TOWNSHIP 45 SOUTH , RANGE 43 EAST , PALM BEACH COUNTY , FLORIDA , BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS :

BEGINNING AT THE INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE OF THE LANTANNA ROAD ACCESS ROAD WITH THE EAST LINE OF THE WEST ONE-HALF (W 1/2) OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SAID SECTION 4, AS SHOWN ON THE RIGHT-OF-WAY MAP FOR I-95 SECTION 93220-2412. THENCE S 01°25'30" WEST , ALONG SAID EAST LINE OF THE WEST ONE-HALF (W 1/2), A DISTANCE OF 956.54 FEET; THENCE N 88°43'18" WEST A DISTANCE OF 400.00 FEET TO A LINE 400.00 FEET WEST OF AND PARALLEL WITH SAID EAST LINE OF THE WEST ONE-HALF (W 1/2); THENCE N 01°25'30" EAST A DISTANCE OF 982.48 FEET TO THE AFORESAID SOUTHERLY RIGHT-OF-WAY LINE OF LANTANNA ROAD; THENCE S 85°00'35" EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE A DISTANCE OF 400.78 FEET TO THE POINT OF BEGINNING.

ABOVE DESCRIBED PARCEL CONTAINS 8.963 ACRES , MORE OR LESS.

EXHIBIT "B"

A CERTAIN PARCEL OF LAND LYING IN SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL 1

THE NORTH 990.00 FEET OF THE SOUTHWEST ONE QUARTER (SW 1/4) OF THE NORTHWEST ONE QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST.

PARCEL 2

BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST ONE QUARTER (NW 1/4) OF THE NORTHWEST ONE QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST; THENCE RUN WEST FOLLOWING THE SOUTH LINE OF SAID THE NORTHWEST ONE QUARTER (NW 1/4) OF THE NORTHWEST ONE QUARTER (NW 1/4) A DISTANCE OF 1320.00 FEET; THENCE NORTH A DISTANCE OF 264.00 FEET; THENCE EAST AT RIGHT ANGLES TO THE PRECEDING COURSE A DISTANCE OF 1320.00 FEET; THENCE AT RIGHT ANGLES TO THE PRECEDING COURSE, SOUTH A DISTANCE OF 264 FEET TO THE PLACE OF BEGINNING; MEANING AND INTENDING HEREBY TO CONVEY A STRIP OF LAND CONTAINING 8 ACRES OFF THE SOUTH END OF THE NORTHWEST ONE QUARTER (NW 1/4) OF THE NORTHWEST ONE QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST.

EXHIBIT "B" (CONTINUED):

PARCEL 3

THE SOUTHWEST ONE QUARTER (SW 1/4) OF THE NORTHWEST ONE QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, LESS THE NORTH 990.00 FEET THEREOF AND ALSO LESS THE WEST 450.00 FEET THEREOF.

LESS AND EXCEPT THE FOLLOWING PARCELS:

1. A TRIANGULAR PIECE OF LAND AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF THE SOUTH ONE HALF (S 1/2) OF GOVERNMENT LOT 5, SECTION 5, TOWNSHIP 45 SOUTH, RANGE 43 EAST; THENCE EASTERLY IN SECTION 4, 80.34 FEET TO A POINT DESIGNATED POINT (B); THEN AGAIN FROM THE POINT OF BEGINNING NORTHERLY ALONG THE SECTION LINE 179.85 FEET TO A POINT DESIGNATED POINT (C); THENCE FROM (C) TO (B) ARE SOMEWHAT APPROXIMATE AND THE LINE FROM (C) AND (B) FOLLOWS THE CONTOUR OF THE PUBLIC ROAD.

2. BEGINNING AT THE QUARTER SECTION CORNER BETWEEN SECTION 4 AND 5, TOWNSHIP 45 SOUTH, RANGE 43 EAST; THENCE RUNNING EASTERLY ALONG THE QUARTER SECTION LINE A DISTANCE OF 450.00 FEET; THENCE RUNNING NORTHERLY PARALLEL TO THE WEST LINE OF SAID SECTION 4, A DISTANCE OF 654.46 FEET; THENCE RUNNING WESTERLY PARALLEL TO SAID QUARTER SECTION LINE A DISTANCE OF 450.00 FEET TO THE WEST LINE OF SAID SECTION 4; THENCE RUNNING SOUTHERLY ALONG THE WEST LINE OF SAID SECTION 4, A DISTANCE OF 654.46 FEET TO THE POINT OF BEGINNING.

3. THE RIGHT OF WAY OF HIGH RIDGE ROAD.

4. A PARCEL OF LAND LYING IN THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

EXHIBIT "B" (CONTINUED):

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 4; THENCE S.03°20'15"W. AS A BASIS OF BEARING, ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 4, A DISTANCE OF 1,088.55 FEET TO THE SOUTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 4, LESS THE SOUTH 8 ACRES THEREOF; THENCE S.89°08'51"E. ALONG SAID SOUTH LINE, A DISTANCE OF 911.49 FEET TO THE SOUTHWEST CORNER OF THAT PROPERTY DESCRIBED IN OFFICIAL RECORDS BOOK 4506, PAGE 1743, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA AND THE POINT OF BEGINNING; (SAID POINT OF BEGINNING ALSO BEING THE SOUTHWEST CORNER OF THAT PROPERTY AS SURVEYED BY GREENHORNE & O'MARA, INC. AS SHOWN ON SAID SURVEY DRAWING NO. 8645-C01-625, DATED DECEMBER 1995 AND ATTACHED AS EXHIBIT B); THENCE CONTINUE S.89°08'51"E. ALONG SAID SOUTH LINE AND THE SOUTH LINE OF SAID SURVEY SHOWN ON EXHIBIT B, A DISTANCE OF 400.00 FEET TO THE EAST LINE OF THE WEST HALF (W 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF SAID SECTION 4, ALSO BEING THE SOUTHEAST CORNER OF SAID SURVEY ON EXHIBIT B; THENCE N.00°59'57"E. ALONG SAID EAST LINE OF THE WEST HALF (W 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 4, A DISTANCE OF 43.94 FEET TO THE NORTHEAST CORNER OF THAT PROPERTY DESCRIBED IN OFFICIAL RECORD BOOK 3052, PAGE 1544, AS SURVEYED BY LANDMARK SURVEYING & MAPPING, INC., AS SHOWN ON SAID SURVEY, FILE NO. 89-2125, DATED 11/20/89, AND ATTACHED AS EXHIBIT C; THENCE N.89°08'06"W. ALONG THE NORTH LINE OF SAID PROPERTY AS SURVEYED ON EXHIBIT C, A DISTANCE OF 399.99 FEET TO THE WEST LINE OF SAID PROPERTY AS SURVEYED ON EXHIBIT B; THENCE S.01°01'08"W. ALONG AFORE SAID WEST LINE, A DISTANCE OF 44.03 FEET TO THE POINT OF BEGINNING, AS CONVEYED IN OFFICIAL RECORD BOOK 9902, PAGE 1270.

NOTES:

1. THIS TITLE REVIEW MAP WAS COMPILED BASED ON THE TITLE AND EASEMENT REPORT PERFORMED BY COHEN, NORRIS, SCHERER,WEINBERGER & WOLMER, FILE NUMBER 98265.001, CERTIFIED TO APRIL 8, 2004 AT 11:00 P:M AND FURTHER UPDATED BY A LIMITED PROPERTY PROFILE PERFORMED BY COHEN, NORRIS, SCHERER, WEINBERGER & WOLMER, FILE NUMBER 98265.001A, CERTIFIED TO OCTOBER 31, 2008.

2. SECTIONAL AND BOUNDARY INFORMATION SHOWN HEREON IS FROM A BOUNDARY SURVEY PERFORMED BY GREENHORNE & O'MARA FILE NUMBER 8877-BUC-625-1 DATED AUGUST, 2002.

REVISION

ENGINEERS * ARCHITECTS * PLANNERS * SCIENTISTS * SURVEYORS * PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
3223 COMMERCE PLACE, SUITE 100
WEST PALM BEACH, FL 33407
(561) 686-7707
LB 3935
ANNAPOLIS, MD * ATLANTA, GA * FAIRFAX, VA * FREDERICKSBURG, VA * GREENBELT, MD
MECHANICSBURG, PA. * RALEIGH, NC * ROCKVILLE, MD * ST. PETERSBURG, FL * WALDORF, MD

S.W.A. CENTRAL COUNTY TRANSFER STATION

PALM BEACH COUNTY FLORIDA

DESIGN	SCALE 1" = 100'
DRAWN TRUONG	1 OF 1
CHECKED TRUONG/ ADLER	
DATE NOV 08	DRAWING NO.5 180436.LAS.6220

Central County Transfer Station

Permit Renewal

Solid Waste Authority
of Palm Beach County
7501 North Jog Road
West Palm Beach, FL 33412
Telephone: 561-640-4000
Facsimile: 561-640-3400

BROWN and CALDWELL
Environmental Engineering and Consulting
1475 Centre Park Blvd, Suite 210
West Palm Beach, FL 33401 (561)684-3456
Certificate of Authorization No. 00002602

Date: September 2011

ENGINEER OF RECORD:
PHILLIP R. DOVER, P.E.
FL. PROFESSIONAL ENGINEER LICENSE NO.: 49,858

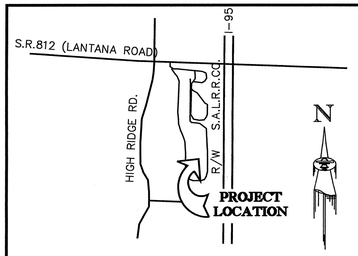
1 inch = 100 feet

Total Site Acreage - 63.39 ac

Legend

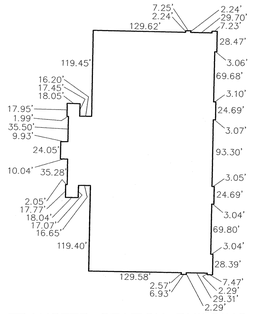
- Lantana Potable Water Wells
- Fence

0 62.5 125 250 375 500 Feet



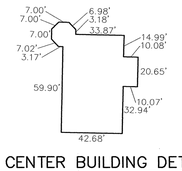
LOCATION MAP

NOT TO SCALE



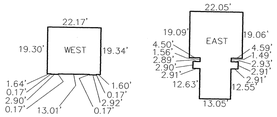
TRANSFER STATION BUILDING DETAIL

(NOT TO SCALE)



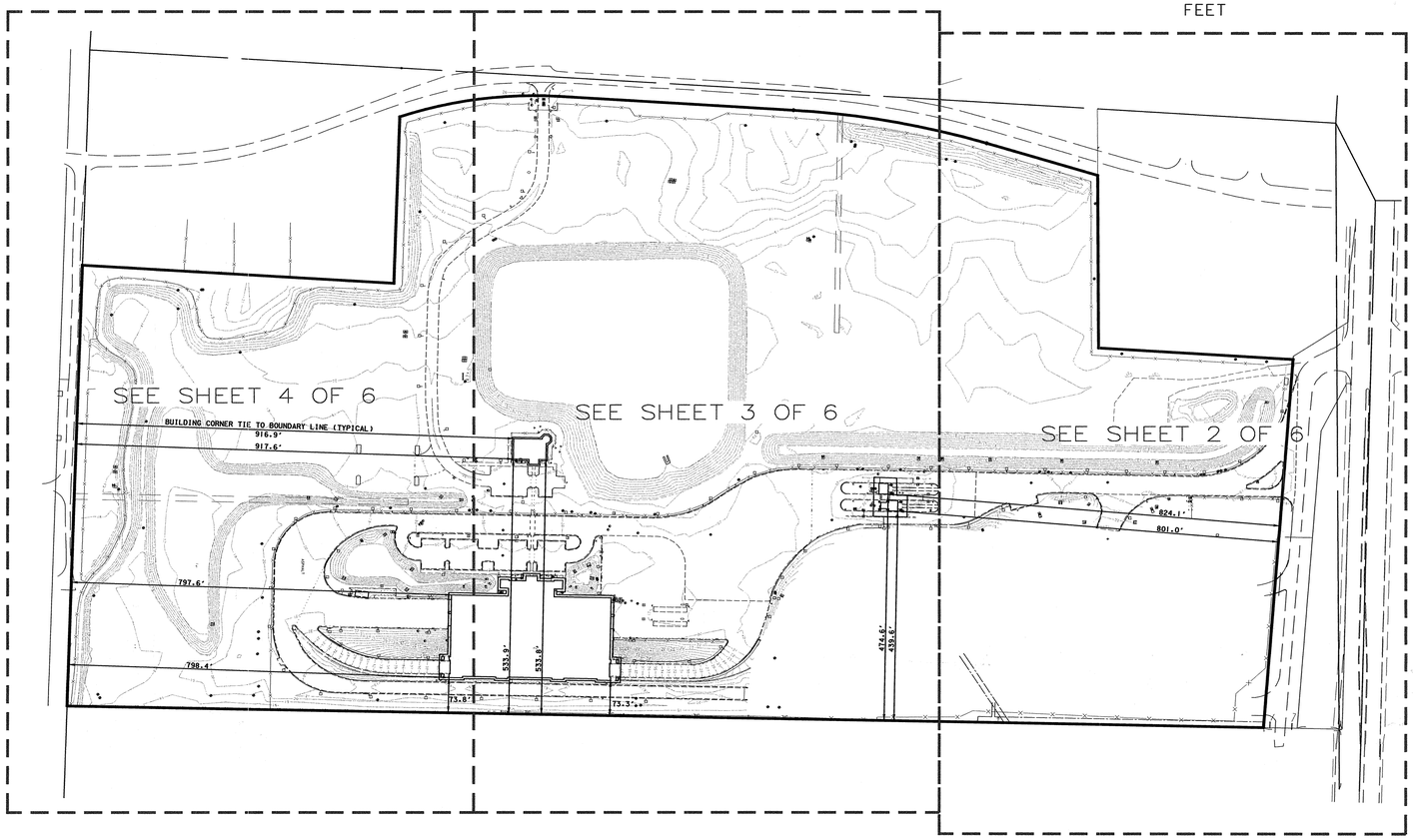
CIVIC CENTER BUILDING DETAIL

(NOT TO SCALE)



SCALE HOUSE BUILDINGS DETAIL

(NOT TO SCALE)



N

150 75 0 150 300

GRAPHIC SCALE

FEET

LEGAL DESCRIPTION (COMBINED PARCELS):

A PARCEL OF LAND LYING IN THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID NORTHWEST QUARTER; THENCE NORTH 89°39'51" EAST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 1,267.72 FEET TO THE EAST LINE OF THE WEST HALF OF SAID NORTHWEST QUARTER; THENCE SOUTH 01°00'37" WEST ALONG SAID EAST LINE, A DISTANCE OF 1,157.87 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF LANTANA ACCESS ROAD, AS SHOWN ON THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP FOR SECTION NO. 93220-2412, AND ALSO BEING THE POINT OF BEGINNING; THENCE SOUTH 01°00'37" WEST ALONG SAID EAST LINE, A DISTANCE OF 2511.10 FEET TO A POINT ON THE SOUTH LINE OF THE NORTHWEST QUARTER; THENCE NORTH 88°01'37" WEST ALONG SAID SOUTH LINE, A DISTANCE OF 923.70 FEET TO A POINT ON A LINE THAT IS 450.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID NORTHWEST QUARTER; THENCE NORTH 03°20'11" EAST ALONG SAID PARALLEL LINE, A DISTANCE OF 654.46 FEET; THENCE NORTH 88°01'37" WEST, A DISTANCE OF 347.88 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF HIGH RIDGE ROAD AS RECORDED IN OFFICIAL RECORD BOOK 221, PAGES 202 AND 203 OF SAID COUNTY RECORDS; THENCE THE FOLLOWING TWO COURSES ALONG SAID EASTERLY RIGHT OF WAY LINE:

1) ALONG A NON-TANGENT CURVE TO THE RIGHT, HAVING AN ARC LENGTH OF 339.44 FEET, A CENTRAL ANGLE OF 21°14'48", A RADIUS OF 915.37 FEET, AND A CHORD BEARING NORTH 07°17'13" WEST, A CHORD DISTANCE OF 337.50 FEET;

2) NORTH 03°20'11" EAST ALONG A LINE 40.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID NORTHWEST QUARTER, ALSO BEING TANGENT TO THE LAST AND THE FOLLOWING DESCRIBED CURVE, A DISTANCE OF 492.45 FEET;

THENCE CONTINUING ALONG THE EASTERLY RIGHT OF WAY OF HIGH RIDGE ROAD AS RECORDED IN OFFICIAL RECORD BOOK 221, PAGES 202-203 AND OFFICIAL RECORD BOOK 208, PAGES 626-629 OF THE BROWARD COUNTY RECORDS, THE FOLLOWING TWO COURSES:

1) ALONG A CURVE TO THE RIGHT, HAVING AN ARC LENGTH OF 413.00 FEET, A CENTRAL ANGLE OF 12°39'13", A RADIUS OF 1,870.08 FEET, AND A CHORD BEARING NORTH 09°39'47" EAST, A CHORD DISTANCE OF 412.16 FEET,

2) NORTH 15°59'24" EAST, A DISTANCE OF 242.33 FEET TO A POINT ON A LINE THAT IS 500.00 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID NORTHWEST QUARTER;

THENCE NORTH 89°39'51" EAST ALONG SAID PARALLEL LINE, A DISTANCE OF 361.21 FEET TO A POINT ON A LINE THAT IS 500.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID NORTHWEST QUARTER; THENCE NORTH 03°20'11" EAST ALONG SAID PARALLEL LINE A DISTANCE OF 408.07 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF SAID LANTANA ACCESS ROAD; ALSO BEING THE SOUTHERLY RIGHT OF WAY LINE AS RECORDED IN OFFICIAL RECORD BOOK 279, PAGE 542; THENCE SOUTH 89°25'48" EAST ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 772.73 FEET TO THE POINT OF BEGINNING.

CONTAINING 2,760,907 SQUARE FEET (63.382 ACRES), MORE OR LESS.

LEGEND

AC	AIR CONDITIONING	GYA	GUY ANCHOR
&	AND	INV.	INVERT
BFP	BACKFLOW PREVENTER	IR&C	IRON ROD & CAP
BLDG	BUILDING	IRR.	IRRIGATION
(C)	CALCULATED	LP	LIGHT POLE
CB	CATCH BASIN	LC	LENGTH ALONG CHORD OF CURVE
C.L.	CHAIN LINK	L	LENGTH ALONG ARC OF CURVE
CB	CHORD BEARING	LB	LICENSED BUSINESS
C/O	CLEAN OUT	L/A	LIMITED ACCESS
CLR.	CLEARS	MH	MANHOLE
COMM.	COMMUNICATION	MHD	MANHOLE DRAINAGE
CMH	COMMUNICATION MANHOLE	MES	MITERED END SECTION
CO.	COMPANY	MONW	MONITORING WELL
CONC.	CONCRETE	NO.	NUMBER
COR.	CORNER	O.R.B.	OFFICIAL RECORD BOOK
CI	CURB INLET	OHE	OVERHEAD ELECTRIC
(D)	DESCRIPTION	PG.	PAGE
ELEC.	ELECTRIC	P.B.CO.	PALM BEACH COUNTY
ELEO	ELECTRIC OUTLET	P.B.C.R/W	PALM BEACH COUNTY RIGHT OF WAY DEPARTMENT
ELEV.	ELEVATION	PK	PARKER KALON
FF	FINISH FLOOR	P.O.B.	POINT OF BEGINNING
(FA)	FIELD ADJUSTED	P.O.C.	POINT OF COMMENCEMENT
FH	FIRE HYDRANT	PED.	PEDESTRIAN
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	PVC	POLYVINYL CHLORIDE
		P.B.	PLAT BOOK
FD. (PLAIN)	FOUND FOUND CORNER WITHOUT ANY IDENTIFICATION		

PLS	PROFESSIONAL LAND SURVEYOR
P.S.M.	PROFESSIONAL SURVEYOR AND MAPPER
R	RADIUS OF CURVE
RGE.	RANGE
RLS	REGISTERED LAND SURVEYOR
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SAN	SANITARY
SANMH	SANITARY MANHOLE
S.A.L.RR.CO.	SEABOARD COASTLINE RAILROAD COMPANY
SEC.	SECTION
S.R.	STATE ROAD
STU	STORMWATER TREATMENT UNIT
TEMP.	TEMPORARY
TWP.	TOWNSHIP
VC	VALVE COVER
WV	WATER VALVE
WPB	WIRE PULL BOX
W/	WITH
WPP	WOOD POWER POLE
——BE——	BURIED ELECTRIC LINE
——MBE——	MULTIPLE BURIED ELECTRIC LINE (CONCRETE DUCT BANK)
——BT——	BURIED TELEPHONE/COMMUNICATION LINE
——MBT——	MULTIPLE BURIED TELEPHONE/COMMUNICATION LINE
——G——	UNDERGROUND GROUND GRID LINE ASBUILT
——G——	UNDERGROUND GROUND GRID LINE PER PLAN, NOT ASBUILT
	LIGHTNING PROTECTION SYSTEM ROD
⊕PH+65	IRRIGATION POT HOLE LOCATION
	IRRIGATION VALVE (SEE SHEETS 2, 3 & 4 FOR SPECIFIC DESCRIPTION)

SURVEYOR'S REPORT FOR THE SWA CENTRAL COUNTY TRANSFER STATION

REPORT OF BOUNDARY AND ASBUILT SURVEY:
THIS IS AN UPDATED BOUNDARY SURVEY AND AN ASBUILT SURVEY OF THE IMPROVEMENTS ASSOCIATED WITH THE NEW TRANSFER STATION LOCATED IN SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST. THIS UPDATED SURVEY INCLUDES: THE BOUNDARY SURVEY FOR THE ORIGINAL CENTRAL COUNTY TRANSFER STATION PER THE PARCEL DESCRIBED IN OFFICIAL RECORD BOOK 4506 AT PAGE 1743, PALM BEACH COUNTY RECORDS, WAS PERFORMED ON DECEMBER 2, 1995; THE BOUNDARY AND TOPOGRAPHIC SURVEY PER THE PARCEL DESCRIBED IN OFFICIAL RECORD BOOK 3052 AT PAGE 1544, PALM BEACH COUNTY RECORDS, WAS PERFORMED ON SEPTEMBER 30, 2001; THE BOUNDARY AND TOPOGRAPHIC SURVEY PER THE PARCEL DESCRIBED IN OFFICIAL RECORD BOOK 13727 AT PAGE 566 (PROPERTY KNOWN AS THE BUCKNER PROJECT), PALM BEACH COUNTY RECORDS, WAS PERFORMED ON MAY 15, 2002. THE FIELD WORK TO UPDATE THE BOUNDARY AND ASBUILT SURVEY WAS PERFORMED ON DECEMBER 3, 2007 THRU JANUARY 15, 2008. UNDER THE DIRECTION OF THUY A.TRUONG, PROFESSIONAL SURVEYOR AND MAPPER (PSM). THIS REPORT AND SURVEY ARE VALID ONLY WHEN THE SIGNATURE AND RAISED EMBOSSED SEALED ARE FOUND AT THE END OF THIS REPORT.

ACCURACY:
THE FIELD SURVEY WAS PERFORMED IN ACCORDANCE WITH CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE PURSANT TO SECTION 472.027 FLORIDA STATE STATUTES FOR THIS TYPE OF SURVEY. THE MINIMUM REQUIRED RELATIVE DISTANCE ACCURACY FOR THIS COMMERCIAL/HIGH RISK TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET. THE ACCURACY OBTAINED BY MEASUREMENTS WITH GLOBAL POSITIONING SYSTEMS (GPS), REAL-TIME KINEMATICS (RTK), AND CONVENTIONAL METHODS EXCEED THE RELATIVE DISTANCE ACCURACY REQUIREMENTS. ELEVATIONS WERE ESTABLISHED BY RUNNING A CLOSED LEVEL LOOP. THE VERTICAL ACCURACY REQUIREMENTS OF THE FLORIDA MINIMUM TECHNICAL STANDARDS (MTS) STATES THAT THE CLOSURE IN FEET MUST BE ACCURATE TO A STANDARD OF PLUS OR MINUS 0.05 FEET TIMES THE SQUARE ROOT OF THE DISTANCE IN MILES. THE ACCURACY OBTAINED BY USING A CONVENTIONAL LEVEL WAS FOUND TO EXCEED THIS REQUIREMENT. VERTICAL VALUES ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) 1929. HORIZONTAL VALUES ARE BASED ON THE NATIONAL AMERICAN DATUM (NAD) 1983 WITH THE 1990 ADJUSTMENT; FLORIDA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, EAST ZONE (901), NORTH AMERICAN DATUM OF 1983 WITH THE 1990 ADJUSTMENT. UNITS ARE EXPRESSED IN U.S. SURVEY FEET.

ACCURACY OF UTILITIES:
FIELD LOCATED UTILITY LINES SHOWN HEREON WERE DESIGNATED WITH THE ELECTRONIC SOUNDING EQUIPMENT BY TRAINED TECHNICIANS AND ARE WITHIN A HORIZONTAL TOLERANCE OF +/- 1.5 FEET. POT HOLES WERE DUG TO EXPOSE THE IRRIGATION WATER LINE AS SHOWN. THE ELEVATIONS WERE TAKEN AT THE TOP OF THE IRRIGATION LINE AND AT THE NATURAL GROUND NEXT TO EACH POT HOLE BY REDUNDANT MEASUREMENTS UTILIZING CONVENTIONAL AND RTK METHODS. REDUNDANT MEASUREMENTS WERE AVERAGED.

MEASUREMENT METHODS:
THE TOPOGRAPHY WAS PERFORMED UTILIZING THE CONVENTIONAL RADIAL SURVEY TECHNIQUES USING AN ELECTRONIC TOTAL STATION WITH THE ELECTRONIC FIELD BOOK DATA COLLECTOR. SUPPLEMENTAL PERVIOUS AND IMPERVIOUS SHOTS WERE OBTAINED USING GPS RTK METHOD. RTK WAS USED TO LOCATE PROPERTY CORNERS AND SET THOSE CORNERS NOT FOUND. EACH CORNERS EITHER FOUND OR SET WERE SHOT THREE TIMES WITH AN HOUR OR MORE BETWEEN REDUNDANT MEASUREMENTS AND HOLDING A POSITIONAL TOLERANCE OF 0.03 FEET. DESIGNATION (SURFACE LOCATION) OF UTILITIES SHOWN HEREON WERE OBTAINED USING THE SEEKTECH AND METROTECH (UNDERGROUND DETECTION) EQUIPMENTS.

DATA SOURCE:
COPY OF BOUNDARY SURVEY OF TRACT BY LANDMARK SURVEYING AND MAPPING, DRAWING DATED SEPTEMBER 7, 1995.

COPY OF TITLE SEARCH AND REPORT BY COHEN, NORRIS, SCHERER, WEINBERG AND WOLMER, DATED MAY 21, 2002.

G&O OBTAINED THE FOLLOWING RECORD INFORMATION:
O.R.B.208, PGS.624-625
O.R.B.208, PGS.626-627
O.R.B.208, PGS.628-629
O.R.B.221, PGS.202-203
O.R.B.1788, PG.1280
O.R.B.2134, PG.1097
O.R.B.2179, PG.542
O.R.B.2374, PG.356
O.R.B.2431, PGS.1570-1571
O.R.B.2464, PG.488
O.R.B.3052, PG.1544
O.R.B.4506, PG.1743
O.R.B.5812, PG.205
O.R.B.9902, PGS.1259-1269
FDOT S.R.9 (I-95) R/W MAP SECTION NO.93220-2412
PBC HIGH RIDGE ROAD R/W MAP NO.3-58-020

SWA CENTRAL COUNTY TRANSFER STATION RECORD DRAWING OF SANITARY SEWER, WATER PLAN AND PROFILE DONE BY STEVEN A. CARMICHAEL P.S.M. AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NOS. 2, 3, & 4, RCT JOB NO.02578, DATED MARCH 2003).

SWA CENTRAL COUNTY TRANSFER STATION RECORD DRAWING OF PARTIAL STORMWATER MANAGEMENT PLAN DONE BY STEVEN A. CARMICHAEL P.S.M. AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NO.3, RCT JOB NO.02578, DATED MARCH 2003)

SWA CENTRAL COUNTY TRANSFER STATION ASBUILT PARTIAL STORMWATER MANAGEMENT PLAN DONE BY STEVEN A. CARMICHAEL P.S.M. AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NOS.DR-02, DR-03 & DR-13, DATED JANUARY 4, 2007)

SWA CENTRAL COUNTY TRANSFER STATION CONFORMED DRAWINGS OF OVERALL ELECTRICAL SITE PLAN AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NOS. EU-1.02, EU-2.02, EA-1.01, EA-2.01, EA-3.01, ED-1.01 & ED-2.01, RCT JOB NO.02578, DATED MARCH 2003)

SWA CENTRAL COUNTY TRANSFER STATION RECORD DRAWING OF OVERALL ELECTRICAL SITE PLAN DONE BY SMITH ENGINEERING CONSULTANTS, INC. AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NOS.EU-1.02, EU-2.01, EU-2.02, EU-2.03, SK-EU-2.01-1, SK-EU-2.01-1, SK-EU-2.02-1, SK-EU-2.01-2 & SK-EU-1.02-1, RCT JOB NO.02578, DATED MARCH 2008).

SWA CENTRAL COUNTY TRANSFER STATION RECORD DRAWING OF IRRIGATION PLANS DONE BY CONTROL PRECIPITATION DESIGN, INC. AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NOS.IR-1 THRU IR-14, RCT JOB NO.00538, DATED MARCH 2008).

SWA CENTRAL COUNTY TRANSFER STATION ASBUILT DRAWING OF IRRIGATION PLANS DONE BY CONTROL PRECIPITATION DESIGN, INC. AND STEVEN A. CARMICHAEL P.S.M. AS PROVIDED BY RCT ENGINEERING, INC. (SHEET NOS.IR-9 THRU IR-12, RCT JOB NO.02578, DATED MARCH 2003).

ASBUILT INFORMATION:
INFORMATION OBTAINED BY RECORD ASBUILT DRAWINGS: STORM DRAIN PIPE SIZES, PIPE TYPE, PIPE DIRECTION, TOP OF STRUCTURE ELEVATIONS; MITERED END SECTION ELEVATIONS, SANITARY SEWER PIPE SIZES, PIPE TYPE, PIPE DIRECTION. WATER LINE LOCATION, PIPE TYPE, PIPE SIZE.

INFORMATION OBTAINED BY G&O FIELD DATA: STORM DRAIN STRUCTURE LOCATION, TOP OF STRUCTURE ELEVATIONS; MITERED END SECTION ELEVATIONS; SANITARY SEWER TOP OF STRUCTURE LOCATIONS, TOP OF STRUCTURE ELEVATIONS; WATER STRUCTURE LOCATIONS; ELECTRIC LINES; AND COMMUNICATION LINES.

PUBLISHED BENCHMARKS:
THE BENCHMARK OF RECORD IS A PALM BEACH COUNTY BRASS DISC STAMPED "ROEGAN". THE NGVD 1929 ELEVATION IS 17.788 FEET. THE BENCHMARK IS LOCATED IN THE MEDIAN OF S.R.812 (LANTANA ROAD) FROM 1/ 2 MILE WEST OF THE S.R.9 (I-95) OVERPASS AND IS 325 FEET WEST OF THE CENTERLINE OF LAKE OSBORNE DRIVE, 6.5 FEET SOUTH OF THE SOUTH EDGE OF PAVEMENT OF S.R.812 (LANTANA ROAD) AND 29 FEET EAST OF A WITNESS POST.

ON-SITE BENCHMARKS:
LANTRAN1 - BRASS DISC IN CONCRETE STAMPED "LANTRAN1, PLS 4693"
ELEVATION = 21.490 FEET. THE BENCHMARK IS LOCATED AT THE SOUTHEAST CORNER OF S.R.812 (LANTANA ROAD) AND THE ACCESS ROAD TO THE SWA CENTRAL COUNTY TRANSFER STATION.

LANTRAN2 - BRASS DISC IN CONCRETE STAMPED "LANTRAN2, PLS 4693"
ELEVATION = 17.122 FEET. THE BENCHMARK IS LOCATED INSIDE THE ORIGINAL EXISTING SWA CENTRAL COUNTY TRANSFER STATION AT THE APPROXIMATE SOUTHWEST CORNER OF THE PARCEL AS DESCRIBED IN OFFICIAL RECORD BOOK 4506 AT PAGE 1743.

G014 - 1/ 2" IRON ROD & RED CAP STAMPED "LB 4852"
ELEVATION = 15.719 FEET. THE BENCHMARK IS LOCATED ON THE PHYSICAL CENTERLINE OF HIGH RIDGE ROAD, APPROXIMATELY 1181 FEET SOUTH OF THE INTERSECTION OF S.R.812 (LANTANA ROAD) AND HIGH RIDGE ROAD.

G017 - PK NAIL & DISC STAMPED "G&O, LB 3935"
ELEVATION = 19.933 FEET. THE BENCHMARK IS LOCATED ON THE PHYSICAL CENTERLINE OF HIGH RIDGE ROAD, APPROXIMATELY 1750 FEET SOUTH OF THE INTERSECTION OF S.R.812 (LANTANA ROAD) AND HIGH RIDGE ROAD.

BEARING BASIS:
BEARINGS SHOWN HEREON ARE BASED ON THE GRID BEARING FOR THE NORTH LINE OF THE NORTHWEST ONE-QUARTER (N.W.1/ 4) OF SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST. SAID LINE BEARS NORTH 89°39'51" EAST.

APPARENT PHYSICAL USE:
THE ORIGINAL SWA CENTRAL COUNTY TRANSFER STATION LOCATED AT THE NORTHEAST CORNER OF THE COMBINED SITE IS STILL BEING USED TO TRANSFER AND STORE GARBAGE. THE PROPERTY DESCRIBED IN OFFICIAL RECORD BOOK 13727 AT PAGE 566 HAS THE NEW IMPROVEMENT OF THE ENTRANCE ROAD FROM LANTANA ACCESS ROAD AND SCALE HOUSE. THE PROPERTY DESCRIBED IN OFFICIAL RECORD BOOK 3052 AT PAGE 1544 HAS THE NEW IMPROVEMENT OF THE CIVIC CENTER , TRANSFER STATION AND CONCRETE AND ASPHALT PAVING.

BOUNDARY INCONSISTENCIES:
NONE

PREPARED FOR:
RCT ENGINEERING, INC.
CAMP, DRESSER & MCKEE, INC. (CDM)
SOLID WASTE AUTHORITY

CERTIFIED TO:
RCT ENGINEERING, INC.
CAMP, DRESSER & MCKEE, INC. (CDM)
SOLID WASTE AUTHORITY

EASEMENTS:
GREENHORNE & O'MARA, INC. AND THE SIGNING SURVEYOR ACCEPTS NO RESPONSIBILITIES FOR THE RIGHTS-OF-WAY, EASEMENTS, RESTRICTIONS OR OTHER MATTERS AFFECTING TITLE TO THE LANDS SURVEYED.

JANUARY 17, 2008
DATE OF ORIGINAL SIGNATURE

THUY A.TRUONG, P.S.M.
PROFESSIONAL LICENSE NO.5868

SURVEYOR'S NOTES

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2. GREENHORNE & O'MARA, INC. AND THE CERTIFYING SURVEYOR ACCEPT NO RESPONSIBILITY FOR RIGHT-OF-WAYS, EASEMENTS, RESTRICTIONS OR OTHER MATTERS AFFECTING TITLE TO THE LANDS SURVEYED OTHER THAN THOSE RECITED IN THE CURRENT DEED AND/OR OTHER INSTRUMENT OF RECORD FURNISHED BY THE CLIENT.

REVISIONS:	DATE:
1. ADDED ASBUILT INFORMATION FOR WATER, SEWER, STORM DRAIN, ELECTRIC AND COMM.	08/22/08
2. ADDED ASBUILT INFORMATION FOR THE 4" & 6" IRRIGATION LINES.	08/22/08
3. ADDED UNDERGROUND GROUND GRID LINES	09/10/08
4. REVISED THE CELL SYMBOLOGY FOR THE IRRIGATION VALVE.	09/25/08

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UPDATE BOUNDARY & ASBUILT SURVEY FOR:

SURFACE IMPROVEMENTS FOR NEW SOLID WASTE AUTHORITY CENTRAL COUNTY TRANSFER STATION

PALM BEACH COUNTY FLORIDA

DESIGN	1" = 150' SCALE
RITZEL/ MULLIN DRAWN	1 OF 6
TRUONG CHECKED	
JAN 2008 DATE	180436.LAS.6260.643 DRAWING NO.

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N
50 25 0 50 100
GRAPHIC SCALE
FEET
P.O.C.
N.W.COR.N.W.1/4 SEC 4, TWP.45S, RGE.43E (NOT FOUND)
S 62°46'23" W 181.87'(C)
N 89°39'51" E (BEARING BASIS)
NORTH LINE,N.W.1/4 SEC.4-45-43
N 89°39'51" E
500.00'(C)
SOUTH LINE,S.W.1/4 SEC.33-44-43
RAISED CONC.TRAFFIC SEPARATOR
EXIST.S.R/W LINE S.R.812
8'WALK
9'WALK
2.0' CURB & GUTTER
BENCHMARK LANTRANI:
BRASS DISC IN CONC.
STAMPED "PLS 4693 LANTRANI"
ELEV. - 21.490'
S 88°29'13" E 2549.83'(C)
EXIST. SOUTH R/W LINE S.R.812 (LANTANA ROAD)
1,267.72'(C)
N 89°39'51" E
FD.P.B.CO.BRASS DISK S.E.COR.,S.W.1/4 SEC.33-44-43 STAMPED "33"
PARCEL 292
PARCEL 293
LIMITED ACCESS R/W PER S.R. 9 (I-95) R/WY MAP SECTION 93220-2412
ACCESS ROAD R/W PER S.R.9(I-95) FDOT R/W MAP SEC.NO.93220-2412
(O.R.B.2179, PG.542)
(O.R.B.2431, PG.1570)
S 00°24'16" E(R/W)(D) 157.87'(C)
N.E.COR.,N.W.1/4 SEC.4, TWP.45S,RGE.43E (NOT FOUND)
NE COR. OF THE W ½ OF THE NW ¼ OF SEC.4, TWP.45 S, RGE.43 E
S 85°25'48" E 772.73'(C)
S 85°24'00" E 772.74'(FA)
FD. P.B.CO. BRASS DISK S.W.COR., S.W.1/4 SEC.33-44-43 STAMPED "32/33"
END OF O.R.B.208, PG.624 & 625
DEED BOOK 710, PAGE 5 (ACREAGE)
FD.4"X4"CM W/ALUM.DISC "ADAIR & BRADY CO. PRM RLS #3542"
N 03°20'11" E 408.07'(C)
N 03°19'46" E 408.48'(FA)
S 03°20'11" W 500.00'(C)
WEST LINE OF THE NORTHWEST ONE-QUARTER(NW1/4) OF SEC.4 TWP.45 S, RGE.43E
EASTERLY R/W LINE HIGH RIDGE ROAD
N 89°39'51" E 138.79'(C)(RW)
S 89°54'31" E 139.04'(D)
500.00'
GRAVEL PARKING
N 89°39'51" E 361.21'(C)
N 89°39'05" E 360.70'(FA)
N 89°54'31" E 360.96'(D)
FD.4"X4"CM W/ALUM.DISC "ADAIR & BRADY,INC. PRM RLS #3542"
S 03°20'11" W 2,618.26'(C)
NORTH END OF O.R.B.208, PG.626 & 627, P.B.C.R.
SOUTH END OF O.R.B.208, PG.624 & 625, P.B.C.R.
N 15°59'24" E 242.33'(C)
N 16°08'14" E 242.56'(FA)
N 16°25'57" E 242.37'(D)
FD.4"X4"CM W/ALUM.DISC "ADAIR & BRADY CO. PRM RLS #3542"
FD. ¾" IR & C "G&O, LB 3935"
Δ = 12°39'13"(R)(C)
L = 413.00'(C)(D)
R = 1870.08'(C)(D)
CB= N 09°39'47" E(C)
CB= N 09°38'46" E(FA)
LC= 412.16'(C)
LC= 412.03'(FA)
25 MPH & BUMP SIGN
EDGE OF PAVEMENT
TOP OF BERM
BOTTOM OF BERM
SOUTHERLY R/W LINE OF LANTANA ACCESS ROAD & SOUTHERLY R/W LINE OF O.R.B.2179, PG.542
LANTANA TRANSFER STATION (EXISTING)
FLORIDA POWER AND LIGHT EASEMENT (O.R.B.2374, PG.356)
10' FLORIDA POWER AND LIGHT EASEMENT (O.R.B.5812, PG.205)
S 01°00'37" W 2,511.10'(C)
S 01°00'43" W 2,511.23'(FA)
EAST LINE OF THE WEST ONE-HALF (W 1/2) OF THE NORTHWEST ONE-QUARTER (N.W 1/4) SECTION 4, TOWNSHIP 45 SOUTH, RANGE 43 EAST
S.A.L.R.R.CO.
P.O.B.
FD. ¾" IR & C "G&O, PLS 4693"
6'C.L.FENCE
EXIST.SANMH RIM-23.51
SANMH-9 RIM-19.74
SANMH-8 RIM-19.51
SANMH-7 RIM-19.37
MATCH LINE SHEET 3 OF 6

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SURVEYOR'S NOTES

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REVISIONS:	DATE:

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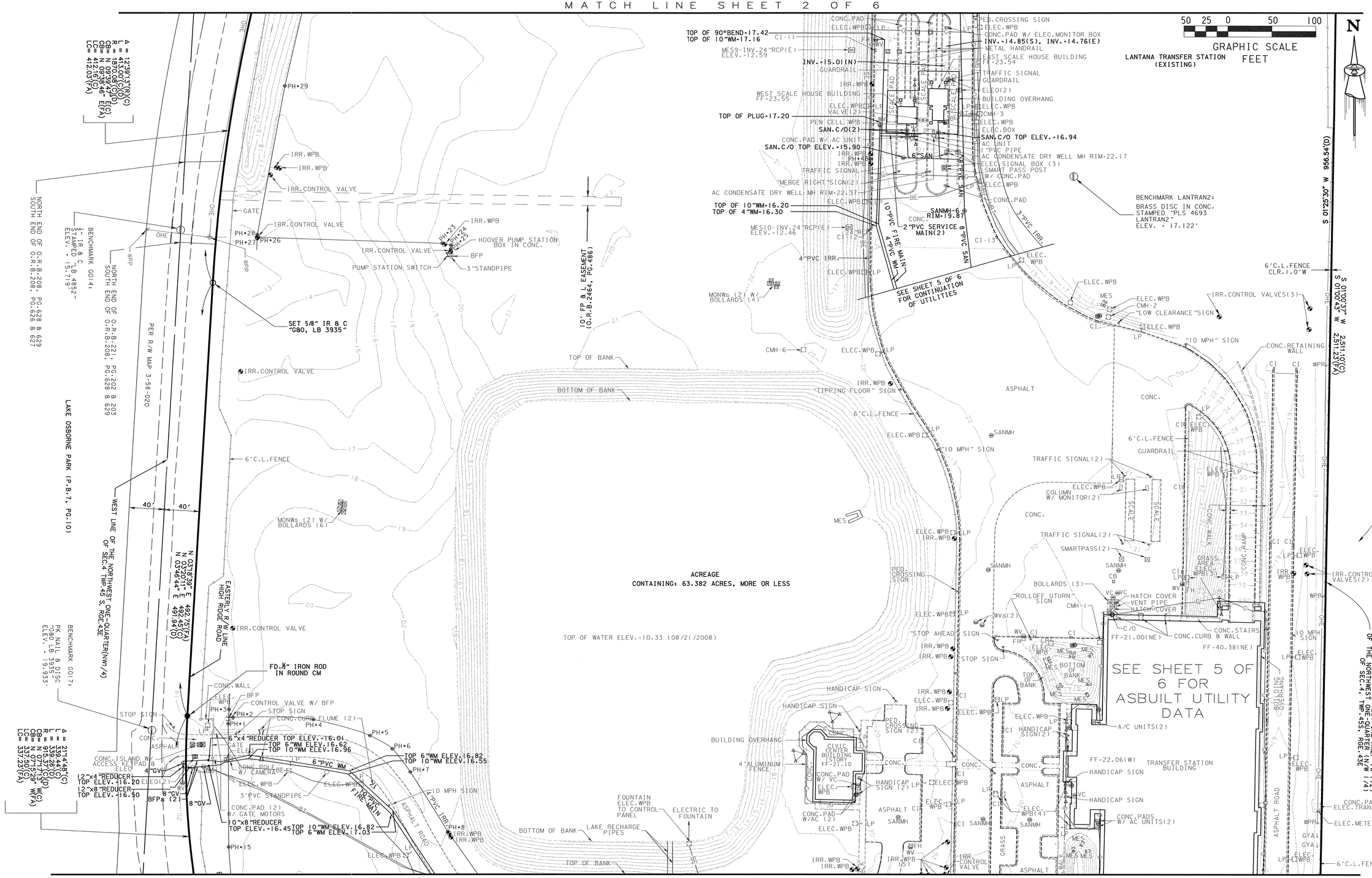
UPDATE BOUNDARY & ASBUILT SURVEY FOR:

SURFACE IMPROVEMENTS FOR NEW SOLID WASTE AUTHORITY CENTRAL COUNTY TRANSFER STATION

PALM BEACH COUNTY FLORIDA

DESIGN	SCALE 1" = 50'
RITZEL/ MULLIN DRAWN	2 OF 6
TRUONG CHECKED	
JAN 2008 DATE	180436.LAS.6260.643 DRAWING NO.



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PALM BEACH COUNTY FLORIDA

DESIGN	1" = 50' SCALE
RITZEL/ MULLIN DRAWN	3 OF 6
TRUONG CHECKED	
JAN 2008 DATE	180436.LAS.6260.643 DRAWING NO.

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MATCH LINE SHEET 3 OF 6

Δ = 21°14'48"(C)
L = 339.44'(C)
L = 339.26'(D)
R = 915.37'(C)(D)
CB= N 07°17'13" W(C)
CB= N 07°15'29" W(FA)
LC= 337.50'(C)
LC= 337.23'(FA)

EASTERLY R/W LINE HIGH RIDGE ROAD

IRR.CONTROL VALVE

PH•16

PH•17

IRR.CONTROL VALVE

ELEC.WPB

LP

10 MPH SIGN

TOP 6"WM ELEV.16.31
TOP 10"WM ELEV.16.39
IRR.LAKE RE-CHARGE GATE AND CHECK VALVES

PH•12

PH•13

PH•14

BE BT

4"PVC IRR.

CONC. PAD W/ IRR. PUMP CONTROL PANEL AND FOUNTAIN CONTROL PANEL

IRR.CONTROL VALVE

TOP 6"WM ELEV.17.45
TOP 10"WM ELEV.17.97

4"PVC IRR. STUB UP-TEMP.END

6"PVC WM

10"PVC FIRE MAIN

PH•73

BE

TOP 6"WM ELEV.18.75
TOP 10"WM ELEV.19.00

TOP 6"WM ELEV.15.54
TOP 10"WM ELEV.15.82

SEE SHEET 5 OF 6 FOR CONTINUATION OF UTILITIES

MONWs (2) W/ BOLLARDS (4)

N 88°01'37" W 347.88'(C)
N 88°02'09" W 347.70'(FA)

NORTH END OF R/W MAP 3-58-020, P.B.C.R/W
SOUTH END OF O.R.B.221, PG.202 & 203

HIGH RIDGE RD.

FD. 4" IR & C "PLS 3978"

FD. 1/2" IP (PLAIN)

FENCE CORNER CLEARS 1.4'

N 03°20'11" E 654.46'(D)(C)
N 03°18'51" E 654.56'(FA)

BOTTOM OF BERM

TOP OF BERM

6'C.L.FENCE

FENCE CORNER CLEARS 0.9'

IRR. CONTROL VALVE

FENCE CORNER CLEARS 1.6'

IRR.CONTROL VALVE
IRR.WPB

IRR.CONTROL VALVE

WEST LINE OF THE NORTHWEST ONE-QUARTER(NW1/4) OF SEC.4 TWP.45 S, RGE.43E

NORTH END OF 40' R/W DEED BOOK 658, PG.405
SOUTH END OF R/W MAP 3598-020, P.B.C.R/W

EDGE OF PAVEMENT

ACREAGE

90'

450.00'

90'

S.W.COR.,N.W.1/4 SEC.4, TWP.45S, RGE.43E
FND.STAMPED"5/4 1977"

450.13'(C)
450.00'(D)

FD. 5/8" IRON ROD (PLAIN)

POWER POLE CLEARS 1.3' W

IRR.CONTROL VALVE

IRR.CONTROL VALVE

BOTTOM OF BERM

BOTTOM OF BERM

TOP OF BERM

IRR.WPB

MONWs (2) W/ BOLLARDS (4)

IRR.WPB
CONC.PAD
WELL

PUMP SWITCH

6'C.L.FENCE

3'PLASTIC FENCE

N 88°01'37" W 923.70'(C)
N 88°01'38" W 923.52'(FA)

HILLSIDE LANE
(40' R/W)
O.R.B.1788, PG.1280

ASPH.PAVEMENT ENC.0.0' N, 291.8' W

IRR.CONTROL VALVE

6'C.L.FENCE

SOUTH LINE OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SEC. 4 TWP. 45 S, RGE. 43 E AND NORTH R/W LINE OF HILLSIDE AVE.

ELEC.WPB

CONC.CURB

BRICK PAVERS

CONC.PAD W/ WV

GRASS PARKING AREA

DIRECTION SIGN

IRR.WPB

12' FP & L EASEMENT (O.R.B.2134, PG.1097)

FED. CROSSING SIGN WVs(4)

STOP SIGN

IRR.WPB(2)

CONC.WALL

CONC.AREA

FUEL TANK

PUMP (2)

BOLLARD(2)

ELEC. MONITORING BOX

RAMP SIGN

TOP OF BANK

DO NOT ENTER SIGN (2)

ASPHALT

DO NOT OPEN TURNBUCKLES SIGN

CONC.APRON

6'C.L.FENCE

IRR.CONTROL VALVE

6'C.L.FENCE CLR.0.9'W

SEE SHEET 5 OF 6 FOR CONTINUATION OF UTILITIES

6'C.L.FENCE

IRR.CONTROL VALVE

PH•64

4"PVC IRR.

FD. 1/2" IR & C. "LB 4396"

IRR.AIR RELEASE VALVE

IRR.CONTROL VALVE

PH•63

PH•62

6'C.L.FENCE CLR.1.0'W

IRR.CONTROL VALVE

FF-21.93(SW)

FF-40.28(SE)

CONC.CURB & WALL

CONC.STAIRS

BOTTOM OF BANK

CONC.

CONC.WALK

CONC.PAD W/GENERATOR

GUARDRAIL

CONC.RETAINING WALL

CONC.RAMP

EXIT AHEAD SIGN

ELEC. WPB(3)

ELEC. WPB(5)

6'C.L.FENCE CLR.1.0'W

SEE SHEET 5 OF 6 FOR ASBUILT UTILITY DATA

ASPH.PAVEMENT ENC.9.3' N, 245.3' W

LIGHT POLE ENC.4.1' N, 241.7' W

S 01°00'37" W 2511.10'(C)
S 01°00'43" W 2511.23'(FA)

S.A.L.R.R.CO.

N

50 25 0 50 100

GRAPHIC SCALE FEET

LAKE OSBORNE COURT (P.B.15, PG.32)

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REVISIONS: | DATE:

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UPDATE BOUNDARY & ASBUILT SURVEY FOR:

SURFACE IMPROVEMENTS FOR NEW SOLID WASTE AUTHORITY CENTRAL COUNTY TRANSFER STATION

PALM BEACH COUNTY FLORIDA

DESIGN	1" = 50' SCALE
RITZEL/MULLIN DRAWN	4 OF 6
TRUONG CHECKED	
JAN 2008 DATE	180436.LAS.6260.643 DRAWING NO.

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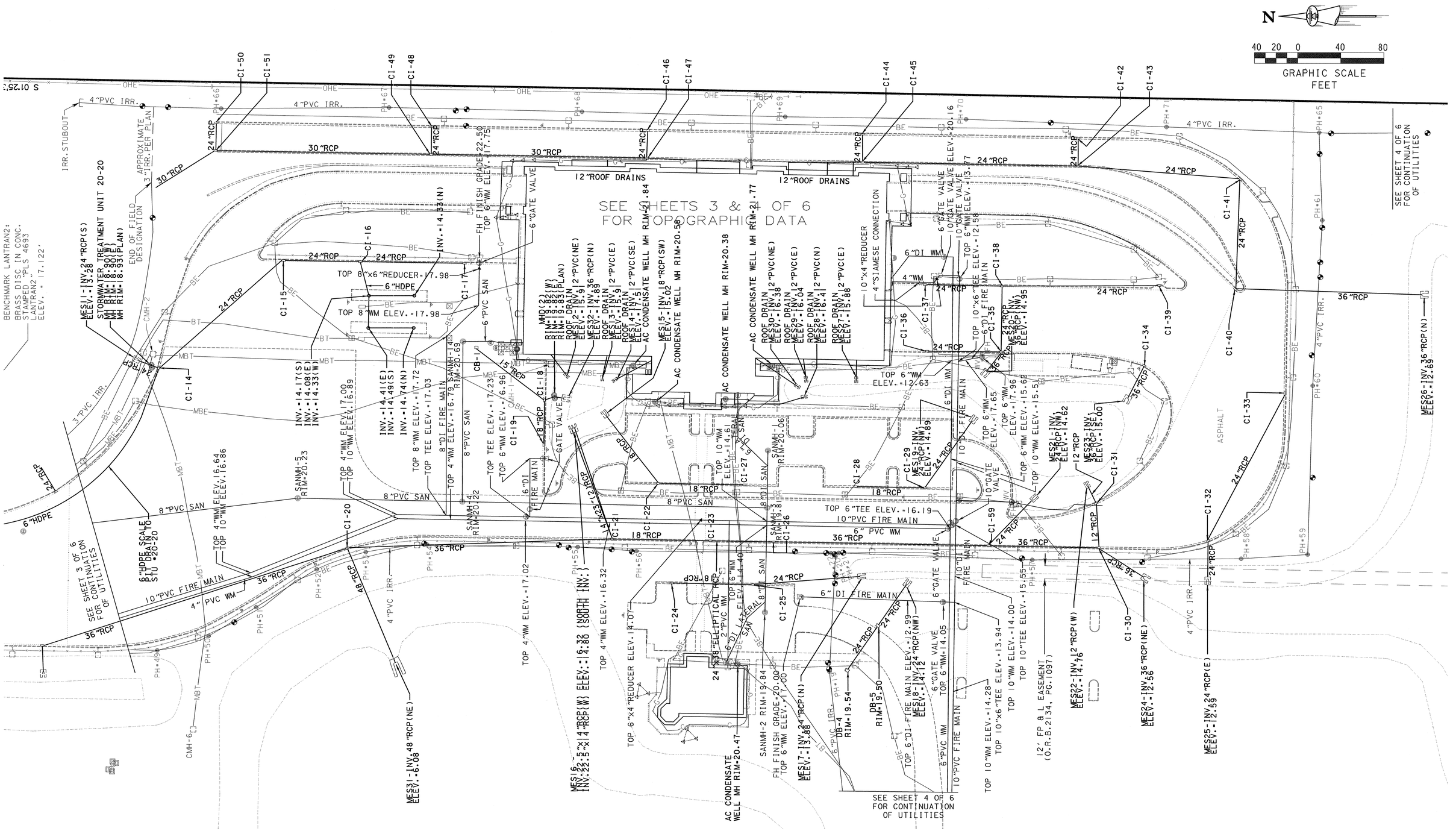

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UPDATE BOUNDARY & ASBUILT SURVEY FOR:

SURFACE IMPROVEMENTS FOR NEW SOLID WASTE AUTHORITY CENTRAL COUNTY TRANSFER STATION

PALM BEACH COUNTY FLORIDA

DESIGN	1" = 40' SCALE
RITZEL/MULLIN DRAWN	5 OF 6
TRUONG CHECKED	
JAN 2008 DATE	180436.LAS.6260.643 DRAWING NO.

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STRUCTURE NO.	STRUCTURE TYPE	G&O RIM ELEV.	ASBUILT RIM ELEV.	NORTH.	ASBUILT INVERT ELEV. SOUTH	EAST	WEST
CI-1	CURB INLET TOP TYPE 9	17.67(SW)/17.65(SE)	17.79		13.07		
CI-2	CURB INLET TOP TYPE 9	17.85(NE)/17.89(SE)	18.04				13.60
CI-3	CURB INLET TOP TYPE 9	18.14(SW)/18.11(SE)	18.28			13.02	13.01
CI-4	CURB INLET TOP TYPE 9	19.39(NW)/19.42(SW)	19.50			12.55	12.55
CI-5	CURB INLET TOP TYPE 9	18.64(NE)/18.64(SE)	18.76			14.92	
CI-6	CURB INLET TOP TYPE 9	19.68(NE)/19.66(SE)	19.76			14.75	
CI-7	CURB INLET TOP TYPE 9	18.55(NW)/18.60(SW)	18.70			12.46	12.34
CI-8	CURB INLET TOP TYPE 9	18.90(NE)/18.85(NW)	19.02			14.73	
CI-9	CURB INLET TOP TYPE 9	19.16(NW)/19.13(SW)	19.26				12.93
CI-10	CURB INLET TOP TYPE 9	18.85(NE)/18.86(NW)	19.02			14.58	
CI-11	CURB INLET TOP TYPE 9	19.65(NW)/19.66(SW)	19.80				12.50
CI-12	CURB INLET TOP TYPE 9	18.63(NW)/18.63(SW)	18.80		12.48		12.49
CI-13	CURB INLET TOP TYPE 9	19.26(NE)/19.27(SE)	19.42			15.00	
CI-14	CURB INLET TOP TYPE 9	18.75(NW)/18.78(NE)	18.88	14.26	14.36		12.83
CI-15	CURB INLET TOP TYPE 9	19.33(NE)/19.34(SE)	19.48	15.06	15.08		14.50
CI-16	CURB INLET TOP TYPE 9	19.84(NE)/19.81(SE)	19.95	15.01	14.80		13.88
CI-17	CURB INLET TOP TYPE 9	20.62(NE)/20.70(SE)	20.75	15.19			
CI-18	CURB INLET TOP TYPE 9	19.22(SW)/19.29(SE)	19.46	15.40	15.15		15.40
CI-19	CURB INLET TOP TYPE 9	19.05(SW)/19.04(SE)	19.10			15.20	
CI-20	CURB INLET TOP TYPE 9	18.54(NW)/18.58(SW)	18.74	12.27	12.41		11.37
CI-21	CURB INLET TOP TYPE 9	20.10(NW)/20.07(SW)	20.26	13.34	13.26	12.50	
CI-22	CURB INLET TOP TYPE 9	19.58(NW)/19.58(SW)	19.69		15.13	15.14	
CI-23	CURB INLET TOP TYPE 9	19.08(NW)/19.10(SW)	19.20	13.45	13.51		
CI-24	CURB INLET TOP TYPE 9	19.63(NE)/19.54(SE)	19.70		14.11		
CI-25	CURB INLET TOP TYPE 9	19.55(NE)/19.49(SE)	19.75	14.10	14.01		
CI-26	CURB INLET TOP TYPE 9	19.54(NW)/19.53(SW)	19.82	13.44	13.42		
CI-27	CURB INLET TOP TYPE 9	19.59(NW)/19.61(SW)	19.62	15.40			
CI-28	CURB INLET TOP TYPE 9	19.60(NW)/19.62(SW)	19.72		15.38		
CI-29	CURB INLET TOP TYPE 9	19.54(NW)/19.54(SW)	19.69	15.18		15.17	
CI-30	CURB INLET TOP TYPE 9	18.63(NW)/18.61(SW)	18.73	12.65		12.60	12.60
CI-31	CURB INLET TOP TYPE 9	18.63(NE)/18.62(NW)	18.80			14.00	14.00
CI-32	CURB INLET TOP TYPE 9	19.61(NW)/19.64(SW)	19.76			13.51	13.56
CI-33	CURB INLET TOP TYPE 9	20.04(SW)/19.98(SE)	20.15				14.50
CI-34	CURB INLET TOP TYPE 9	20.21(NW)/20.24(SW)	20.41				15.15
CI-35	CURB INLET TOP TYPE 9	20.27(NW)/20.22(SW)	20.36	15.10		15.07	15.03
CI-36	CURB INLET TOP TYPE 9	20.54(NW)/20.57(SW)	20.71		16.03		
CI-37	CURB INLET TOP TYPE 9	20.51(NE)/20.48(SE)	20.64		16.00		
CI-38	CURB INLET TOP TYPE 9	20.17(NE)/20.22(NW)	20.39	15.50	15.50		15.50
CI-39	CURB INLET TOP TYPE 9	20.50(NE)/20.56(SE)	20.67	16.02			
CI-40	CURB INLET TOP TYPE 9	21.08(NE)/21.11(SE)	21.26		12.88	13.04	
CI-41	CURB INLET TOP TYPE 9	20.09(NE)/20.06(SE)	20.85	13.32			13.25
CI-42	CURB INLET TOP TYPE 9	18.61(NE)/18.58(SE)	18.77				13.86
CI-43	CURB INLET TOP TYPE 9	18.52(NW)/18.56(SW)	18.72	13.58	13.55	13.52	
CI-44	CURB INLET TOP TYPE 9	18.51(NW)/18.48(SW)	18.65				14.26
CI-45	CURB INLET TOP TYPE 9	18.41(NE)/18.39(SE)	18.35		14.02	13.99	14.00
CI-46	CURB INLET TOP TYPE 9	18.58(NE)/18.52(SE)	18.78				14.35
CI-47	CURB INLET TOP TYPE 9	18.56(NE)/18.55(SE)	18.74	13.97		14.07	
CI-48	CURB INLET TOP TYPE 9	18.62(NE)/18.59(SE)	18.73				14.18
CI-49	CURB INLET TOP TYPE 9	18.52(NW)/18.57(SW)	18.73	13.45	13.50	13.48	
CI-50	CURB INLET TOP TYPE 9	18.57(NE)/18.58(SE)	18.64				13.85
CI-51	CURB INLET TOP TYPE 9	18.32(NW)/18.30(SW)	18.75	13.00	12.97	13.06	
CI-59	CURB INLET TOP TYPE 9	19.67(NW)/19.62(SW)	19.75	13.05	13.10	12.83	
DB-4	DITCH BOTTOM INLET TYPE C	19.54	19.54			15.14	
DB-5	DITCH BOTTOM INLET TYPE C	19.50	19.52			14.57	14.53
CB-1	CATCH BASIN	20.60	20.66		16.14(SW)		

STRUCTURE NO.	STRUCTURE TYPE	G&O RIM ELEV.	ASBUILT RIM ELEV.	NORTH	ASBUILT INVERT ELEV. SOUTH	EAST	WEST
SANMH-1	SANITARY MANHOLE	20.06	20.05				16.50
SANMH-2	SANITARY MANHOLE	19.84	19.56			16.59	
SANMH-3	SANITARY MANHOLE	19.81	19.85	15.98		16.19	16.20
SANMH-4	SANITARY MANHOLE	20.22	20.09	14.72	14.82	14.78	
SANMH-5	SANITARY MANHOLE	20.23	20.00	14.01	14.11		
SANMH-6	SANITARY MANHOLE	19.87	20.43	12.88	12.98(SE)		
SANMH-7	SANITARY MANHOLE	19.37	19.43	11.68(NW)	11.70		
SANMH-8	SANITARY MANHOLE	19.51	20.03	10.92	10.97(SE)		
SANMH-9	SANITARY MANHOLE	19.74	19.98		10.29	10.15	
SANMH-14	SANITARY MANHOLE	20.69	20.48		15.49		15.38
EXIST.SANMH	SANITARY MANHOLE	23.51	24.00	9.15	9.34		9.68

STRUCTURE NO.	STRUCTURE TYPE	G&O INV. ELEV.	ASBUILT INV. ELEV.
MES1	CONCRETE MITERED END SECTION	12.88	12.84
MES2	CONCRETE MITERED END SECTION	12.75	12.75
MES3	CONCRETE MITERED END SECTION	12.55	12.43
MES4	CONCRETE MITERED END SECTION	12.42	12.40
MES5	CONCRETE MITERED END SECTION	12.52	12.59
MES6	CONCRETE MITERED END SECTION	12.60	12.48
MES7	CONCRETE MITERED END SECTION	13.08	12.98
MES8	CONCRETE MITERED END SECTION	12.53	12.50
MES9	CONCRETE MITERED END SECTION	12.59	12.57
MES10	CONCRETE MITERED END SECTION	12.46	12.48
MES11	CONCRETE MITERED END SECTION	13.28	13.07
MES12	CONCRETE MITERED END SECTION	15.91	14.93
MES13	CONCRETE MITERED END SECTION	15.91	14.93
MES14	CONCRETE MITERED END SECTION	17.51	14.93
MES15	CONCRETE MITERED END SECTION	15.02	15.05
MES16(N)	CONCRETE MITERED END SECTION	16.32	14.85
MES16(S)	CONCRETE MITERED END SECTION	14.80	14.85
MES17	CONCRETE MITERED END SECTION	13.88	13.88
MES18	CONCRETE MITERED END SECTION	14.12	14.05
MES19	CONCRETE MITERED END SECTION	14.89	14.80
MES20	CONCRETE MITERED END SECTION	14.95	14.99
MES21	CONCRETE MITERED END SECTION	14.62	15.00
MES22	CONCRETE MITERED END SECTION	14.76	14.71
MES23	CONCRETE MITERED END SECTION	15.00	15.04
MES24	CONCRETE MITERED END SECTION	12.56	12.49
MES25	CONCRETE MITERED END SECTION	12.59	12.48
MES26	CONCRETE MITERED END SECTION	12.69	12.70
MES27	CONCRETE MITERED END SECTION	15.88	15.82
MES28	CONCRETE MITERED END SECTION	16.41	16.20
MES29	CONCRETE MITERED END SECTION	16.04	15.98
MES30	CONCRETE MITERED END SECTION	16.38	16.25
MES31	CONCRETE MITERED END SECTION	6.08	6.41
MES32	CONCRETE MITERED END SECTION	14.89	14.93
MES33	CONCRETE MITERED END SECTION	13.21	12.19
MES34	CONCRETE MITERED END SECTION	12.83	12.53
MES35	CONCRETE MITERED END SECTION	12.47	12.42
MES36	CONCRETE MITERED END SECTION	12.47	12.45
MES37	CONCRETE MITERED END SECTION	13.23	13.15
MES38	CONCRETE MITERED END SECTION	12.36	12.64

IRRIGATION POT HOLE (PH) NO.	PIPE DESCRIPTION	G&O TOP OF PIPE ELEV.	NATURAL GROUND ELEV.
1	4"PVC IRRIGATION	17.69	19.2
2	4"PVC IRRIGATION	17.22	19.2
3	4"PVC IRRIGATION	15.75	18.7
4	4"PVC IRRIGATION	17.59	19.8
5	4"PVC IRRIGATION	17.68	19.8
6	4"PVC IRRIGATION	17.47	19.9
7	4"PVC IRRIGATION	17.18	19.6
8	4"PVC IRRIGATION	18.76	21.4
9	4"PVC IRRIGATION	20.52	22.9
10	4"PVC IRRIGATION	20.57	22.8
11	4"PVC IRRIGATION	18.12	20.4
12	4"PVC IRRIGATION	18.06	20.3
13	4"PVC IRRIGATION	17.63	19.7
14	6"x4"DIP TEE IRRIGATION	17.66	19.9
15	4"PVC IRRIGATION	16.54	19.3
16	4"PVC 90° ELBOW IRRIGATION	16.03	19.2
17	4"PVC IRRIGATION	20.89	23.3
18	4"DIP 90° BEND IRRIGATION	20.65	22.9
19	6"PVC IRRIGATION	18.33	19.8
20	6"PVC IRRIGATION	18.46	20.7
21	4"PVC IRRIGATION	18.54	20.8
22	4"PVC IRRIGATION	18.59	20.3
23	4"PVC IRRIGATION	17.10	19.7
24	4"DIP 90° BEND IRRIGATION	17.65	20.1
25	4"PVC IRRIGATION	18.30	20.2
26	4"PVC IRRIGATION	10.24	13.1
27	4"PVC IRRIGATION	10.21	13.1
28	4"PVC IRRIGATION	10.25	13.3
29	4"PVC IRRIGATION	13.36	16.0
30	4"PVC IRRIGATION	14.09	16.3
31	4"PVC IRRIGATION	13.87	16.6
32	4"PVC 90° BEND IRR. IN CONC.	15.63	18.2
33	4"PVC IRRIGATION	16.28	19.2
34	4"PVC 90° BEND IRR. IN CONC.	17.71	20.0
35	4"PVC IRRIGATION	18.48	20.4
36	4"PVC 90° BEND IRRIGATION	18.05	20.2
37	4"PVC IRRIGATION	17.59	19.0
38	4"PVC IRRIGATION	17.80	19.4
39	4"DIP 90° BEND IRRIGATION	18.58	20.3
40	4"PVC 90° BEND IRR. IN CONC.	18.62	21.0
41	4"PVC IRRIGATION	17.06	18.4
42	4"PVC IRRIGATION	17.32	19.1
43	4"PVC TEE IRRIGATION	17.04	19.6
43	4"PVC IRRIGATION (EAST OF TEE)	15.55	19.6
44	4"PVC IRRIGATION	17.07	19.6
45	4"PVC IRRIGATION	18.32	20.0
46	4"PVC IRRIGATION	17.92	19.6
47	4"PVC IRRIGATION	18.35	20.2
48	4"PVC IRRIGATION	17.72	20.0
49	4"PVC IRRIGATION	17.93	20.0
50	4"PVC IRRIGATION	18.41	20.5
51	4"PVC IRRIGATION	17.65	20.0
52	4"PVC IRRIGATION	17.36	19.2
53	4"PVC IRRIGATION	17.56	19.3
54	4"PVC IRRIGATION	17.80	19.9
55	4"PVC IRRIGATION	19.04	20.7
56	4"PVC IRRIGATION	17.90	20.4
57	4"PVC IRRIGATION	17.54	18.8
58	4"PVC IRRIGATION	18.43	20.2
59	4"DIP 90° ELBOW IRRIGATION	17.71	19.6
60	4"PVC IRRIGATION	17.13	19.5
61	4"PVC IRRIGATION	15.66	20.9
62	4"DIP 90° BEND IRRIGATION	13.84	17.0
63	4"PVC IRRIGATION	13.61	16.7
64	4"PVC IRRIGATION	13.82	20.0
65	4"DIP TEE IRRIGATION	16.35	20.1
66	4"PVC IRRIGATION	17.93	19.7
67	4"PVC IRRIGATION	18.11	19.9
68	4"PVC IRRIGATION	19.41	20.2
69	4"PVC IRRIGATION	18.66	19.8
70	4"PVC IRRIGATION	18.39	20.1
71	4"PVC IRRIGATION	17.75	20.1
72	4"DIP TEE IRRIGATION	18.46	21.2
73	4"PVC IRRIGATION	18.80	20.8
74	4"DIP 45° BEND IRRIGATION	19.81	23.2
75	4"PVC IRRIGATION	20.47	23.1
76	4"PVC IRRIGATION	20.51	22.5
77	4"PVC IRRIGATION	20.10	22.2
78	4"DIP 90° BEND IRRIGATION	23.02	26.9
79	4"DIP 45° BEND IRRIGATION	20.06	22.4
80	4"DIP 45° BEND IRRIGATION	17.36	19.8
81	4"PVC IRRIGATION	16.99	19.5

SURVEYOR'S NOTES

1. ATTENTION IS DIRECTED TO THE FACT THAT THIS MAP MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
2. GREENHORNE & O'MARA, INC. AND THE CERTIFYING SURVEYOR ACCEPT NO RESPONSIBILITY FOR RIGHT-OF-WAYS, EASEMENTS, RESTRICTIONS OR OTHER MATTERS AFFECTING TITLE TO THE LANDS SURVEYED OTHER THAN THOSE RECITED IN THE CURRENT DEED AND/OR OTHER INSTRUMENT OF RECORD FURNISHED BY THE CLIENT.

REVISIONS:	DATE:

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
3223 COMMERCE PLACE, SUITE 100
WEST PALM BEACH, FL 33407
(561) 686-7707
ANNAPOLIS, MD • ATLANTA, GA • FAIRFAX, VA • FREDERICKSBURG, VA • LAUREL, MD
MECHANICSBURG, PA. • RALEIGH, NC • ROCKVILLE, MD • ST. PETERSBURG, FL • WALDORF, MD

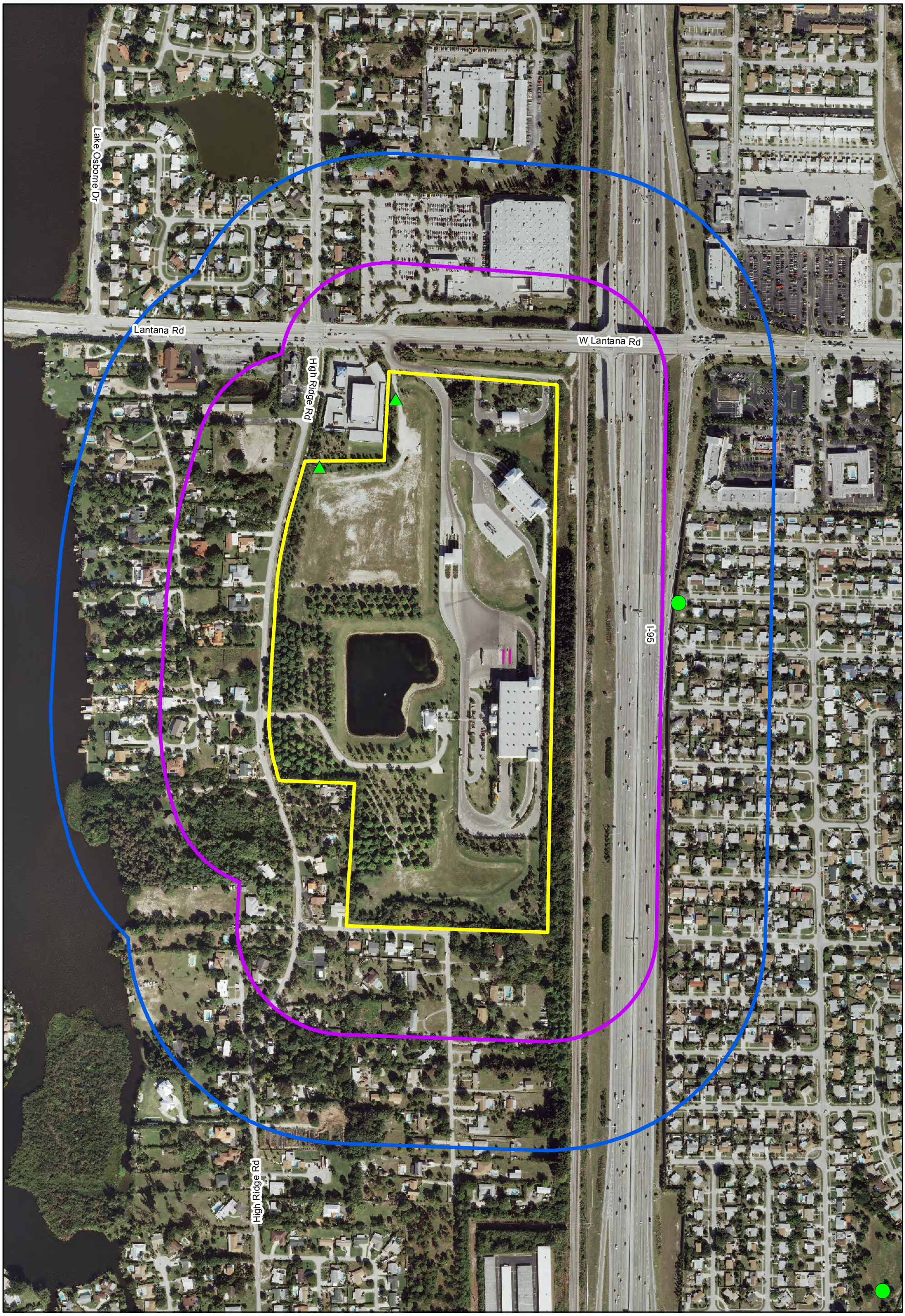
UPDATE BOUNDARY & ASBUILT SURVEY FOR:

SURFACE IMPROVEMENTS FOR NEW SOLID WASTE AUTHORITY CENTRAL COUNTY TRANSFER STATION

PALM BEACH COUNTY FLORIDA

DESIGN	1" = 50' SCALE
RITZEL/ MULLIN DRAWN	6 OF 6
TRUONG CHECKED	
JAN 2008 DATE	180436.LAS.6260.643 DRAWING NO.

J:\survey\SWA\LTRAN\Survey\LAND DESKTOP 2007 DRAWINGS\CENTRAL CNTY TRANS STA SURVEY with asbuilt info.dwg, 9/26/2008 10:17:58 AM



Central County Transfer Station

Permit Renewal

Solid Waste Authority
of Palm Beach County
7501 North Jog Road
West Palm Beach, FL 33412
Telephone: 561-640-4000
Facsimile: 561-640-3400

BROWN and CALDWELL
Environmental Engineering and Consulting
1475 Centre Park Blvd, Suite 210
West Palm Beach, FL 33401 (561)684-3456
Certificate of Authorization No. 00002602

Date: September 2011
ENGINEER OF RECORD:
PHILLIP R. DOVER, P.E.
FL. PROFESSIONAL ENGINEER LICENSE NO.: 49,858

Legend

- Potable Water Wells
- Lantana Potable Water Wells
- 500 ft
- 1000 ft
- Transfer Station Boundary

1 inch = 400 feet
Total Site Acreage - 63.39 ac

0 125 250 500 750 1,000 Feet

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road. Tallahassee, Florida 32399-2400

Division of Waste Management
Bureau of Petroleum Storage Systems

Storage Tank Facility Closure Site Inspection Report

Facility Information:

Facility ID:	8942739	County:	PALM BEACH	Inspection Date:	06/11/2010
Facility Type:	H -Local Government				
Facility Name:	SOLID WASTE AUTH OF PBC-CENTRAL TRANSFER STAT			# Of Inspected ASTs:	3
	1810 LANTANA RD			USTs:	0
	LANTANA, FL 33462			Mineral Acid Tanks:	0
Latitude:	26° 35' 5.5463"				
Longitude:	80° 4' 14.7666"				
LL Method:	AGPS				

Inspection Result:

Result : In Compliance

Description: Facility is In Compliance.

Financial Responsibility

Financial Responsibility: INSURANCE

Insurance Carrier: COMMERCE & INDUSTRY

Effective Date: 11/04/2009 Expiration Date: 11/04/2010

Signatures:

TKPBEM - PALM BEACH COUNTY ENVIRONMENTAL MGMT

Storage Tank Program Office

(561) 233-2400

Storage Tank Program Office Phone Number

Charmine Morrison

INSPECTOR NAME

C. Morrison

INSPECTOR SIGNATURE

David Broten

REPRESENTATIVE NAME

Dan Broten

REPRESENTATIVE SIGNATURE

Facility ID: 8942739

System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Completed Tests					
Annual Operability Test	08/06/2008	Passed	03/17/2009	08/06/2009	
Annual Operability Test	06/28/2006	Passed	03/22/2007	06/28/2007	
Annual Operability Test	08/06/2009	Passed	04/30/2010	08/06/2010	

Inspection Comments

06/11/2010

Onsite for closure inspection.
ERM was notified that 2 ASTs were removed from the site.
Tanks were 1,000 gal and 2,000 gal tanks.
Tanks were convault tanks.
Tanks have been removed to another SWA site.
Tanks will probably be sold.
A closure assessment exemption request was submitted.
Areas where tanks were located have been examined.
No evidence of leaks were seen.
There was no staining on surface areas.
All areas were concrete areas.
No vegetation involved.
Photos were taken of areas where tanks were previously located.

Inspection Photos1

Added Date 06/11/2010

AST previous location

Added Date 06/11/2010

AST previous location B

Facility ID: 8942739

Added Date 06/11/2010

AST previous location C

Florida Department of Environmental Protection

Southeast District Office
400 North Congress Avenue, Ste. 200
West Palm Beach, Florida 33401-2913
561 681-6600

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

October 28, 2011

NOTICE OF PERMIT ISSUANCE

BY ELECTRONIC MAIL
mhammond@swa.org

In the Matter of an
Application for Permit by:

Mr. Mark Hammond, Executive Director
Solid Waste Authority of Palm Beach County
7501 North Jog Road
West Palm Beach, FL 33412

DEP File No. 0049505-004-SO
Palm Beach County
SW- Central County Transfer Station
WACS ID: 065564
Permit Files

Dear Mr. Hammond:

Enclosed is Permit Number 0049505-004-SO for renewal to continue operation of a Solid Waste Management Facility issued pursuant to Sections 403.087, Florida Statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is filed in accordance with sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399 3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by other persons must be filed within fourteen days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3),

F.A.C., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information.

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;

(d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;

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

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

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

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation under Section 120.573 of the Florida Statutes is not available for this proceeding.

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Should you have any questions, please contact Mr. Amede Dimonnay of this office, telephone number (561)681-6667.

Executed in Palm Beach County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

_____10/28/2011_____
Jill S. Creech, P.E. Date
Southeast District Director

JWL/AT/ad

Copies furnished electronically to:

Mark McLean, SWA, mmclean@swa.org
Phillip R. Dover, P.E., BCEE, Brown and Caldwell, PDover@BrwnCald.com
MaryBeth Morrison, SWA, mmorrison@swa.org
Art Torvela, P.E., SED, art.torvela@dep.state.fl.us
Richard Tedder, P.E., SW/TLH MS 4565 –Richard.Tedder@dep.state.fl.us
Tor Bejnar, SW/TLH, Tor.Bejnar@dep.state.fl.us

Florida Department of Environmental Protection

Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401
561-681-6600

Permit Issued to:

Permittee Name: Solid Waste Authority of Palm Beach County, ("SWA")
7501 North Jog Road
West Palm Beach, Florida, 33412

561-640-4000

Facility WACS ID No.: 065564
Facility Name: Central County Transfer Station ("CCTS")
Facility Address: 1810 Lantana Road
Lantana, Florida 33417

Contact Person:
Mr. Mark Hammond, Executive Director
7501 North Jog Road
West Palm Beach, FL 33412
mhammond@swa.org
561-640-4000

Solid Waste Renewal Permit – Waste Processing Facility
Permit No.: 0049505-004-SO
Permit Modification No.: [Not applicable]
Replaces Permit No.: 0049505-003-SO

Permit Issued: [October 28, 2011]
Permit Renewal Application Due Date: date prior to 61 days before expiration
Permit Expires: [October 27, 2016]

Permitting Authority
Florida Department of Environmental Protection
Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, Florida 33401
Phone # 561-681-6600
Fax # 561-681-6600

SECTION 1 - SUMMARY INFORMATION

A. Authorization

The permittee is hereby authorized to operate a waste processing facility in accordance with the specific and general conditions of this permit and any documents attached to this permit or specifically referenced in this permit and made a part of this permit.

This solid waste operation permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-701.

This permit does not relieve the permittee from complying with any other appropriate local zoning or land use ordinances or with any other laws, rules or ordinances. Receipt of any permit from the Department does not relieve the applicant from obtaining other federal, state, and local permits and/or modifications required by law, including those from other sections within the Department or of the Water Management District.

B. Facility Location

The main entrance of the facility is located at 1810 Lantana Road, Lantana, Florida 33417, specifically in Sections 4: Township 45S: Range 43E. The latitude is north 26 degrees 35 minutes and 7.4 seconds and west longitude 80 degrees 04 minutes and 15.21 minutes.

C. Facility Description

The permittee, SWA, is authorized to continue operation of a waste processing facility as a transfer station for Class I solid waste. The anticipated average waste processing rate for this facility is 3,000 tons per day maximum. Actual operating rates may vary depending on business conditions. The permittee offers free compost to the residents of Palm Beach County at this facility.

D. Appendices Made Part of This Permit

APPENDIX 1 - General Conditions

APPENDIX 2 – Approved Application Documents

APPENDIX 3 – Water Quality Monitoring Plan [N/A]

E. Attachments for Informational Purposes Only [N/A]

ATTACHMENT 1 - Time Sensitive Action Chart [N/A]

ATTACHMENT 2 - Facility Permit History [N/A]

SECTION 2 - SPECIFIC CONDITIONS

A. Administrative Requirements

1. Documents Part of This Permit. The permit application **as finally revised, replaced or amended** in response to the Department's Request(s) for Additional Information are contained in the Department's files and are made a part of this permit. Those documents that make up the complete permit application are listed in APPENDIX 2.

2. Permit Modification. Any change to construction, operation or monitoring requirements of this permit may require a modification to this permit, in accordance with the provisions of Rule 62-701.320(4), F.A.C.

3. Permit Renewal. In order to ensure uninterrupted operation of this facility, a timely and sufficient permit renewal application must be submitted to the Department in accordance with Rule 62-701.320(10), F.A.C. A permit application submitted at least 61 days prior to the expiration of this permit is considered timely and sufficient.

4. Transfer of Permit or Name Change. In accordance with Rule 62-701.320(11), F.A.C., the Department must be notified in writing within 30 days: (1) of any sale or conveyance of the facility; (2) if a new or different person takes ownership or control of the facility; or (3) if the facility name is changed.

B. Construction Requirements

There is no construction for this facility.

C. Operation Requirements

1. General Operating Requirements. The Permittee shall operate the facility in accordance with the approved Operation Plan. The Department shall be notified before any changes, other than minor deviations, to the approved Operation Plan are implemented in order to determine whether a permit modification is required.

2. Authorized Waste and Material Types. The facility is authorized to manage only the following:
    a) Class I waste as defined in Rule 62-701.200, F.A.C.
    b) Class III waste as defined in Rule 62-701.200, F.A.C.
    c) Construction and demolition debris as defined in Rule 62-701.200, F.A.C.
    d) Recovered materials as defined in Rule 62-701.200, F.A.C.

3. Unauthorized Waste Types. The facility is not authorized to accept or manage any waste types not listed in C.2. above. Any unauthorized waste inadvertently received by the facility shall be managed in accordance with the approved Operation Plan.

4. Facility Capacity. If the facility has reached its permitted capacity for storage of wastes or recyclable materials, the permittee shall not accept additional waste for processing until sufficient capacity has been restored.

5. Contingency Plan and Notification of Emergencies. The Permittee shall notify the Department in accordance with the approved Contingency Plan. Notification shall be made to the Solid Waste Section of DEP's Southeast District Office at 400 North Congress Avenue, Suite 200 West Palm Beach, Fl 33401.

6. Housekeeping. The facility shall be operated to control dust, vectors, litter and objectionable odors.

7. Putrescible Wastes. Putrescible waste shall be removed for disposal within 48 hours; however, if the operation plan includes provisions to control vectors and odors, putrescible wastes may be stored for up to seven days. Areas where waste is stored or processed shall be cleaned at least weekly to prevent odor or vector problems, and all drains and leachate conveyances shall be kept clean so that leachate flow is not impeded.

8. Hazardous Waste. If any regulated hazardous wastes are discovered to be deposited at the facility, the facility operator shall promptly notify the Department, the person responsible for shipping the wastes to the facility, and the generator of the wastes, if known. The area where the wastes are deposited shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the facility operator shall assure the cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility. In the event that hazardous wastes are discovered they shall be managed in accordance with the procedures provided in facility Operation Plan.

9. Tipping and Processing. Tipping and processing of solid waste shall be conducted inside the Waste Processing Building. At no time shall solid waste be allowed to be stored or processed outside the confines of this Building with the exception of yard trash/vegetative debris. Compost is allowed to be stored outdoors in small quantity for residential pickup.

10. Record Keeping. Operational records shall be maintained to include a daily log of the quantity of solid waste received, processed, stored, and removed from the site for recycling or disposal, and the county of origin of the waste, if known. These records shall include each type of solid waste, recovered materials, residuals, and unacceptable waste which is processed, recycled, and disposed. Such records shall be compiled on a monthly basis and shall be available for inspection by the Department. Records shall be retained at the facility for three years in accordance with Section 62-701.710(9)(a).

11. Trained Operator/Spotter. A trained operator or trained spotter shall be on duty whenever the facility is operating. At least one trained spotter or trained operator shall be on duty at all times that waste is received at the site to inspect the incoming waste. Operators and spotters shall be trained in accordance with Rule 62-701.320(15), F.A.C.

D. Water Quality Monitoring Requirements

There is no ground water monitoring requirements for this facility.

E. Gas Management System Requirements

There are no gas management requirements for this facility.

F. Closure Requirements

1. General Closure Requirements. The Permittee shall close the waste processing facility in accordance with the provisions of the approved Closure Plan. The Department shall be notified before any changes, other than minor deviations, to the approved Closure Plan are implemented in order to determine whether a permit modification is required.

2. Notifications. The Permittee shall notify the Department prior to ceasing operations, and shall submit a written certification to the Department when closure is complete.

G. Financial Assurance and Cost Estimates

1. Cost Estimates and Financial Assurance. The permittee is not required to provide proof of financial assurance as long as the transfer station accepts primarily waste identified in this permit, manages waste on a first-in, first-out basis, and stores waste for no greater than 7 days. Within 30 days of any of these conditions ceasing to be met, a closing cost estimate that meets the requirements of Rule 62-701.710(7), F.A.C. shall be submitted to the permitting office. Proof of financial assurance must be submitted in the time frames required by 62-701.630(5) or (6), F.A.C., as applicable. Cost estimates and financial assurance mechanisms, once established, shall be maintained in accordance with the requirements of Rule 62-701.710(7), F.A.C.

Executed in Palm Beach County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Jill S. Creech, P.E.
Southeast District Director

FILED, on this date, pursuant to Section §120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

10/28/2011
Date

Enclosures:
Appendix 1: General Conditions
Appendix 2: List of Documents Incorporated into the Permit

APPENDIX 1
GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

   a. A description of and cause of noncompliance; and

b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit or a copy thereof shall be kept at the work site of the permitted activity.

12. When requested by the Department, the permittee shall, within a reasonable time, furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX 2
List of Documents Incorporated into the Permit

1. Solid Waste Authority of Palm Beach County, North County Transfer Station Waste Processing Operations Permit Renewal Application, prepared by Phillip R. Dover, P.E., Brown and Caldwell, dated September 28, 2011. Received and stamped September 29, 2011 - DEP Southeast District.

2. Permit Application Completion letter from Southeast District – DEP dated October 13, 2011.

DEP Form # 62-761.900(6)
Form Title Incident Notification Form
Effective Date: July 13, 1998

Incident Notification Form

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 50-8942739 **2. Date of form completion:** 8/4/14

3. General information

Facility name: Central County Transfer Station
Facility Owner or Operator: Solid Waste Authority of Palm Beach County
Contact Person: David Broten Telephone number: (561)640-4000 County: Palm Beach
Facility mailing address: 7501 N. Jog Road West Palm Beach Florida, 33412
Location of incident (facility street address): 1810 Lanatana Road, Lantana Florida, 33462
Latitude and Longitude of incident (If known.)

4. Date of Discovery of incident: 8/4/14 month/day/year

5. Monitoring method that indicates a possible release or an incident: (check all that apply)

[ ] Liquid detector (automatic or manual)	[ ] Groundwater samples	[ ] Closure
[ ] Vapor detector (automatic or manual)	[ ] Monitoring wells	[ ] Inventory control
[ ] Tightness test	[ ] Internal inspection	[ ] Statistical Inventory Reconciliation
[ ] Pressure test	[ ] Odors in the vicinity	[ ] Groundwater analytical samples
[ ] Breach of integrity test	[ ] Automatic tank gauging	[ ] Soil analytical tests or samples
[✓] Visual observation	[ ] Manual tank gauging	[ ]Other

6. Type of regulated substance stored in the storage system: (check one)

[✓] Diesel	[ ] Used\waste oil	[ ] New/lube oil
[ ] Gasoline	[ ] Aviation gas	[ ] Kerosene
[ ] Heating oil	[ ] Jet fuel	[ ] Other

[ ] Hazardous substance - includes CERCLA substances, pesticides, ammonia, chlorine, and their derivatives, and mineral acids.
(write in name or Chemical Abstract Service (CAS) number)

7. Incident involves or originated from a: (check all that apply)

[✓] Tank [ ] Unusual operating conditions [ ] Dispensing equipment [ ] Pipe [ ] Overfill protection device
[ ] Piping sump [ ] Release detection equipment [✓] Secondary containment system [ ] Other [ ] Dispenser Liners
[ ] Loss of >100 gallons to an impervious surface other than secondary containment [ ] Loss of >500 gallons within secondary containment

8. Cause of the incident, if known: (check all that apply)

[ ] Overfill (<25 gallons)	[✓] Spill (<25 gallons)	[ ] Theft	[ ] Corrosion
[ ] Faulty Probe or sensor	[✓] Human error	[ ] Installation failure	[ ] Other

9. Actions taken in response to the incident: See attachment.

10. Comments: See attachment.

Because no product was released to the environment, the SWA is requesting that the Incident Notification Form be closed.

11. Agencies notified (as applicable):

[ ] Fire Department. [✓] Local Program [ ] DEP (district/person)

12. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

David Broten
Printed Name of Owner, Operator or Authorized Representative

David Broten
Signature of Owner, Operator or Authorized Representative.

9. While "polishing" the diesel fuel in the 12,000 gallon concrete encased, double-walled tank, instead of re-circulating the fuel back into the tank, SWA personnel inadvertently place the discharge end of the pump into a port that was connected to the tank interstice. As the tank emptied, the interstice filled. Eventually, the internal tank became buoyant and lifted off the lid that sealed the concrete secondary containment. See attached photo. Once the lid began to lift off, personnel realized what was occurring and immediately turned off the pump. Approximately 15 gallons of diesel fuel spilled onto the impervious concrete surface surrounding the tank. The fuel was quickly cleaned up and at no time did any fuel reach soils or storm drains. **Because no product was released to the environment, the SWA is requesting that the Incident Notification Form be closed.**

10. The tank manufacturer was contacted and upon their instructions, the plan is to empty the tank, clean the interstitial of product, and reapply a manufacturer recommended caulking that seals the concrete lid of the secondary containment. Once these steps have been completed, a vacuum will be applied to the interstice for 24 hours. If the vacuum holds, then it can be assumed that none of the internal components, including the bladder lining, were damaged and the tank will be deemed ready for use.

11. Palm Beach County Department of Environmental Resource Management Tanks division and Wellfield program were notified of this incident on August 4, 2014.

Patrick Wille

From: David Broten [dbroten@swa.org]
Sent: Tuesday, August 05, 2014 9:44 AM
To: Patrick Wille; Samantha Pucci; Amanda Krupa
Cc: Marybeth Morrison; Mark L. McLean
Subject: Solid Waste Authority INF
Attachments: 201408050934.pdf

Attached, please find the FDEP Incident Notification Form in reference to the incident that occurred at the Solid Waste Authority Central County Transfer Station on August 4, 2014.

If you have any questions or require additional information, please contact me at 640-4000 ext 4615.

Thank you,

David Broten
Environmental Programs Coordinator
Solid Waste Authority of Palm Beach County

Solid Waste Authority Central County Transfer Station

12,000 gallon, double-walled diesel fuel tank

August 4, 2014

Department of Environmental Resources Management
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2743
(561) 233-2400
FAX: (561) 233-2414
www.pbcgov.com/erm

February 25, 2019 By Email: *AKrupa@swa.org*

Amanda Krupa, Environmental Program Coordinator
Solid Waste Authority of Palm Beach County
7501 North Jog Road
West Palm Beach, FL 33412-2414

RE: IN COMPLIANCE LETTER
Solid Waste Authority of Palm Beach County-Central Transfer Station, 1810 Lantana Rd., Lantana
DEP Facility ID #8942739
Palm Beach County – Storage Tanks

Dear Ms. Krupa:

A storage tanks inspection and file review were conducted at the above noted facility on or about January 14, 2019, by the Palm Beach County Department of Environmental Resources Management. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the storage tank rules and regulations.

The County appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact me at (561) 681-3859 or email, rdusky@pbcgov.org.

Sincerely,

Roberta L. Dusky
Storage Tank Program Supervisor
Resources Protection

rld:kw:kle

Site #9
CSX Railroad
Railroad Right of Way

No Regulatory Files For This Site