

## **CITY PLANNING BOARD**

### **BOARD AGENDA**

Planning Board Regular Meeting - Tuesday, November 13, 2018 - 6:00 p.m.  
City Hall - City Commission Chambers, 100 North U.S. #1, Fort Pierce, Florida

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **CONSIDERATION OF ABSENCES**
5. **APPROVAL OF MINUTES**
  - a. Minutes from the October 9, 2018 meeting
6. **NEW BUSINESS**
  - a. Future Land Use Map Amendment - We Buy Scrap - 1237 Grose Road and 3340 Enterprise Road
  - b. Conditional Use - RG Towers - 2006 Orange Avenue
  - c. Conditional Use - Florida Nexus Park - 2765 Peters Road
7. **BOARD COMMENTS**
8. **ADJOURNMENT**

Any person seeking to appeal any decision by the Planning Board with respect to any matter considered at this meeting is advised that a record of proceedings is required in any such appeal and that such person may need to insure that a verbatim record of the proceedings is made including the testimony and evidence upon which the appeal is to be based.

Persons who require special accommodations under the Americans with Disabilities Act (ADA) should contact (772) 467-3729, at least five (5) days prior to the meeting. Persons who are hearing or speech impaired may use the Florida Relay System by dialing 711.



**Planning Board**

**5.a.**

Meeting Date: 11/13/2018

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Information

REQUESTED ACTION

Minutes from the October 9, 2018 meeting

LOCATION

RESPONSIBLE STAFF

RECOMMENDATION

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Attachments

Planning Board Minutes 10.9.18

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**Form Review**

Form Started By: Alicia Rosenthal

Started On: 10/17/2018 03:41 PM

Final Approval Date: 11/01/2018

# DRAFT



## CITY OF FORT PIERCE PLANNING BOARD

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### Planning Board Minutes

OF THE REGULAR MEETING OF THE FORT PIERCE CITY PLANNING BOARD HELD ON TUESDAY, **OCTOBER 9, 2018**, IN FORT PIERCE CITY HALL, COMMISSION CHAMBERS, 100 NORTH US HIGHWAY 1, FORT PIERCE, FLORIDA.

1. CALL TO ORDER
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL

Jovona Parker, newest Planning Board member, told the Board a little bit about herself.

Present: **Gloria Johnson-Scott; Bob Burdge; Jovona Parker; Michael Broderick; Tim O'Connell; Brian Paul; Frank Creyaufmiller, Chairman**

Staff Present: **Benjamin Bryan, Interim City Attorney  
Rebecca Grohall, Planning Director  
Jack Andrews, City Engineer  
Brandon Creagan, Planner  
Alicia Rosenthal, Executive Assistant**

4. CONSIDERATION OF ABSENCES

All members were in attendance.

5. APPROVAL OF MINUTES

- a. Minutes from the September 11, 2018 meeting

**Motion was made by Michael Broderick, and seconded by Tim O'Connell to approve the minutes from the September 11, 2018 meeting.**

**AYE: Jovona Parker, Michael Broderick, Tim O'Connell, Brian Paul, Gloria Johnson-Scott, Bob Burdge, Chairman Frank Creyaufmiller**

Passed

**6. NEW BUSINESS**

**a. Half-Cent Sales Tax Presentation**

Mr. Andrews gave an overview of the Half-Cent Sales tax proposal and answered questions from the Board on the oversight committees, benefits from county road projects, matching funds and increase cost per family.

**b. Annexation - Oleander Properties, LLC - 702 Revels Lane**

Mr. Creagan gave an overview of the application and answered questions from the Board on the density and number of dwelling units.

No one spoke for or against the application.

**Motion was made by Michael Broderick, and seconded by Tim O'Connell to forward a recommendation of approval for the proposed annexation to the City Commission.**

**AYE: Michael Broderick, Tim O'Connell, Brian Paul, Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Chairman Frank Creyaufmiller**

Passed

**c. Rezoning - Civic Professionals Plaza - 2201 S. 25th Street**

Mr. Creagan gave an overview of the application and answered questions from the Board regarding the nature of the pharmacy and conditions that would allow for medical marijuana.

Brad Currie, Applicant Representative from EDC, provided additional details on the pharmacy and he explained that there is no intent to sell medical marijuana at the pharmacy.

**Motion was made by Tim O'Connell, and seconded by Michael Broderick to forward a recommendation of approval to the City Commission.**

**AYE: Tim O'Connell, Brian Paul, Michael Broderick, Chairman Frank Creyaufmiller**

**NAY: Gloria Johnson-Scott, Bob Burdge, Jovona Parker**

Passed

**d. Conditional Use - Doster Dwelling Rental - 355 S. Ocean Drive #802**

Item 6d and Item 6e were presented together. Ms. Grohall gave an overview of the applications and answered questions from the Board on parking.

No one spoke for or against the applications.

**Motion was made by Gloria Johnson-Scott, and seconded by Michael Broderick to forward a recommendation to approve the request with the following conditions:**

- 1) The maximum occupancy ensures compliance with City Code Section 8.5-43. - Required space in dwelling units, based upon the size of each unit;**
- 2) Registration of the property manager accessible at all times, to resolve complaints or violations of City Code;**
- 3) Issuance of guide booklets (available from Code Enforcement) for renters regarding local rules**

- and public service resources to minimize conflicts; and
- 4) The applicant files for and obtains St. Lucie County & City of Fort Pierce Business Tax Licenses within thirty (30) days of Conditional Use approval.
- 5) Limit of no more than 2 vehicles.
- 6) Include the City of Fort Pierce Business Tax License number on all advertising.

AYE: **Brian Paul, Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Michael Broderick, Tim O'Connell, Chairman Frank Creyaufmiller**

Passed

e. **Conditional Use - McCann Dwelling Rental - 355 S. Ocean Drive #803 & Cabana-15**

**Motion was made by Michael Broderick, and seconded by Gloria Johnson-Scott to forward a recommendation to approve the request with the following conditions:**

- 1) The maximum occupancy ensures compliance with City Code Section 8.5-43. - Required space in dwelling units, based upon the size of each unit;
- 2) Registration of the property manager accessible at all times, to resolve complaints or violations of City Code;
- 3) Issuance of guide booklets (available from Code Enforcement) for renters regarding local rules and public service resources to minimize conflicts; and
- 4) The applicant files for and obtains St. Lucie County & City of Fort Pierce Business Tax Licenses within thirty (30) days of Conditional Use approval.
- 5) Limit of no more than 2 vehicles.
- 6) Include the City of Fort Pierce Business Tax License number on all advertising.

AYE: **Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Michael Broderick, Tim O'Connell, Brian Paul, Chairman Frank Creyaufmiller**

Passed

f. **Conditional Use - Sunrise Country Pre-School - 2706 Sunrise Boulevard**

Mr. Creagan gave an overview of the application and answered questions from the Board on student capacity, classroom expansion and school signage. Mr. Creagan explained that the landscape buffering has been addressed since the Conceptual Site Plan.

Ms. Grohall explained that the reduced footprint of the proposed preschool was included in the approved Conceptual Site Plan and the expansion consists of 5 classrooms and each classroom will serve no more than 20 students.

Ms. Parker recused herself from the vote.

**Motion was made by Bob Burdge, and seconded by Tim O'Connell to forward a recommendation of approval to the City Commission.**

AYE: **Bob Burdge, Michael Broderick, Tim O'Connell, Brian Paul, Gloria Johnson-Scott, Chairman Frank Creyaufmiller**

Other: **Jovona Parker (RECUSE)**

Passed

**g. Site Plan & Conditional Use - The Manor ALF - 4201 S. 25th Street**

Ms. Grohall gave an overview of the application and answered questions from the Board on lot coverage, number of units and traffic impact.

Tiffany Rink, Applicant, provided additional information on services the facility will offer, number of residences and staff members and she explained that most patients will not drive.

Ms. Parker addressed concerns with traffic impact.

Rich Ladyco, Project Engineer from Ladyco Design Group, explained a traffic statement was submitted and reviewed and the number of trips generated by the facility is extremely small and the traffic impacts are basically nil.

**Motion was made by Bob Burdge, and seconded by Gloria Johnson-Scott to forward a recommendation of approval of the application with the following conditions:**

- 1) Please provide secured access for the pedestrian access entrances of the refuse collection area.**
- 2) Please provide updated architectural elevations with the identified building height, prior to city commission. (Note: Per City Code Section 22-29. Office Commercial Zone; No building shall exceed a height of sixty-five (65) feet above grade.)**

**AYE: Michael Broderick, Tim O'Connell, Brian Paul, Gloria Johnson-Scott, Bob Burdge, Chairman Frank Creyaufmiller**

**NAY: Jovona Parker**

Passed

**h. Abandonment - Delaware Avenue R.O.W. - Crownman, FL, LLC & Susnar Realty**

Mr. Creagan gave an overview of the application and answered questions from the Board on development of the property and FPUA easements.

Kris Einstein, Owner and Applicant, provided additional information on the property and explained the property would be used for parking and it cannot be built on.

Dr. Ronald Lyman, Resident, provided the Board a handout and spoke against the application. He stated for over a decade they have maintained the city right-of-way. Dr. Lyman said the city made a contract with them, and allowed them to put a water line underneath the road from their sprinkler system to maintain the area.

The Board asked Mr. Lyman and the City if they have the contract.

Ms. Einstein explained there is no access to the river from the property because it is overgrown and there is no intentions of building a marina.

Ms. Grohall stated the city property would be maintained by the city Public Works team and if there is a contract stating something different it would have to be searched out. Ms. Grohall explained if there is a pipe under the surface the engineering department is seeking a replacement easement to protect the ability to maintain the pipe and keep it going.

Mr. Bryan explained the city needs to determine if there is a contract and read what it says. Mr. Bryan stated the Board has the option of tabling the item, or alternatively, by the time it goes to the Commission, the city can establish if there was a contract.

Ms. Grohall stated without seeing and understanding exactly what the contract says and entails we will need to work with the engineering department a little closer because they also did not provide that information to us.

Mr. Bryan asked the applicant if there is any time constraints if the application was tabled for a month. Ms. Einstein asked that the application move forward to City Commission.

Board discussion ensued regarding incorporating a condition into the approval about researching the contract.

Mr. Bryan suggested that the Board vote as if the contract is not there, and recognize there may be something out there that legally could change the matter and what impact it would have if any.

**Motion was made by Michael Broderick, and seconded by Gloria Johnson-Scott to forward a recommendation of approval for the requested abandonment to the City Commission with the following conditions:**

- 1. That the easement for Fort Pierce Utilities Authority is recorded at the time of abandonment.**
- 2. That the City Attorney's office, Planning department, and Engineering department has the opportunity to review any existing contractual obligations between the adjacent property owner, indicating a contractual relationship exists between the city and the property owner for providing some type of services to the property and that the review by the City Attorney's office, Planning department, and Engineering department would be satisfactory to relieve any concerns they have making a recommendation of approval to the City Commission.**

**AYE: Michael Broderick, Brian Paul, Gloria Johnson-Scott, Bob Burdge, Chairman Frank Creyaufmiller**

**NAY: Tim O'Connell, Jovona Parker**

Passed

**i. Waiver of Distance (2COP) - Alabon Haitian Restaurant - 1409 Delaware Avenue**

Mr. Creagan gave an overview of the application and answered questions from the Board on lighting and the City of Fort Pierce Police department Technical Review Committee comments.

No one spoke for or against the application.

**Motion was made by Bob Burdge, and seconded by Tim O'Connell to forward a recommendation to the City Commission for approval of the requested Waiver of Distance for a 2COP Alcoholic Beverage License for the proposed establishment with the following conditions:**

- 1. Provide a lighting plan or photometric survey that demonstrates compliance with City Code 22-60(j)(1)(d) prior to the City Commission Meeting.**
- 2. Provide a Landscape Plan that demonstrates compliance with City Code 22-187, General Landscaping Requirements prior to the City Commission Meeting**
- 3. Provide a site plan that details where the parking will be located on site and show that the parking is compliant with City Code 22-60, Off Street Parking and Loading.**

**AYE: Tim O'Connell, Brian Paul, Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Michael Broderick, Chairman Frank Creyaufmiller**

Passed

## **7. ELECTION OF CHAIR AND VICE-CHAIR**

Mr. Creyaufmiller asked the procedure for electing a secretary to the Board. Ms. Grohall stated typically the administrative assistant has been appointed to fulfill the Florida State public records rules, but in theory the position can be appointed. Ms. Grohall explained that in time, the position has gone away due to the public records requirements of keeping the attendance and minutes.

Chairman Creyaufmiller suggested the Board forego the election of secretary and it was objected by Mr. Burdge so an election of secretary was held.

**Motion was made by Michael Broderick, and seconded by Tim O'Connell to nominate Frank Creyaufmiller as Chair.**

**AYE: Brian Paul, Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Michael Broderick, Tim O'Connell, Chairman Frank Creyaufmiller**

Passed

**Motion was made by Bob Burdge, and seconded by Michael Broderick to nominate Tim O'Connell as Vice-Chair.**

**AYE: Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Michael Broderick, Tim O'Connell, Brian Paul, Chairman Frank Creyaufmiller**

Passed

**Motion was made by Bob Burdge, and seconded by Brian Paul to elect Ms. Rosenthal as secretary.**

**AYE: Gloria Johnson-Scott, Bob Burdge, Jovona Parker, Tim O'Connell, Brian Paul, Chairman Frank Creyaufmiller**

**NAY: Michael Broderick**

Passed

## **8. BOARD COMMENTS**

Chairman Creyaufmiller provided the Board with information on an educational seminar he attended on Planning issues and Planning Boards and he also spoke about the TPO meeting he attended regarding the Brightline station in Fort Pierce and interchanges on the Florida turnpike that would have a great effect on Fort Pierce.

## **9. ADJOURNMENT**

**Planning Board**

**6.a.**

Meeting Date: 11/13/2018

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Information

REQUESTED ACTION

Future Land Use Map Amendment - We Buy Scrap - 1237 Grose Road and 3340 Enterprise Road

LOCATION

1237 Grose Road & 3340 Enterprise Road

RESPONSIBLE STAFF

Brandon Creagan, LEED Green Associate, Planner

RECOMMENDATION

Approve

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Attachments

Staff Report

Application and Supporting Documents

Aerial Map

TRC Comments

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**Form Review**


Form Started By: Brandon Creagan


Started On: 10/31/2018 04:09 PM

Final Approval Date: 11/01/2018



**TO:** Members of the City of Fort Pierce Planning Board

**THROUGH:** Rebecca Grohall, AICP, Planning Director 

**FROM:** Brandon Creagan, LEED Green Associate, Planner 

**RE:** **Future Land Use Map Amendment – Industrial (I)  
 We Buy Scrap – 1237 Grose Road & 3340 Enterprise Road**

**DATE:** October 30, 2018

**STAFF REPORT**

**Property Owner:** H & S Citrus Inc. (Robert Deery)  
 3340 Enterprise Road  
 Fort Pierce, FL 34982

**Applicant:** We Buy Scrap  
 1141 Old Okeechobee Road  
 West Palm Beach, FL 33401

**Representative:** Frogner Consulting, LLC  
 3402 SE Clubhouse Place  
 Stuart, FL 34997

**Requested Action:** Recommendation of Approval to the City Commission for a Future Land Use Map Amendment from St. Lucie County IND, Industrial to City of Fort Pierce I, Industrial (Parcel: 2428-502-0033-000-1). Recommendation of Approval to the City Commission for a Future Land Use Map Amendment from INST, Institutional to I, Industrial (Parcel: 2428-502-0035-000-5)

**Site Location:** 1237 Grose Road & 3340 Enterprise Road

**Parcel IDs:** 2428-502-0033-000-1, 2428-502-0035-000-5

**Existing Use:** Former Citrus Processing Facility (Closed in 2012)

**Parcel Size:** 3.86 Acres

**Current Zoning:** I-1, Light Industrial

**Future Land-Use:** IND, Industrial (SLC) & INST, Institutional (FP)

**Proposed Future Land Use:** I, Industrial

**Surrounding Future Land Use:**

North	East	South	West
IND (SLC) I (FP)	IND (SLC)	I (FP)	I (FP)

**Staff Analysis:**

The applicant is requesting the approval of two Future Land Use Map Amendments. The first is for a parcel of land that is approximately 2.42 acre in total size, and located at 1237 Grose Road (Parcel ID: 2428-502-0033-000-1). The second parcel is approximately 1.46 acres in size, and located at 3340 Enterprise Road (Parcel ID: 2428-502-0035-000-5). Both parcels are contiguous to one another and apart of the former citrus processing facility site. The applicant would like the change the Future Land Use on the parcel (2428-502-0033-000-1) from St. Lucie County IND, Industrial to City of Fort Pierce I, Industrial. This parcel was annexed into the City of Fort Pierce on December 17, 2007 under Ordinance K-706 and retained its County Industrial Future Land Use.

The applicant would also like to change the Future Land Use on the parcel (2428-502-0035-000-5) from City of Fort Pierce INST, Institutional to I, Industrial. This parcel was annexed into the City of Fort Pierce on December 17, 2007 under Ordinance K-707 and given a City of Fort Pierce Future Land Use designation of INST, Institutional. Both request to change the Future Land Use are consistent with the other Future Land Uses in the area which are all predominantly designated City of Fort Pierce I, Industrial, or St. Lucie County IND, Industrial.

**Proposed Amendments & District Comparison:**

Table 1 Compares the Current Future Land Use with the Proposed Future Land Use of 1237 Grose Road

Table 1: Existing and Proposed Site Data  
Parcel: 2428-502-0033-000-1

<b>Zoning</b>	<b>Existing IND (SLC)</b>	<b>Proposed I (FP)</b>
<b>Land Use Objective</b>	This land use designation is applied to specific areas of the County identified as suitable for industrial use. This land use designation is intended to be implemented through both the heavy and light industrial zoning districts, with the specific criteria for zoning application as provided for under the policies of the Future Land Use Element. Areas designated for Industrial activities must have available all necessary services and facilities prior to development, supplied by either public or private sources as permitted. In addition, developments proposing to incorporate heavy industrial uses will be required to be adequately buffered from any adjacent use that would be incompatible.	The Industrial designation is intended for parcels suitable for industrial development and to promote the City’s position as a major employment center. The uses allowed under this designation include light manufacturing and processing facilities; storage and distribution facilities; warehousing; general and intensive commercial uses; research corporate parks, large business parks and mixed use office parks; office, retail, and service uses that provide support to employees; and compatible public, quasi-public, and special uses. This land use designation allows a maximum FAR of 1.5.

<b>Residential Density (Maximum Dwelling Units Per Gross Acre)</b>	N/A	N/A
<b>Land Use Breakdown</b>	N/A	N/A

Table 2 Compares the Current Future Land Use with the Proposed Future Land Use of 3340 Enterprise Road

**Table 2: Existing and Proposed Site Data**  
Parcel: 2428-502-0035-000-5

<b>Zoning</b>	<b>Existing</b>	<b>Proposed</b>
<b>Land Use Objective</b>	<p>The Institutional designation provides for public, quasi-public and private institutional uses. Permitted uses within this designation include government buildings; private and public schools; community centers; colleges; public airports; public parking structures; major community facilities, including hospitals, non-profit medical facilities, medical facilities; religious institutions, and government offices. A maximum of 1.0 FAR is permitted.</p>	<p>The Industrial designation is intended for parcels suitable for industrial development and to promote the City’s position as a major employment center. The uses allowed under this designation include light manufacturing and processing facilities; storage and distribution facilities; warehousing; general and intensive commercial uses; research corporate parks, large business parks and mixed use office parks; office, retail, and service uses that provide support to employees; and compatible public, quasi-public, and special uses. This land use designation allows a maximum FAR of 1.5.</p>
<b>Residential Density</b>	N/A	N/A
<b>Land Use Breakdown</b>	N/A	N/A

**Comprehensive Plan**

The proposed amendment has been reviewed with regards to the established Goals, Objectives and Policies of the City’s Comprehensive Plan, with emphasis on potential impacts to the existing surrounding properties. The proposed Future Land Use map amendments are generally consistent with the goals, objectives and policies of the Comprehensive Plan as both requests are to change the Future Land Use of the respective parcels to City of Fort Pierce I, Industrial. Both of these request would help to eliminate inconsistencies with the Future Land Use in this particular area as the area is predominantly designated as City I, Industrial. It is unusual to have a parcel within the City Limits that carries a County Future Land Use designation, and to properly regulate uses on the parcel it must carry a City Future Land Use designation. The INST, Institutional Future Land Use is also an anomaly for this area as all surrounding parcels within the City Limits carry a Future Land Use designation of I, Industrial.

**Standards for Review:**

The following standards must be satisfied per Section 22-131 of the City Code prior to the approval of the requested amendment:

- (1) The amendment is consistent with the comprehensive plan;
- (2) The amendment will not have an adverse effect on the ability of the city to:
  - a. Satisfy land and water use needs; and
  - b. Meet transportation demands and provide community facilities and services; and
- (3) The amendment will promote and protect the public health, safety and general welfare.

As stated previously these proposed amendments are generally consistent with the Goals, Objectives, and Policies of the City's Comprehensive Plan. Furthermore, the amendment should not have adverse an effect on the ability of the city to satisfy land and water use needs, meet transportation demands, and provide community facilities and services. The presented amendment promotes and protects the public health, safety and general welfare through the continued conformity of like Future Land Uses around the immediate area.

**Technical Review Committee:**

All affected City Departments have reviewed the proposed Application for Future Land Use Map Amendment and have provided conditional approval based on compliance with requirements of the City Code. The comments generated from the technical review, and any responses by the applicant are provided for review.

**Staff Recommendation:**

The requested Application for Future Land Use Map Amendment meets the criteria specified in Section 22-131 of the City Code, the Comprehensive Plan, and does not adversely affect the public health, safety, convenience and general welfare; Staff recommends that the Planning Board forward a recommendation of approval to the City Commission.



## Application for Future Land Use Map Amendment

Future Land Use Map Amendment – Large Scale (>10 acres)

Future Land Use Map Amendment – Small Scale (<10 acres)

In accordance with Chapter 163.3187, Florida Statutes, The City of Fort Pierce will consider applications for land use changes on parcels in excess of 10 acres (“Large Scale Amendments”) only twice each calendar year. The City Commission will consider applications for land use changes on parcels less than or equal to 10 acres with a maximum density of 10 units per acres or less at any time during the calendar year. You are encouraged to schedule a pre-application meeting with the planning staff and to submit your application up to three months in advance of the application deadline.

### Application submission shall include the following:

- **TRC (\*Initial Submission):** One (1) original and (8) paper copies of the application and support documents and provide one (1) electronic copy of the application packet as described below.
- **Planning Board:** One (1) original and (13) paper copies of the application and support documents and provide one (1) electronic copy of the application packet as described below.
- **City Commission:** One (1) original and (11) paper copies of the application and support documents and provide one (1) electronic copy of the application packet as described below.

### In addition to a complete application, packets shall include:

- Warranty Deed & Legal Description
- St. Lucie County Property Record Card
- Statement of why there is a need for the proposed future land use map amendment and how the amendment will result in an orderly and logical development pattern; statements how amendment(s) are consistent with Comprehensive Plan; how future land use designation is compatible with future land use designations and existing land uses surrounding the amended lands; identify future land use designations and existing land uses within a ½ mile of the subject property that have the same or greater type of proposed future land use designation; data and analysis to support conclusions.
- Current Survey
- Environmental Study
- Traffic Impact Report
- \*\*\* Capacity Analysis-Separate Form
- Drainage Analysis
- Historical Report
- 1 CD of all documents submitted in PDF
- Other \_\_\_\_\_

1. Property Address/Location: \_\_\_\_\_
2. Property Tax ID(s): \_\_\_\_\_
3. Total Acreage: \_\_\_\_\_
4. Existing Future Land Use Designation: \_\_\_\_\_
5. Existing Zoning Classification: \_\_\_\_\_
6. Proposed Zoning Classification: \_\_\_\_\_
7. Other applications being submitted concurrent with this application, if any: \_\_\_\_\_  
\_\_\_\_\_
8. Describe the existing uses, improvements and structures on the amendment lands: \_\_\_\_\_  
\_\_\_\_\_
9. Are there any identified or possible historical structures on the amendment lands? \_\_\_\_\_
10. The reason for making this request: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**11. Capacity Analysis:**

**I. Site Data:**

	Existing Use	Future Land Use	Zoning
North			
South			
East			
West			

	Future Land Use	Zoning Classification	Maximum Intensity Residential: Dwelling Units per Acre Other: Square Footage	Total Acreage	Flood Zone
Current					
Proposed					N/A

**II. Public Facilities Information:**

<b>A. Potable Water:</b>	
Average Use	Residential: 100 gallons per day per person (du x 2.6= persons x 100 gpd = demand) Other: 0.125 gallons per day per square foot
Demand Analysis	Maximum
Current Zoning	Total gallons per day
Proposed Zoning	Total gallons per day
<b>Change in Demand</b>	<b>Total gallons per day</b>

<b>B. Wastewater:</b>	
Average Use	Residential: 100 gallons per day per person (du x 2.6= persons x 100 gpd = demand) Other: 0.1 gallons per day per square foot
Demand Analysis	Maximum
Current Zoning	Total gallons per day
Proposed Zoning	Total gallons per day
<b>Change in Demand</b>	<b>Total gallons per day</b>

<b>C. Parks and Recreation (Residential Classifications Only):</b> (Du x 2.6 = persons + 44,227 = population /LOS)				
Park Type	LOS	Existing Population Park Demand	Proposed Population Park Demand	Change in Demand
<b>Regional</b>	20 acres per 1,000 people			
<b>Urban District</b>	5 acres per 1,000 people			
<b>Community</b>	2.5 acres per 1,000 people			
<b>Neighborhood</b>	1.36 acres per 1,000 people			

<b>D. Public Schools (Residential Classifications Only):</b> Single Family: (du x 0.405 = students/70% K-8/30% High) Multi-family: (du x 0.207 = students/70% K-8/30% High)		
	<b>K-8</b>	<b>High</b>
<b>School Name</b>		
<b>City</b>		
<b>Distance</b>		
<b>Current Zoning Enrollment Demand</b>		
<b>Proposed Zoning Enrollment Demand</b>		
<b>Change in Demand</b>		

<b>E. Solid Waste:</b> 2 yard serves 15 units, 4 yard serves 30 units, 6 yard serves 45 units, 8 yard serves 60 units	
Demand Analysis	Maximum
Current Zoning	
Proposed Zoning	
<b>Change in Demand</b>	

<b>F. Stormwater:</b> Potential increase in volume discharged due to increased impervious coverage, reduced groundwater seepage or loss of surface water storage impacting Adopted LOS of 25-year 3-day storm Pre vs. Post Runoff (Storm sewers to convey 5 year- 1 day storm event; Canals to convey 3 year – 1 day storm event)	
<b>Impact</b>	

<b>G. Transportation Analysis:</b> Most recent ITE Code for use; HCM Roadway Capacity		
	<b>AADT</b>	<b>AM/PM Peak Hour Trips</b>
<b>Demand Analysis</b>	Maximum	Maximum
<b>Current Zoning</b>		
<b>Proposed Zoning</b>		
<b>Change in Demand</b>	Trips	Trips
<b>Impact to Capacity</b>		

12. Name of Owner(s): \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone # \_\_\_\_\_  
 E-mail: \_\_\_\_\_

13. Name of Applicant: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone # \_\_\_\_\_ Fax # \_\_\_\_\_  
 E-mail: \_\_\_\_\_

14. Name of Representative: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone # \_\_\_\_\_ Fax # \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**15. Applicant Acknowledgements (Owner’s signature must be notarized)**

I certify that: (Check One)

\_\_\_\_\_ I (we) do hereby certify that I (we) own in fee simple the above referenced described property for which a change in Zoning Classification is requested.

\_\_\_\_\_ I (we) are not the owner of the above described property; however, the owners signature below authorizes the applicants the authority to act as agent for the owner(s) of record.

Applicant's Signature

Date

Address

State

Zip

Phone

Fax

E-mail Address

16. Property Owners Acknowledgements: - This application will not be considered complete without the signature of all property owners of record, which shall serve as an acknowledgement of the submission of this application for a change in zoning classification. The property owner's signature(s) below shall also authorize the Applicant (if other than the property owner) and/or Agent to act in his/her behalf for the purposes of seeking this change to the City' Land Development Regulations for the property described herein.

H & S Citrus Inc,

(772)971-4580

Property Owner's Name (Please Print)

Phone

1237 Grose Road Fort Pierce

FL

34982

Address

State

Zip

Property Owner's Signature

Dr. Robert E. Deery, Chairman and President

Date

STATE OF FLORIDA)  
ST LUCIE COUNTY)

The foregoing instrument was acknowledged before me this 20 day of September, 2018, by Robert E. Deery who is personally known to me or has produced \_\_\_\_\_ as identification.

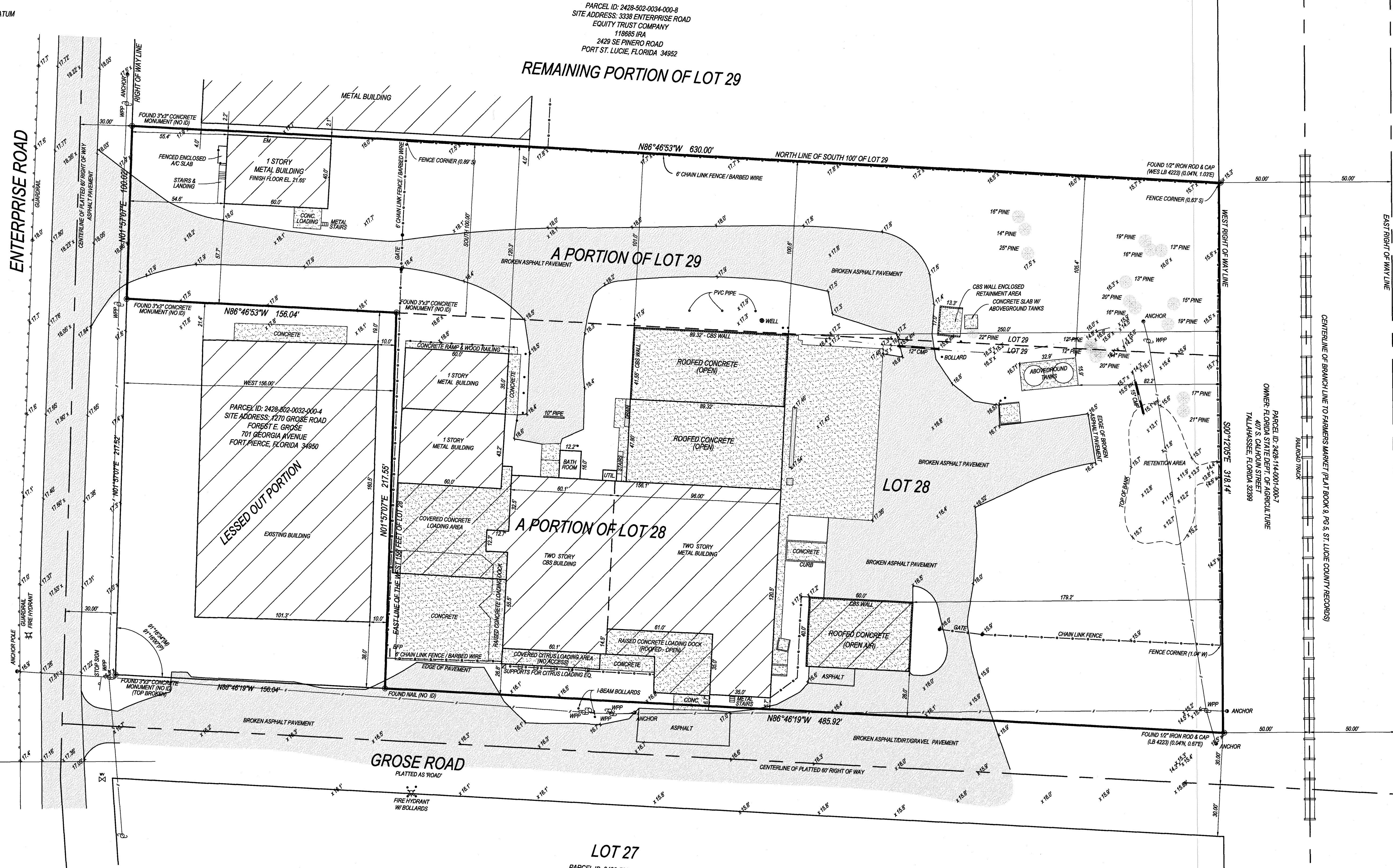
Kathleen P. Downs  
Signature of Notary

(seal)



OFFICE USE:		
DATE RECEIVED: _____	Signed: _____	
File Number: _____	Check No: _____	Receipt No: _____
TRC Review: _____	Planning Board Review: _____	City Commission: _____
Ordinance No: _____	Date Approved: _____	

**LEGEND:**  
 ID = IDENTIFICATION  
 NAVD = NORTH AMERICAN VERTICAL DATUM  
 EL = ELEVATION  
 x 0.00' = SPOT ELEVATION  
 BFP = BACKFLOW PREVENTOR VALVE  
 ACQ = AIR CONDITIONER  
 CONC. = CONCRETE  
 (P) = PLAT  
 (M) = MEASURED  
 CMP = CORRUGATE METAL PIPE  
 WPP = WOOD POWER POLE  
 -/- = OVERHEAD UTILITIES



PARCEL ID: 2428-502-0034-000-8  
 SITE ADDRESS: 3338 ENTERPRISE ROAD  
 EQUITY TRUST COMPANY  
 118685 IRA  
 2429 SE PINERO ROAD  
 PORT ST. LUCIE, FLORIDA 34952

PARCEL ID: 2428-502-0032-000-4  
 SITE ADDRESS: 1270 GROSE ROAD  
 FOREST E. GROSE  
 701 GEORGIA AVENUE  
 FORT PIERCE, FLORIDA 34950

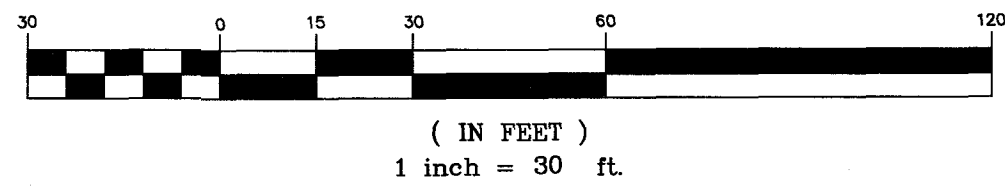
LOT 27  
 PARCEL ID: 2428-502-0028-000-0  
 SITE ADDRESS: 3402 ENTERPRISE ROAD  
 SOUTHERN BELL TELEPHONE  
 PO BOX 7207  
 BEDMINSTER, NJ 07921

**LEGAL DESCRIPTION:**  
 LOT 28, LESS THE WEST 158.00 FEET THEREOF, OF THE PLAT ENTITLED "INDUSTRIAL SUBDIVISION", PLAT BOOK 9, PAGE 5 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.  
 TOGETHER WITH THE SOUTHERLY 100 FEET OF LOT 29, INDUSTRIAL SUBDIVISION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 9, PAGE 5, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

**SURVEYOR'S NOTES:**  
 1. NO ATTEMPT WAS MADE BY THIS FIRM TO LOCATE UNDERGROUND UTILITIES OR ADJACENT TO THIS SITE. THE APPROXIMATE LOCATION OF ALL UTILITIES SHOWN HEREON WERE TAKEN FROM ASBUILT DRAWINGS AND/OR ON-SITE LOCATION AND SHOULD BE VERIFIED BEFORE CONSTRUCTION.  
 2. NO ATTEMPT WAS MADE BY THIS FIRM TO LOCATE UNDERGROUND FOOTINGS OF BUILDINGS OR FENCES ON OR ADJACENT TO THIS SITE.  
 3. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR EASEMENTS AND/OR RIGHTS OF WAY OF RECORD EXCEPT AS SHOWN ON THE RECORD PLAT IF ANY.  
 4. THIS PROPERTY WAS SURVEYED WITHOUT THE BENEFIT OF A TITLE SEARCH.  
 5. ALL ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). ST. LUCIE COUNTY BENCHMARK: NAME - BOX-CUT FARMERS MARKET, ELEVATION 17.984' (NAVD 88)  
 6. THE BEARING BASE OF THIS SURVEY IS ALONG THE EAST RIGHT OF WAY LINE OF ENTERPRISE ROAD, N01°57'07"E, BASED ON FLORIDA STATE PLANE COORDINATED SYSTEM EAST ZONE, 8390 ADJUSTMENT.  
 7. LEGAL DESCRIPTION FURNISHED BY CLIENT.  
 8. ALL BEARINGS AND DISTANCES SHOWN ARE PLAT AND MEASURED UNLESS OTHERWISE NOTED.  
 9. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.  
 10. THIS SITE LIES IN FLOOD ZONE 'X' AS SCALED AND INTERPOLATED ON FEMA MAP NO. 12111C-0189-J, DATED: FEBRUARY 16, 2012.  
 11. SITE AREA: 168000.88 SQUARE FEET OR 3.86 ACRES MORE OR LESS.

# BOUNDARY and TOPOGRAPHIC SURVEY

SITE ADDRESS:  
 3340 ENTERPRISE ROAD  
 FORT PIERCE, FLORIDA 34954  
 AND  
 1237 GROSE ROAD  
 FORT PIERCE, FLORIDA 34954  
 GRAPHIC SCALE



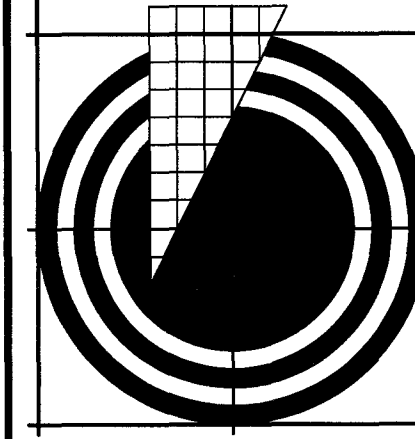
**SURVEYOR'S CERTIFICATION:**  
 I HEREBY CERTIFY THAT THIS SURVEY MAP AND/OR REPORT WAS PREPARED UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 64-17, FLORIDA ADMINISTRATIVE CODE AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

CRAG D. WATSON  
 PROFESSIONAL SURVEYOR & MAPPER  
 NO. 5847 STATE OF FLORIDA

DATE	REVISIONS	DWG	CHK

PREPARED FOR:  
**WE BUY SCRAP, INC.**

**WATSON | KILLANE**  
 SURVEYING AND MAPPING, INC.  
 2240 NE DIXIE HIGHWAY - JENSEN BEACH, FLORIDA 34957  
 PHONE 772-334-0868 - EMAIL: WATSONKILLANE@GMAIL.COM  
 LICENSED BUSINESS NO. 8241



JOB NUMBER: 18-550
FIELD DATE: 8-27-18
CHECKED BY: CDW
DRAWN BY: DPK
SCALE: 1" = 30'
<b>SHEET</b>
1 OF 1

September 22, 2018

## **INTRODUCTION**

The 3.86 acre site formerly known as H & S Citrus supports a 23,000 sf structure constructed in 1972, originally built to function as a citrus packing plant. The site is located off Enterprise Road to the west of the Farmers Market in a heavily industrialized/commercial area. Its Future Land Use designation of Industrial (IND-St Lucie County) is not consistent with the property's I-1 Light Industrial zoning district. When the City annexed the property in 2007, the zoning was changed to the city's light industrial category, however, the Future Land Use was mistakenly not changed per policy. Therefore, an application for a small scale land use change to the City of Ft Pierce land use designation of Industrial has been submitted.



The new owner operates a metal recycling facility in Palm Beach County and intends the same use on this site. A zoning confirmation letter issued by Planning staff on June 27, 2018 states, "Per City Code Section 22-22, a metal recycling facility is classified as a Waste-Related Use". In this case, the proposed waste related use will be strictly for metals; consisting of both ferrous and non-ferrous metal such as steel, aluminum and copper. The business does not process used or inoperable vehicles, construction debris or paper goods.

### 1. Consistency with the Plan

In 2006, when the citrus packing facility was in operation, the City of Ft. Pierce annexed the site from St Lucie County (SLC) into the city. The SLC zoning designation of light industrial was designated as I-1, Light Industrial by the City. The Future Land Use was not changed and therefore, the site retained the SLC FLU category of Industrial (IND). Now the applicant is seeking a conditional use to change the use for a waste-related (metal) recycling facility and must correct the FLU.

### 2. Zoning and Use

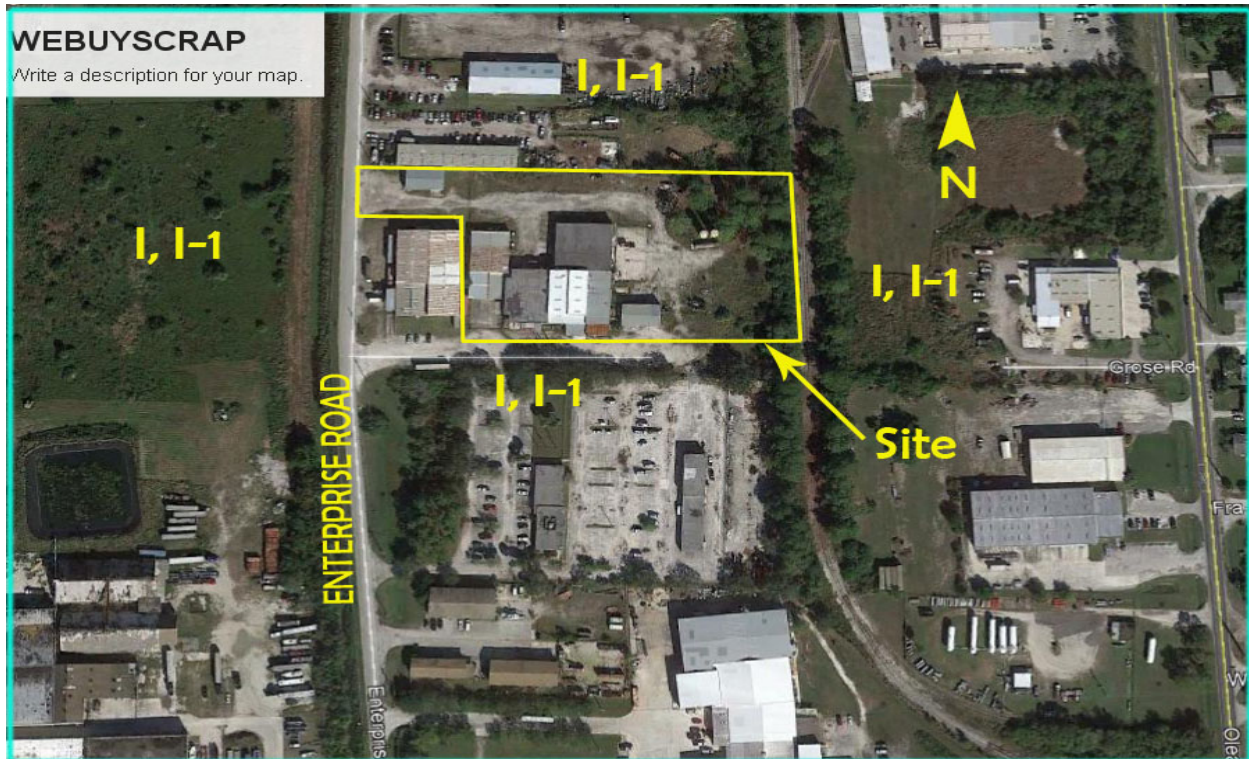
The industrial designation of I-1, Light Industrial is intended for parcels suitable for industrial development that promote employment including light manufacturing and processing facilities. The site meets or exceeds the code regulations in Section 22-34, for the I-1 district. A “waste Related” recycling facility requires a Conditional Use approval.

### 3. Compatibility with Surrounding Uses

The site is on the west side of the State Farmers Market and surrounded by industrial and service uses, including pipe manufacturing, AT&T, self-service storage facilities and manufacturing & construction related businesses. As previously noted, the SLC future land use was not changed when the annexation took place, thus the site site within the City of Ft. Pierce has a city zoning classification, this application is to remedy the “forgotten” land use change typical when annexation occurs.

The surrounding area is summarized in the aerial and chart below:

<b>Adjacent Land Use &amp; Zoning Summary</b>			
<b>Adjacent Uses</b>	<b>Existing Use</b>	<b>FLU</b>	<b>Zoning</b>
<b>North</b>	Self-storage-outdoor/indoor	I-Industrial	I-1 Light Industrial
<b>South</b>	ATT service yard	I-Industrial	I-1 Light Industrial
<b>East</b>	Contractor yard	I-Industrial	I-1 Light Industrial
<b>West</b>	Vacant industrial	I-Industrial	I-1 Light Industrial



#### **4. Environmental Performance Standards**

The proposed recycling facility will not cause smoke, fire, radiation or toxic matter on site. The facility will operate tracked backhoes, bobcats and “grabber” type machinery for loading and unloading of metal from commercial vehicles.

#### **5. Adequate Public Facilities**

The existing structure and site was used as a citrus packing facility since 1972 but closed in early 2012 and has remained vacant since then. Water and Sewer capacity for the existing site and uses are comparable in scope to the previously approved use and no new construction will occur on site from the change in use. Drainage for the site is described on the attached Drainage Statement prepared by Jonathan P. Rickitts, Inc. Engineering Consultants. Solid Waste, Parks and Recreation and Fire Rescue will verify that previously approved capacity is consistent with the proposed uses. The applicant will ensure that these agencies are satisfied prior to DRO certification. Traffic generation for the site will remain unchanged and has an insignificant impact on area roadways. Palm Tran has requested a 5' x 15' easement (set aside) for a new bus stop that connects to the Broward Transit System near the corner of 66<sup>th</sup> and Sandalfoot Blvd. The bus stop is shown on the site plan.

## **Changed Conditions or Circumstances**

There are demonstrated changed conditions or circumstances that necessitate this request as follows:

1. The site was annexed into the City of Ft Pierce in 2007. The zoning was changed from St Lucie County Industrial to the city designation of I-1, Light Industrial; however the SLC future land use designation was not changed. Therefore, this application request is more in the nature of a corrective action to ensure consistency with the city Comprehensive Plan.
2. The citrus packing facility has been closed since 2012 due to the loss of thousands of acres of citrus as well as industry trends that include a downturn in the citrus industry.

*In connection with the above summary and compliance with the Comprehensive Plan, the applicant respectfully requests approval of the Future Land Use Map Amendment from St Lucie County Industrial (IND) to the City of Ft. Pierce category of I-1, Light Industrial.*

## **DRAINAGE STATEMENT**

**Prepared for  
We Buy Scrap  
Located on  
A Portion of Lot 28 and 29 of the Plat of  
Industrial Subdivision, Plat Book 9, Page 5  
St. Lucie County, FL  
Section 28, Township 35 South, Range 40 East  
September 26, 2018**

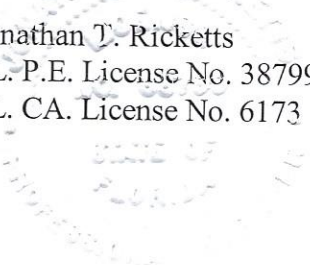
This project consists of a change in ownership for the existing warehouse buildings and adjacent asphalt areas for the property located on the above-mentioned property in St. Lucie County. The project consists of two lots whose addresses are 3340 Enterprise Road and 1237 Grose Road, Fort Pierce, Florida. The property presently serves as a packing facility for agricultural produce and was established in 1972. The property is shown on the National Flood Insurance Rate Map, 12111C0189J and has an effective date of 02/16/2012 and is within Zone X or Area of Minimal Flooding.

The proposed use will be for receiving scrap metals for sorting, packaging, and shipping to various metal recyclers. The existing site presently drains east and flows into the existing railroad right-of-way owned by the Florida State Department of Agriculture. No additional increases in buildings or asphalt or other impervious areas are anticipated; therefore, there will be no changes to the existing historic drainage flows or patterns.



9-26-2018

Jonathan T. Ricketts  
FL. P.E. License No. 38799  
FL. CA. License No. 6173



Michelle Franklin, CFA -- Saint Lucie County Property Appraiser -- All rights reserved.

**Property Identification**

Site Address: 3340 ENTERPRISE RD Map ID: 24/28S	Parcel ID: 2428-502-0035-000-5 Zoning: IL	Account #: 32241  Use Type: 4100	Sec/Town/Range: 28/35S/40E Jurisdiction: Fort Pierce
---	---	--	--

**Ownership**

George B Brown  
Robert E Derry  
Lois S Derry  
PO Box 1478  
Fort Pierce, FL 34954

**Legal Description**

INDUSTRIAL S/D SLY 100 FT OF LOT29 (1.46 AC) (OR 712-1970; 3612-657)

**Current Values**

Just/Market: \$212,900 Assessed: \$212,900  
Exemptions: \$0 Taxable: \$212,900

**Historical Values 3-year**

Year	Just/Market	Assessed	Exemptions	Taxable
2018	\$212,900	\$212,900	\$0	\$212,900
2017	\$196,600	\$196,600	\$0	\$196,600
2016	\$189,800	\$189,800	\$0	\$189,800

**Sale History**

Date	Book/Page	Sale Code	Deed	Grantor	Price
03-05-2014	3612 / 0657	0116	WD	Cemer John S	\$40,000
10-19-1990	0712 / 1970	XX00	WD	David L Walker	\$100,000
03-01-1978	0283 / 2790	XX00	CV		\$52,500

**Primary Building Information**

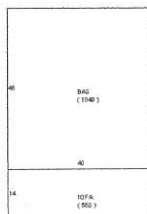
Finished Area of this building: 2,400 SF  
Gross Area of this building: 2,400 SF

**Exterior Data**

View:	Roof Cover: Metal	Roof Structure: Steel Truss	Building Type: INDW
Year Built: 1967	Frame:	Grade: Y_D+	Effective Year: 1977
Primary Wall: Corr Metal	Story Height: 1 Story	No. Units: 1	Secondary Wall: Conc Block

**Interior Data**

Bedrooms: 0	A/C %: N/A%	Electric: MAXIMUM	Primary Int Wall:
Full Baths: 0	Heated %: 0%	Heat Type:	Avg Hgt/Floor: 0
Half Baths: 0	Sprinkled %: 100%	Heat Fuel:	Primary Floors: CONC GRD



**Total Areas**

Finished/Under Air (SF):	2,400
Gross Area (SF):	2,400
Land Size (acres):	1.46
Land Size (SF):	63,597.6
Total Building Count:	1

**Special Features and Yard Items**

Type	Qty	Units	Year Blt
LOADING DOCK	1	240	1967

This information is believed to be correct at this time but it is subject to change and is not warranted.  
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### Property Identification

Site Address: 1237 GROSE RD Map ID: 24/28S	Parcel ID: 2428-502-0033-000-1 Zoning: IL	Account #: 32239  Use Type: 4400	Sec/Town/Range: 28/35S/40E Jurisdiction: Fort Pierce
--	---	--	--

### Ownership

H and S Citrus Inc  
PO Box 1616  
Fort Pierce, FL 34954

### Legal Description

INDUSTRIAL S/D LOT 28-LESS W 156FT- (2.42 AC) (OR  
205-1297: 256-175)

### Current Values

Just/Market: \$789,100    Assessed: \$742,500  
Exemptions: \$0        Taxable: \$742,500

### Historical Values 3-year

Year	Just/Market	Assessed	Exemptions	Taxable
2018	\$789,100	\$742,500	\$0	\$742,500
2017	\$675,000	\$675,000	\$0	\$675,000
2016	\$780,900	\$780,900	\$0	\$780,900

### Sale History

Date	Book/Page	Sale Code	Deed	Grantor	Price
08-09-1976	0256 / 0175	XX01	WD	H and S Citrus Inc	\$0
08-14-1972	0205 / 1297	XX01	WD	H and S Citrus Inc	\$0

### Primary Building Information

Finished Area of this building: 18,576 SF  
Gross Area of this building: 24,217 SF

#### Exterior Data

View:	Roof Cover: Metal	Roof Structure: BarJst/Rigid	Building Type: INDP
Year Built: 1972	Frame:	Grade: Y_D	Effective Year: 1972
Primary Wall: Conc Block	Story Height: 1 Story	No. Units: 2	Secondary Wall: Corr Metal

#### Interior Data

Bedrooms: 0	A/C %: 10%	Electric: MAXIMUM	Primary Int Wall:
Full Baths: 0	Heated %: 10%	Heat Type: FrcdHotAir	Avg Hgt/Floor: 0
Half Baths: 0	Sprinkled %: 100%	Heat Fuel: ELEC	Primary Floors: CONC GRD



*Image  
of  
Sketch  
unavailable  
for display*

### Total Areas

Finished/Under Air (SF):	23,076
Gross Area (SF):	28,717
Land Size (acres):	2.42
Land Size (SF):	105,415.2
Total Building Count:	3

### Special Features and Yard Items

Type	Qty	Units	Year Blt
CHAINLINK 6'	1	477	1976
STORAGE BIN	1	360	1976
MEZZANINE	1	1860	1976
BARB WIRE	1	477	1976

This information is believed to be correct at this time but it is subject to change and is not warranted.  
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This Document Prepared By and Return to:  
Melissa Harnage  
St. Lucie Title Services, Inc.  
800 Virginia Ave, Suite 47  
Fort Pierce, FL 34982

Parcel ID Number: 2428-502-0035-000/5

# Warranty Deed

This Indenture, Made this 12th day of March, 2014 A.D., Between  
John S. Cemer, as to an undivided one half interest

of the County of Washoe, State of Nevada, grantor, and  
George B. Brown

whose address is: PO Box 1478, Fort Pierce, FL 34954

of the County of St. Lucie, State of Florida, grantee.

Witnesseth that the GRANTOR, for and in consideration of the sum of  
-----TEN DOLLARS (\$10)----- DOLLARS,  
and other good and valuable consideration to GRANTOR in hand paid by GRANTEE, the receipt whereof is hereby acknowledged, has  
granted, bargained and sold to the said GRANTEE and GRANTEE'S heirs, successors and assigns forever, the following described land, situate,  
lying and being in the County of St. Lucie, State of Florida to wit:

The Southerly 100 feet of Lot 29, Industrial Subdivision, according to the  
plat thereof, as recorded in Plat Book 9, Page(s) 5, of the Public Records  
of St. Lucie County, Florida.

The property herein conveyed DOES NOT constitute the HOMESTEAD property of  
the Grantor.

and the grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever

In Witness Whereof, the grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Nick Nelson  
Printed Name: Nick Nelson  
Witness

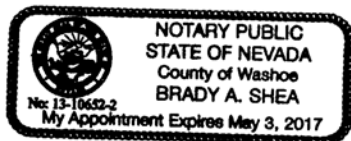
John S. Cemer (Seal)  
John S. Cemer  
P.O. Address: 748 South Meadows Pkwy., Ste. A9, Box 334  
Reno, NV 89521

Dan Parro  
Printed Name: Dan Parro  
Witness

STATE OF Nevada  
COUNTY OF Washoe

The foregoing instrument was acknowledged before me this 5th day of March, 2014 by  
John S. Cemer

who is personally known to me or who has produced his Driver License as identification.



Brady A. Shea  
Printed Name: Brady A Shea  
Notary Public  
My Commission Expires: 3 MAY 2017

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
WE BUY SCRAP, LLC  
1237 GROSE ROAD  
FORT PIERCE, FL 34982  
RIMS 18-003704-01-1**



**Submitted to:**

Christopher Eyre  
TD Bank, N.A.  
2059 Springdale Road  
Cherry Hill, NJ 08003

**Submitted by:**

Enercon Services, Inc.  
12906 Tampa Oaks Boulevard  
Temple Terrace, FL 33637  
(813) 962-1800

September 19, 2018

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
WE BUY SCRAP, LLC  
1237 GROSE ROAD  
FORT PIERCE, FL 34982  
RIMS 18-003704-01-1**

**Submitted to:**

Christopher Eyre  
TD Bank, N.A.  
2059 Springdale Road  
Cherry Hill, NJ 08003

**Submitted by:**

Enercon Services, Inc.  
12906 Tampa Oaks Boulevard  
Temple Terrace, FL 33637  
(813) 962-1800



---

Christopher B. Kling, FCEA, LEP  
Senior Project Manager



---

Chrissy R. Sherman  
Senior Reviewer

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of this part. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

## TABLE OF CONTENTS

<b>Executive Summary.....</b>	<b>1</b>
Property Description and Observations.....	1
Historical Use.....	2
Review of Federal and State Record Search.....	2
Conclusions.....	3
<b>1.0 Introduction.....</b>	<b>4</b>
1.1 Purpose.....	4
1.2 Scope of Services (Reliance).....	5
1.3 Deviations (Limitations, Exceptions and Data Gaps).....	6
1.3.1 Data Gaps Encountered.....	7
<b>2.0 Site Reconnaissance.....</b>	<b>8</b>
2.1 Property Description and Observations.....	8
2.1.1 Storage Tanks.....	10
2.1.2 Drums and Containers.....	10
2.1.3 Wastestream Generation, Storage, and Disposal.....	11
2.1.4 Stains or Corrosion/Pools of Liquid.....	11
2.1.5 Odors.....	11
2.1.6 Polychlorinated Biphenyl.....	11
2.1.7 Heating and Cooling.....	12
2.1.8 Waste and Storm Water.....	12
2.1.9 Pits, Ponds, or Lagoons.....	12
2.1.10 Stressed Vegetation.....	12
2.1.11 Wells.....	12
2.1.12 Oil and Gas Wells and Mine Shafts.....	12
2.1.13 Railroad Spurs/Electrical Towers.....	12
2.1.14 Pesticide/Herbicide Application.....	12
2.1.15 Septic Systems.....	13
2.1.16 Utility Providers.....	13
2.2 Surrounding Properties.....	13
<b>3.0 Physical Setting.....</b>	<b>14</b>
3.1 Topography.....	14
3.2 Geology.....	14
3.3 Soil Conditions.....	14
3.4 Hydrologic Conditions.....	14
<b>4.0 Historical Review Information.....</b>	<b>16</b>
4.1 Historical Use.....	16
4.1.1 Summary of Historical Use.....	16
4.2 Interviews.....	18
4.3 User's Responsibilities.....	19
4.4 Previous Environmental Documentation.....	19

## TABLE OF CONTENTS

<b>5.0 Agency Records Review</b> .....	<b>20</b>
5.1 Review of Agency Records Search.....	20
5.2 Orphan Properties.....	21
5.3 Local Agency Records Search.....	21
<b>6.0 Additional Services</b> .....	<b>23</b>
Asbestos-Containing Materials.....	23
Radon.....	23
Lead-Based Paint.....	24
Water Intrusion.....	24
<b>7.0 Findings</b> .....	<b>25</b>
7.1 Property Description and Observations.....	25
7.2 Historical Use.....	26
7.3 Review of Federal and State Record Search.....	26
<b>8.0 Conclusions</b> .....	<b>27</b>
<b>References</b> .....	<b>28</b>
<b>Appendices</b>	
Figures	
Photographs	
Historical Research Documentation	
Regulatory Records Documentation	
Additional Information	
Qualifications	

## Executive Summary

The following summarizes the findings of this assessment. This executive summary must be considered in conjunction with the discussion provided in the body of the report.

Enercon Services, Inc. (ENERCON) was retained by TD Bank, N.A. (hereafter referred to as Client), to perform a Phase I Environmental Site Assessment (ESA) of the property known as We Buy Scrap LLC located at 1237 Grose Road in Fort Pierce, Saint Lucie County, Florida (subject property), as outlined in RIMS Project Number: 18-003704-01-1, authorized by Mr. Christopher Eyre on August 21, 2018. ENERCON performed the ESA in conformance with the Scope of Work and the provisions of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13, thereby satisfying United States Environmental Protection Agency's (U. S. EPA) "Standards and Practices for All Appropriate Inquiries (AAI); Final Rule" (40 Code of Federal Regulations Part 312) Federal Register Vol. 78, No. 210, December 30, 2013. Any exceptions to, or deletions from, this practice are described within this report.

## Property Description and Observations

The subject property consists of a former citrus processing plant operated by H & S Citrus, which previously provided high end citrus products to fund raising businesses. The subject property is generally located on the northeastern corner of the intersection of Grose Road (to the south) and Enterprise Road (to the west), in Fort Pierce, Saint Lucie County, Florida. The subject property is identified by Saint Lucie County Property Appraiser (SLCPA) under Parcel IDs: 2428-502-0033-000-1 and 2428-502-0035-000-5 and consists of 3.66 acres of commercially developed land. The ownership, address, date of purchase, size, and legal description for each parcel is as follows:

- 2428-502-0033-000-1; H and S Citrus Inc.; 1237 Grose Road; August 9, 1976; 2.42 acres; INDUSTRIAL S/D LOT 28-LESS W 156FT- (2.42 AC) (OR 205-1297: 256-175)
- 2428-502-0035-000-5; George B Brown, Robert E Derry, and Lois S Derry; 3340 Enterprise Road; March 5, 2014; 1.46 acres; INDUSTRIAL S/D SLY 100 FT OF LOT29 (1.46 AC) (OR 712-1970; 3612-657)

The southern parcel of the subject property is developed with a citrus processing plant, originally developed in 1972, comprising a total of 24,217 square feet of building area. The building contains the processing area, as well as office areas, a maintenance area, a cold storage area, and a loading dock area. A 2,100 square foot addition was constructed in 1997. The processing area contains numerous large hydraulically-actuated citrus processing equipment, including large conveyor belts and sorters. The eastern side of the citrus plant is constructed with a large canopy area. The canopy area contains the citrus washing and waxing equipment, including four large (approximately 200 to 300 gallons) polyethylene totes and four 55-gallon polyethylene drums containing various fruit cleaners and detergents, as well as waxing agents. An additional 55-gallon drum was located adjacent to the canopy area and was connected directly to the citrus washing equipment.

Two large (approximately 5,000 gallons each) aboveground storage tanks (ASTs) are located to the northeast of the citrus processing building. The tanks were previously utilized to store the rinse water from the fruit cleaning process. Reportedly, the water was transported off-site via tanker trucks and deposited in a pond located within a citrus grove. The water was then pumped from the pond and sprayed throughout the citrus groves. According to Dr. Deery, the off-site pond underwent assessment and was closed. No hazardous materials were identified in association with the off-site pond. An abandoned tanker trailer was stationed adjacent to the ASTs. The ASTs are also equipped with a concrete containment located at the transfer point of the tanks. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of these ASTs.

An approximate 500-gallon AST previously containing diesel fuel utilized to fuel the tractor trailers that transported the wash water is located adjacent to the wash water ASTs. The diesel fuel tank appeared to be empty; however, ENERCON was unable to confirm if the AST was completely empty. The tank was situated in a concrete secondary containment unit. No staining was observed within the secondary

containment or in the vicinity of the containment structure. A second similarly-sized and constructed AST is located near the wash water tanks. The tank was empty and open. Reportedly, the tank, which previously contained diesel fuel, was emptied and cleaned prior to removal from the concrete secondary containment area and placed in its current location. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of this AST.

Based on a review of available regulatory documentation, no indication of the presence of these ASTs is on file with the Florida Department of Environmental Protection (FDEP). The presence of these ASTs poses a low environmental concern.

The southern parcel is also developed with an unheated single-story storage building, originally constructed in 1992, comprising a total of 2,400 square feet of building space. The storage building contains a large open-air storage area, as well as three enclosed storage areas, accessed via metal roll up doors.

The northern parcel is developed with an office/warehouse building, originally developed in 1967, comprising 2,400 square feet of building area. The building is currently used for storage of files, furniture, and other office equipment.

Additional improvements include a potable water well (not currently used); paved and packed dirt parking areas and drive lanes; and chain link perimeter fencing. The eastern portion of the property is vacant land with native vegetation.

No evidence of Recognized Environmental Conditions (RECs) in connection with the property was identified during the site reconnaissance.

## **Historical Use**

From the historical information reviewed, ENERCON concludes that the subject property was undeveloped land from at least 1950 through the late 1960s, when the subject property was developed with a medium-sized commercial building on the southern portion of the property. The property operated as a citrus processing and packaging facility known as H & S Citrus from 1966 through approximately 2015, when the facility ceased operation due to the quality of citrus being grown in Florida caused by deteriorating growing conditions. The citrus processing plant is presently only utilized for office purposes currently; however, the processing equipment and associated improvements still remain on the subject property.

Based on the information reviewed, it appears that the historical review has not identified evidence of RECs in connection with the subject property's historical use.

## **Review of Federal and State Record Search**

ENERCON's review of the EDR regulatory database report indicates that the subject property is listed on the National Pollutant Discharge Elimination System (NPDES) and Facility Index System (FINDS) researched regulatory databases.

The subject property, identified as H & S Citrus, Inc. Citrus Packing House, is listed on the NPDES database for the issuance of an active industrial wastewater permit under facility identification number FLA014005. The facility is listed as an active, existing, permitted facility for which effluent, reclaimed water, or wastewater residual discharges into the environment and/or monitoring is taking place. The permit was originally issued October 15, 2014 and expires on October 14, 2019. According to the database, the treatment is listed as "screening, settling, tanker truck hauled to sprayfield off-site". According to Dr. Deery, the rinse water from the cleaning and waxing process generates non-hazardous wastewater, is stored in the large on-site ASTs, and then transported off-site via tanker trucks for disposal in an orchard addressed at 4910 Ralls Road in Fort Pierce, which eventually dispersed the wastewater onto the orchard. The subject property is listed on the FINDS database under Registry ID: 110027959760 for the aforementioned NPDES listing. No violations or releases were reported. These listings pose a low environmental concern to the subject property.

Additional properties which appeared on local, state, or federally published lists of sites that use or have had releases of hazardous materials, are of sufficient distance and/or situated cross/down-gradient to the subject property, such that impact to the subject property is not likely.

## **Conclusions**

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 of the subject property. Any exceptions to, or deletions from, this practice are described in the Deviation section of this report.

This assessment has revealed no evidence of RECs, Historical RECs, Controlled RECs, Vapor Encroachment Conditions or environmental regulatory non-compliance issues in connection with the subject property.

This assessment has revealed evidence of the following Business Environmental Risks in connection with the subject property:

- Hazardous materials are still present on the currently closed citrus processing facility, including a diesel fuel AST and various drums and totes containing citrus washing and waxing chemicals, as well as numerous containers containing petroleum products.
- Based on the construction date of the subject property (late 1960s), the presence of asbestos is likely. Asbestos sampling was not conducted as part of this assessment. ENERCON observed several areas of damaged suspect asbestos-containing building materials during the site reconnaissance. The damaged building materials consist of acoustic ceiling tiles and fireproofing insulation.

This assessment has revealed evidence of the following *de minimis* conditions in connection with the subject property:

- Stained asphalt was observed throughout the subject property.
- Stained concrete flooring in the maintenance area of the citrus processing building.

## **RECOMMENDATION**

ENERCON recommends no additional assessment.

ENERCON recommends the removal and disposal of all hazardous materials on the subject property by a properly certified hazardous waste disposal company, if they are not planned for future use.

Should significant renovation or demolition be planned at the subject property, an asbestos demolition survey should be conducted by a licensed professional in accordance with local, state, and federal regulations.

## 1.0 Introduction

Enercon Services, Inc. (ENERCON) was retained by TD Bank, N.A. (hereafter referred to as Client), to perform a Phase I Environmental Site Assessment (ESA) of the property known as We Buy Scrap LLC located at 1237 Grose Road in Fort Pierce, Saint Lucie County, Florida (subject property), as outlined in RIMS Project Number: 18-003704-01-1, authorized by Mr. Christopher Eyre on August 21, 2018. ENERCON performed the ESA in conformance with the Scope of Work and the provisions of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13, thereby satisfying United States Environmental Protection Agency's (U. S. EPA) "Standards and Practices for All Appropriate Inquiries (AAI); Final Rule" (40 Code of Federal Regulations Part 312) Federal Register Vol. 78, No. 210, December 30, 2013. Any exceptions to, or deletions from, this practice are described within this report.

### 1.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the ASTM Practice E1527-13 and AAI, Final Rule 40 CFR Part 312, recognized environmental conditions (REC) in connection with the subject property.

The ASTM Standard was created "...in an effort to define good commercial and customary practice in the United States of America for conducting an environmental site assessment...." REC means "*the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.*" The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not subject the subject property to an enforcement action if brought to the attention of appropriate governmental agencies.

A historical REC (HREC) is defined as "*a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations [AUL], institutional controls, or engineering controls). Before calling the past release an HREC, the Environmental Professional (EP) must determine whether the past release is a REC at the time the Phase I ESA is conducted (e.g., if there has been a change in the regulatory criteria).*"

A controlled REC (CREC) is defined as "*a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a no further action [NFA] letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls).*" (ASTM 2013).

This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC 9601(35)(B).

ENERCON understands that the subject property is either being bought, sold, or refinanced and that the Phase I ESA is being performed to satisfy the requirement for CERCLA "innocent purchaser" defense or to secure financing.

Pursuant to ASTM E 1527-13, an ESA meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or the date of the

intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction:

- (i) interviews with owners, operators, and occupants;
- (ii) searches for recorded environmental cleanup liens;
- (iii) reviews of federal, tribal, state, and local government records;
- (iv) visual inspections of the property and of adjoining properties; and
- (v) the declaration by the environmental professional responsible for the assessment or update.

## **1.2 Scope of Services (Reliance)**

To facilitate the understanding of this report, the Scope-of-Services are divided into several tasks; the physical setting data, the historical information review, regulatory records review, site and adjoining property reconnaissance, and findings and conclusions.

Physical setting data are typically consulted when conditions have been identified in which potentially hazardous materials or petroleum related products are likely to migrate to the subject property, from the subject property, or within the subject property into the groundwater or soil. Typical concerns include contaminated soil, groundwater, surface water, and vapor. At a minimum, a current United States Geological Survey (USGS) 7.5 Minute Topographic Map detailing the subject property area is evaluated. As noted by the ASTM standard, other physical setting sources, revealing additional hydrogeologic, hydrologic, and soil conditions, may be included as necessary to meet assessment objectives.

The historical information review portion is performed in order to develop a history of the site and adjoining properties to identify past uses suggesting RECs that may pose an environmental concern to the subject property. In general accordance with ASTM guidelines, obvious uses of the subject property are researched from the present, back to the subject property's first developed use, or back to 1940, whichever is earlier. This task involves discretionary review of as many of the ASTM standard historical sources as necessary and reasonably ascertainable to meet this objective.

Federal and state databases compiled by an environmental database company are reviewed to identify registered or documented facilities which may present an environmental concern to the subject property. Reasonably ascertainable standard regulatory sources are reviewed for the subject property and vicinity within minimum search distances, as detailed in the ASTM standard. At the discretion of the EP, pertinent regulatory files and/or records associated with listings for the subject property and adjoining properties are reviewed.

Additionally, record sources may be reviewed to enhance or supplement the federal and state database information. Reasonably ascertainable and practically reviewable sources may include city and/or county department of health records, local fire department records, local planning and building inspection records, local regional pollution control or environmental agency records, city, county or state water agency files, and local electric utility records.

A site reconnaissance is performed to obtain and record obvious and apparent visual evidence suggesting RECs to the extent not obstructed by bodies of water, adjoining buildings, or other external or interior barriers or obstacles. Site features, such as readily accessible adjoining public thoroughfares and on-site roads and paths and accessible common areas expected to be used by occupants or the public, are identified. Inspections of large tracts of land are performed utilizing grid patterns or systematic approaches, and assessments of developed sites include a visual inspection of a representative sample of occupied spaces. Current site uses are documented, paying particular attention to uses involving the treatment, storage, disposal or generation of hazardous substances or petroleum products. Apparent evidence of past or present underground storage tanks (UST) or aboveground storage tanks (AST), surface stains, distressed vegetation, electrical transformers, land scars, drums, pits, ponds, lagoons, solid waste, waste water, septic systems, wells or obvious evidence of improper use or disposal of toxic or hazardous materials are documented. The reconnaissance includes observations of adjoining properties to identify general land use and apparent potential RECs. These observations are made from public access right-of-ways.

ENERCON personnel makes reasonable attempts to interview owners and occupants of the subject property, past owners to the extent that they have been identified, as well as local government personnel, to obtain information suggesting RECs which may present concerns to the subject property.

In addition to ASTM E1527-13, ENERCON recognizes ASTM Standard Guide for Vapor Encroachment Screening (VES) on Property Involved in Real Estate Transactions (ASTM E2600-15) as an industry-accepted guideline for using Phase I ESA-type information to determine if a Vapor Encroachment Condition (VEC) exists at the subject property. Information compiled through completion of the above describe tasks (current and past property information, chemical use, government records, contaminated plume migration, significant subsurface conduits, groundwater depth and flow direction, and soil, geological, and contaminant characteristics) is used to conduct the VES.

VES consists of reviewing the Phase I ESA-type information combined with the application of professional judgment. ENERCON evaluates regulatory databases to determine if there are known or suspect contaminated sites within a minimum search distance of the target property. Further, ENERCON attempts to determine whether soil and/or groundwater has been impacted within the critical distance. Again, this screen is conducted using information available from the Phase I ESA investigation.

This Phase I ESA was prepared by ENERCON specifically for use by the Client and the Small Business Administration. Use of or reliance upon this information by any other party without express written permission granted by ENERCON and the Client is not authorized and is completely at the risk of the user.

### **1.3 Deviations (Limitations, Exceptions and Data Gaps)**

The intent of this investigation is to reduce uncertainty within reasonable limits of time and cost. No Phase I ESA can completely eliminate uncertainty regarding the potential for RECs in connection with a subject property.

Observations are based upon conditions on the specific date and time of the site reconnaissance. These observations are typically unable to address conditions of subsurface soil, groundwater, vapor, USTs, neighboring properties, and the like, unless specifically mentioned. It is not the purpose of this Phase I ESA to determine the actual presence, or degree or extent of contamination (if any) at the subject property. Unless specifically noted within this report, this Phase I ESA does not include testing, coring, or sampling and laboratory analysis to address groundwater, soil, vapor, or extraneous materials contamination in or on the subject property.

ENERCON makes no warranties or guarantees as to the accuracy or completeness of information obtained from or compiled by others. Information may also exist which was beyond the scope of this investigation, or was not provided to ENERCON, that may have an impact on the conclusions of this Phase I ESA.

This Phase I ESA has been conducted and prepared in accordance with generally accepted practices and procedures exercised by reputable professionals under similar circumstances. ENERCON makes no other warranties or guarantees, either expressed or implied, as to the findings, opinions, or recommendations contained in the report, or as to the existence or non-existence of RECs at the subject property.

ASTM E1527-13 directs that the Phase I ESA identify and comment on significant data gaps that affect the ability of the Environmental Professional to identify RECs. A data gap is defined as a lack of or inability to obtain information required despite good-faith efforts to gather information. Data gaps may result from incompleteness in any of the activities required by this practice. Data failure, or failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful, is one type of data gap. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap.

### **1.3.1 Data Gaps Encountered**

During the course of ENERCON's assessment, historical data gaps/data failures were encountered. Data gaps/data failures include a lack of readily available historical sources at five-year intervals to 1940 and ENERCON has not received a response for the request for information from several municipal agencies. Historical aerial photographs, topographic maps, city directories, and municipal records were used to evaluate the subject property's historical use dating to 1944, with a clear history of development and site use. In cases where data gaps/data failures were encountered, professional judgment was used to determine the likelihood of a REC; therefore the data gaps are not considered significant.

## 2.0 Site Reconnaissance

Mr. Christopher Kling of ENERCON performed a site reconnaissance of the subject property as well as the adjoining properties on September 10, 2018. The reconnaissance consisted of visual observations during a walking tour of the property and on-site improvements. The site reconnaissance tasks included:

- Walking the perimeter and interior portions of the property;
- Walking around on-site improvements; and
- Walking the interior of the buildings.

A site map and photographs are included in the appendix section of this report.

ENERCON was accompanied by, and interviewed, Dr. Robert Deery, President of H & S Citrus, Inc., the current tenant of the property, during the site reconnaissance.

## 2.1 Property Description and Observations

The subject property consists of a former citrus processing plant operated by H & S Citrus, which previously provided high end citrus products to fund raising businesses. The subject property is generally located on the northeastern corner of the intersection of Grose Road (to the south) and Enterprise Road (to the west), in Fort Pierce, Saint Lucie County, Florida. The subject property is identified by Saint Lucie County Property Appraiser (SLCPA) under Parcel IDs: 2428-502-0033-000-1 and 2428-502-0035-000-5 and consists of 3.66 acres of commercially developed land. The ownership, address, date of purchase, size, and legal description for each parcel is as follows:

- 2428-502-0033-000-1; H and S Citrus Inc.; 1237 Grose Road; August 9, 1976; 2.42 acres; INDUSTRIAL S/D LOT 28-LESS W 156FT- (2.42 AC) (OR 205-1297: 256-175)
- 2428-502-0035-000-5; George B Brown, Robert E Derry, and Lois S Derry; 3340 Enterprise Road; March 5, 2014; 1.46 acres; INDUSTRIAL S/D SLY 100 FT OF LOT29 (1.46 AC) (OR 712-1970; 3612-657)

The subject property's land use code is designated as 4400 and 4100 to describe its commercial use. The latitude and longitude of the subject property is 27.397436 North, -80.324764 West.

The southern parcel of the subject property is developed with a citrus processing plant, originally developed in 1972, comprising a total of 24,217 square feet of building area. The building contains the processing area, as well as office areas, a maintenance area, a cold storage area, and a loading dock area. A 2,100 square foot addition was constructed in 1997. The processing area contains numerous large hydraulically-actuated citrus processing equipment, including large conveyor belts and sorters. The two-story structure is constructed with a concrete slab-on-grade foundation; CMU load bearing walls; a low slope (flat) roof typically covered with standing seam metal roof covering; and painted CMU and corrugated metal panel exterior facades. Interior finishes consist of gypsum board walls; gypsum board ceilings and cellulose based suspended acoustic tile ceilings and open web metal joists in warehouse areas; and tile or concrete floors.

The eastern side of the citrus plant is constructed with a large canopy area. The canopy area contains the citrus washing and waxing equipment, including four large (approximately 200 to 300 gallons) polyethylene totes and four 55-gallon polyethylene drums containing various fruit cleaners and detergents, as well as waxing agents. An additional 55-gallon drum was located adjacent to the canopy area and was connected directly to the citrus washing equipment.

Two large (approximately 5,000 gallons each) aboveground storage tanks (ASTs) are located to the northeast of the citrus processing building. The tanks were previously utilized to store the rinse water from the fruit cleaning process. Reportedly, the water was transported off-site via tanker trucks and deposited in a pond located within a citrus grove. The water was then pumped from the pond and sprayed throughout the citrus groves. According to Dr. Deery, the off-site pond underwent assessment

and was closed. No hazardous materials were identified in association with the off-site pond. An abandoned tanker trailer was stationed adjacent to the ASTs. The ASTs are also equipped with a concrete containment located at the transfer point of the tanks. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of these ASTs.

An approximate 500-gallon AST previously containing diesel fuel utilized to fuel the tractor trailers that transported the wash water is located adjacent to the wash water ASTs. The diesel fuel tank appeared to be empty; however, ENERCON was unable to confirm if the AST was completely empty. The tank was situated in a concrete secondary containment unit. No staining was observed within the secondary containment or in the vicinity of the containment structure. A second similarly-sized and constructed AST is located near the wash water tanks. The tank was empty and open. Reportedly, the tank, which previously contained diesel fuel, was emptied and cleaned prior to removal from the concrete secondary containment area and placed in its current location. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of this AST.

Based on a review of available regulatory documentation, no indication of the presence of these ASTs is on file with the Florida Department of Environmental Protection (FDEP). The presence of these ASTs poses a low environmental concern.

The southern parcel is also developed with an unheated single-story storage building, originally constructed in 1992, comprising a total of 2,400 square feet of building space. The storage building contains a large open-air storage area, as well as three enclosed storage areas, accessed via metal roll up doors. The storage building is constructed with a concrete slab-on-grade foundation; CMU load bearing walls; a low slope (flat) roof covered with a standing seam metal roof covering; and painted CMU exterior facades. Interior finishes consist of unfinished concrete walls and floors and open ceilings.

The northern parcel is developed with an office/warehouse building, originally developed in 1967, comprising 2,400 square feet of building area. The building is currently used for storage of files, furniture, and other office equipment. The storage building is constructed with a raised CMU foundation; steel framing; a low slope (flat) roof covered with a standing seam metal roof covering; and metal panel exterior facades. Interior finishes consist of gypsum board walls; gypsum board ceilings and cellulose based suspended acoustic tile ceilings and open web metal joists in the warehouse area; and carpeted or tile floors.

Additional improvements include a potable water well (not currently used); paved and packed dirt parking areas and drive lanes; and chain link perimeter fencing. The eastern portion of the property is vacant land with native vegetation.

No foundations, ruins, or indications of previous structures were observed. No dry wells, sinkholes, leaching pools, discharge pipes, or lagoons were observed on the subject property at the time of ENERCON's site reconnaissance.

Stained asphalt was observed throughout the subject property. The observed staining is typical of a commercial parking lot and is considered a *de minimis* condition.

The former use of the subject property as a citrus processing plant is identified as a high risk business, as defined by the North American Industry Classification System (NAICS), under 2002 NAICS Code 311991 Perishable Prepared Food Manufacturing.

The subject property is located within a commercially developed area. The subject property is bound to the north by a multi-tenant industrial flex building; to the east by railroad tracks, followed by undeveloped land; to the south by Grose Road, followed by a telecommunications company's maintenance facility; to the southwest by a moving company; and to the west by Enterprise Road, followed by undeveloped land.

No evidence of RECs in connection with the property was identified during the site reconnaissance.

### **2.1.1 Storage Tanks**

ENERCON's site reconnaissance revealed no evidence of past or present USTs, such as fill caps or vent pipes, on the subject property. No unusual ground conditions, which might indicate the presence of USTs, waste oil tanks, hydraulic lifts, or other obvious environmental concerns, were observed on the subject property during ENERCON's site reconnaissance.

Two large (approximately 5,000 gallons each) aboveground storage tanks (ASTs) are located to the northeast of the citrus processing building. The tanks were previously utilized to store the rinse water from the fruit cleaning process. Reportedly, the water was transported off-site via tanker trucks and deposited in a pond located within a citrus grove. The water was then pumped from the pond and sprayed throughout the citrus groves. According to Dr. Deery, the off-site pond underwent assessment and was closed. No hazardous materials were identified in association with the off-site pond. An abandoned tanker trailer was stationed adjacent to the ASTs. The ASTs are also equipped with a concrete containment located at the transfer point of the tanks. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of these ASTs.

An approximate 500-gallon AST previously containing diesel fuel utilized to fuel the tractor trailers that transported the wash water is located adjacent to the wash water ASTs. The diesel fuel tank appeared to be empty; however, ENERCON was unable to confirm if the AST was completely empty. The tank was situated in a concrete secondary containment unit. No staining was observed within the secondary containment or in the vicinity of the containment structure. A second similarly-sized and constructed AST is located near the wash water tanks. The tank was empty and open. Reportedly, the tank, which previously contained diesel fuel, was emptied and cleaned prior to removal from the concrete secondary containment area and placed in its current location. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of this AST.

Based on a review of available regulatory documentation, no indication of the presence of these ASTs is on file with the Florida Department of Environmental Protection (FDEP). The presence of these ASTs poses a low environmental concern.

According to 40 C.F.R Part 112, Subpart A, any facility maintaining an above ground storage capacity of hazardous liquid greater than 1,320 U.S. gallons requires an Spill Prevention, Control and Countermeasure (SPCC) Plan. Due to the lack of storage of liquid hazardous materials greater than this amount, the subject property is not governed by SPCC regulations.

### **2.1.2 Drums and Containers**

The eastern side of the citrus plant is constructed with a large canopy area. The canopy area contains the citrus washing and waxing equipment, including four large (approximately 200 to 300 gallons) polyethylene totes and four 55-gallon polyethylene drums containing various fruit cleaners and detergents, as well as waxing agents. An additional 55-gallon drum was located adjacent to the canopy area and was connected directly to the citrus washing equipment.

The maintenance area located within the citrus processing plant, utilized for maintenance of the citrus processing equipment, contains various cleaners, oils, lubricants, and solvents, generally in containers of one gallon or less. The products are typically stored in manufacturers original containers. The area also contains approximately eight 5-gallon plastic pails and one 55-gallon polyethylene drum containing new hydraulic oils, used in the citrus processing equipment. A minor amount of staining was located on the concrete floor in the maintenance area. No seams in the concrete or drains were observed in the maintenance area. This staining is considered to be a *de minimis* condition. Additionally, several 5-gallon pails and one-gallon containers containing hydraulic fluids, cleaners, and detergents in manufacturers containers were observed in the storage area within the enclosed locked areas. No leaks or staining were observed in the vicinity of the containers. When used, stored, and disposed of in the manner for which they are intended, small quantities of petroleum-based maintenance products and other types of cleaners and detergents such as those observed on the subject property, do not ordinarily represent a significant environmental concern.

No other hazardous substance or petroleum product containers were observed on the subject property at the time of ENERCON's site reconnaissance.

No other drums were observed on the subject property at the time of ENERCON's site reconnaissance.

No unidentified substance containers were observed on the subject property at the time of ENERCON's site reconnaissance.

### **2.1.3 Wastestream Generation, Storage, and Disposal**

The subject property is no longer utilized for citrus processing; therefore, no waste is currently generated or disposed of on the subject property.

No significant quantity of solid waste or evidence of landfills was observed during ENERCON's site reconnaissance. However, ENERCON observed the presence of one abandoned steel AST located on the northeastern side of the subject property, as well as numerous plastic citrus crates discarded throughout the subject property.

### **2.1.4 Stains or Corrosion/Pools of Liquid**

Stained asphalt was observed throughout the subject property. The observed staining is typical of a commercial parking lot and is considered a *de minimis* condition.

A minor amount of staining was located on the concrete floor in the maintenance area. No drains or seams in the concrete were observed in the maintenance area. This staining is considered to be a *de minimis* condition.

No corrosion, stained soil, or pools of liquid were observed on the subject property at the time of ENERCON's site reconnaissance.

### **2.1.5 Odors**

No unusual odors were noted during ENERCON's site reconnaissance.

### **2.1.6 Polychlorinated Biphenyl**

Electrical transformers are a potential source of environmental concern due to the possible presence of polychlorinated biphenyl (PCB)-containing cooling oils used in some units. Equipment containing hydraulic oil may also be PCB-containing. No transformers were observed on the subject property. Pole-mounted electrical transformers are located in the southern adjoining Department of Transportation (DOT) Right-Of-Way (ROW). The transformers appear to be in good condition, with no visual signs of leaking or staining.

The citrus processing plant building contains numerous large hydraulically-actuated machines used in the processing of the citrus. Some machines are assumed to be the original equipment installed when the citrus processing plant was originally developed in 1972, prior to the ban on PCBs in 1979. No significant leaks or releases were observed or reported.

No other potential sources of PCB-containing equipment (i.e. hydraulic equipment such as automotive lifts, trash compactors, or elevators) were observed on the subject property at the time of ENERCON's site reconnaissance.

### **2.1.7 Heating and Cooling**

Heating, ventilation and air-conditioning (HVAC) service to the office area and cold storage area of the citrus processing building, and the office area of the warehouse building, is provided by electrically powered, split system HVAC units with pad-mounted condenser units. No HVAC system services the storage building.

No evidence of prior use of fuel oil for heating purposes was observed during the site visit.

### **2.1.8 Waste and Storm Water**

No drains or sumps were observed on the subject property at the time of ENERCON's site reconnaissance.

The subject property is no longer utilized for citrus processing; therefore, no waste water is generated.

Surface water runoff is generally expected to follow the engineered grades on the subject property and flow in the southern and western directions toward the adjoining streets.

### **2.1.9 Pits, Ponds, or Lagoons**

No pits, ponds, lagoons, or other surface waters were observed on the subject property.

### **2.1.10 Stressed Vegetation**

No stressed vegetation was observed on the subject property.

### **2.1.11 Wells**

A previous potable water well is located along the northern elevation of the citrus processing building. Construction details, i.e. well depth, screening interval, etc. was not provided. According to Dr. Deery, potable water service to the property was switched to the municipal domestic water system over 15 years ago.

No other wells (potable water, irrigation, or dry wells) were observed during ENERCON's site reconnaissance. No monitoring or injection wells or indications of remedial activities were observed on the subject property at the time of the site visit.

### **2.1.12 Oil and Gas Wells and Mine Shafts**

No evidence of oil wells, gas wells, mine shafts or related activities was noted on the subject property.

### **2.1.13 Railroad Spurs/Electrical Towers**

Railroad tracks are located adjoining to the east. No electrical towers were observed during ENERCON's site reconnaissance.

### **2.1.14 Pesticide/Herbicide Application**

No evidence of misuse or misapplication of pesticides, herbicides, or fertilizers was observed.

### 2.1.15 Septic Systems

No evidence of septic systems was observed or reported during ENERCON's site reconnaissance. The subject property is reportedly connected to the municipal sanitary waste system.

### 2.1.16 Utility Providers

<b>Sanitary Sewer</b>	Fort Pierce Utilities Authority
<b>Domestic Water</b>	Fort Pierce Utilities Authority
<b>Electric Service</b>	Fort Pierce Utilities Authority
<b>Natural Gas</b>	Not supplied to the subject property

No alternatively fueled power generators are present.

### 2.2 Surrounding Properties

ENERCON performed an area reconnaissance to identify obvious visual indications of present or past activities that have or could have contaminated the subject property. The area reconnaissance was conducted by automobile, and/or on foot, unless otherwise noted. The general area consists primarily of commercial use.

The following adjoining properties were observed:

<b>Direction From Site</b>	<b>Occupant</b>	<b>Use</b>	<b>Comments</b>
North	Multi-tenant industrial flex building	Commercial/Industrial	Multi-tenant light industrial flex building addressed at 3338 Enterprise Road
East	Undeveloped	Undeveloped	Railroad tracks, followed by undeveloped, unaddressed land
South	BellSouth	Commercial	Grose Road, followed by a maintenance facility for a telecommunications company addressed at 3402 Enterprise Road
Southwest	Interstate Moving and Storage	Commercial	Moving company addressed at 1270 Grose Road
West	Undeveloped land	Undeveloped	Enterprise Road, followed by undeveloped, unaddressed land

Environmentally sensitive businesses identified on the adjoining properties are discussed in Section 5.1 Review of Agency Records Search.

### **3.0 Physical Setting**

ENERCON reviews available sources of information in regard to the geology and hydrology of the subject property and surrounding area. The purpose of this review is to evaluate the sensitivity of the hydrogeology to potential contamination from sources either on or near the property. This section discusses the topography, regional geology, soil conditions, and hydrologic conditions of the subject property.

#### **3.1 Topography**

The subject property's physical setting is researched using a USGS 7.5 Minute Topographic Quadrangle Map relevant to the subject property. The USGS 7.5 Minute Quadrangle Map has an approximate scale of one inch equals 2000 feet, and shows physical features such as wetlands, roadways, mines, and buildings. The USGS 7.5 Minute Quadrangle Map is used as the Standard Physical Setting Source, and is sufficient as a single reference. An excerpt of this map is included as the Site Location Map.

On the 5656797 Fort Pierce, Florida Quadrangle Map, the subject property and surrounding properties are illustrated as undeveloped land. The subject property and adjoining properties are not located within 100- or 500-year flood zones. No wetlands, mines, or wells are illustrated on the subject property or adjoining properties. The elevation of the subject property is approximately 14 feet above mean sea level with a slightly sloping gradient toward the east-northeast. (USGS 2012).

#### **3.2 Geology**

According to the 1999 geologic map of the State of Florida, the subject property is underlain by the Cenozoic Era, Quaternary System, Pleistocene Series, Anastasia Formation (Qa). The site is part of the Atlantic Coastal Ridge that is underlain by the Anastasia Formation from St. John's County southward to Palm Beach County. The Anastasia Formation generally is recognized near the coast but does extend inland as much as a few miles in the St. Lucie and Martin Counties. The Anastasia Formation is composed of interbedded sands and coquinoid limestones. The most recognized facies of the Anastasia sediments is an organish-brown, unindurated to moderately indurated, coquina (whole or fragmented) mollusk shells with a matrix of sand cemented by sparry calcite. The sediments are light gray to tan and orangish-brown, unconsolidated to moderately indurated, unfossiliferous to very fossiliferous beds. The Anastasia Formation forms a part of the surficial aquifer system.

#### **3.3 Soil Conditions**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) is responsible for collecting and maintaining soil survey information for privately owned lands throughout the United States. Environmental Data Resources, Inc. (EDR) extracts pertinent information from this database and provides a Physical Source Summary (PSS) of the subject property. According to the site-specific summary report, the major soil component underlying the subject property is defined as Waveland fine sand.

Waveland fine sand is a Class B/D, poorly drained soil. The soil has a high corrosion potential and is not hydric. The depth to the water table is greater than 31 inches. The soils are fine sands from 0 to 3 inches below land surface (bls); sand from 3 to 31 inches bls; loamy sand from 31 to 53 inches bls; and sand from 53 to 79 inches bls.

#### **3.4 Hydrologic Conditions**

Local groundwater flow direction can be influenced by several factors and may not conform to the reported regional pattern. Surface topography, hydrology, characteristics of the local soil, and nearby wells may all influence local groundwater flow direction and velocity. Since the subject property has had no previously reported contamination problems, no site-specific data was available. Therefore, the resources and information reviewed by ENERCON did not specifically address measured groundwater

gradient or groundwater flow direction for the subject property. However, based on the topography of the subject property, groundwater is anticipated to flow toward the east-northeast.

The major source of groundwater in Florida is the Floridan Aquifer System. The Floridan aquifer is one of the highest producing aquifers in the world. It is found throughout Florida and extends into the southern portions of Alabama, Georgia, and South Carolina. This aquifer system is comprised of a sequence of limestone and dolomite, which thickens from about 250 feet in Georgia to about 3000 feet in south Florida. The Floridan aquifer system has been divided into an upper and lower aquifer separated by a unit of lower permeability. The upper Floridan aquifer is the principal source of water supply in most of north and central Florida. In the southern portion of the state, where it is deeper and contains brackish water, the aquifer has been used for the injection of sewage and industrial waste. Groundwater flow is generally from highs near the center of the state towards the coast.

## **4.0 Historical Review Information**

The objective of the site historical review is to develop an understanding of the history of the previous uses of the site and surrounding area, in an effort to help identify the likelihood of past uses or activities resulting in RECs in connection with the site. As defined by the ASTM Standard, a Standard Historical Source is considered complete if the information contained within the source provides the required information back to 1940, or to the first developed use (including agricultural). Ideally, the information should be available in either 5-year intervals or site milestone events (such as initial construction activities, demolition activities, etc.). However, available public and private historical sources do not always fulfill this goal, in which case the closest approximation is made based upon the sources readily available at the time of historical review. The historical review consisted of a search of various public and private Standard Historical Sources, as detailed in the sections below.

Aerial photographs are photographs taken from an airplane or helicopter. When taken from a low enough altitude, they allow the identification of development and activities in the area of a property on a particular date. Historic topographic maps show physical features and land use such as structures, wetlands, roadways, and mines over time.

City Directories have been published for major cities and towns across the United States since the 19th century. City Directories published in the 20th century included a street index for each street address during a given year. City Directories are a valuable source of historical information with regard to site tenancy and use.

Fire insurance maps are detailed drawings that show the location and use of structures on a given property during specific years. These maps were originally utilized by insurance companies to assess fire risk, but are now utilized as a valuable source of historical and environmental-risk information. Fire insurance maps typically exist for cities with populations of 2,000 or more, the coverage dependent on the location of the property.

Land title records and building department records may include information concerning a specific parcel, property development, previous use, and activity use limitations (AUL).

### **4.1 Historical Use**

From the historical information reviewed, ENERCON concludes that the subject property was undeveloped land from at least 1950 through the late 1960s, when the subject property was developed with a medium-sized commercial building on the southern portion of the property. The property operated as a citrus processing and packaging facility known as H & S Citrus from 1966 through approximately 2015, when the facility ceased operation due to the quality of citrus being grown in Florida caused by deteriorating growing conditions. The citrus processing plant is presently only utilized for office purposes currently; however, the processing equipment and associated improvements still remain on the subject property.

Based on the information reviewed, it appears that the historical review has not identified evidence of RECs in connection with the subject property's historical use.

#### **4.1.1 Summary of Historical Use**

ENERCON reviewed readily available/reasonably ascertainable historical sources to determine past uses of the subject and adjoining properties. Historical sources reviewed may have included a combination of aerial photographs, topographic maps, fire insurance maps, city directories, building department records, recorded land title records, and other historical sources. An attempt to obtain fire insurance maps was made, but none were available. A "no coverage letter" was obtained and is included in the Appendices section of this report. The following table is summary of the historical research.

**Historical Summary**

<b>Date</b>	<b>Source</b>	<b>Subject Property</b>	<b>Adjoining Property</b>
1950	Aerial Photographs	The subject property is depicted as undeveloped land.	The adjoining properties are depicted as undeveloped land.
1958	Aerial Photographs	The subject property is depicted as undeveloped land.	The adjoining properties are depicted as undeveloped land.
1965	City Directories	No listings	No listings
1969	Aerial Photographs	The subject property is depicted as developed with a medium-sized commercial building on the southern portion of the property.	North: Undeveloped land East: Undeveloped land South: Undeveloped land Southwest: Commercial building West: Undeveloped land
1969	City Directories	No listings	No listings
1970	Aerial Photographs	The subject property is depicted as developed with a medium-sized commercial building on the southern portion of the property.	North: Undeveloped land East: Undeveloped land South: Undeveloped land Southwest: Commercial building West: Undeveloped land
1974	City Directories	H & Citrus, Inc. citrus packers; Vacant	Southwest: Grose's Interstate Moving and Storage No other listings
1979	City Directories	H & Citrus, Inc. citrus packers; Vacant	Southwest: Grose's Interstate Moving and Storage No other listings
1980	Aerial Photographs	The subject property is depicted as developed with the current citrus processing plant and associated improvements. (The current storage building has not yet been developed)	North: Commercial/industrial building East: Undeveloped land South: Undeveloped land Southwest: Commercial building West: Undeveloped land
1984	City Directories	H & Citrus, Inc.; Auburn Industries	North: Roy's Auto Repair; Bottoms Up Boat Lifts; Bud's Roofing; S & T Automotive Detail Southwest: Grose's Interstate Moving and Storage No other listings
1987	City Directories	H & Citrus, Inc.	No listings
1992	City Directories	H & Citrus, Inc.; D & J Brokers, Inc.	North: Residential listing South: Southern Bell Southwest: Interstate Moving and Storage No other listings
1992	Aerial Photographs	The subject property is depicted as developed with the current citrus processing plant and associated improvements. (The current storage building has not yet been developed)	North: Commercial/industrial building East: Undeveloped land South: Maintenance facility Southwest: Commercial building West: Undeveloped land
1995	City Directories	H & Citrus, Inc.	South: BellSouth Corporation Southwest: Interstate Moving and Storage No other listings

<b>Date</b>	<b>Source</b>	<b>Subject Property</b>	<b>Adjoining Property</b>
1999	Aerial Photographs	The subject property is depicted as developed with the current citrus processing plant and associated improvements. Numerous vehicles were parked throughout the property.	North: Commercial/industrial building East: Undeveloped land South: Maintenance facility Southwest: Commercial building West: Undeveloped land
2000	City Directories	H & Citrus, Inc.	South: BellSouth Telecommunication Southwest: Interstate Moving and Storage No other listings
2005	City Directories	H & Citrus, Inc.	North: S & S Boat Builders South: BellSouth Telecommunication Southwest: Interstate Moving and Storage No other listings
2007	Aerial Photographs	The subject property is depicted as developed with the current citrus processing plant and associated improvements.	North: Commercial/industrial building East: Undeveloped land South: Maintenance facility Southwest: Commercial building West: Undeveloped land
2010	City Directories	H & Citrus, Inc.	North: Laws Electrical Service South: BellSouth Telecom Southwest: Interstate Moving and Storage No other listings
2010	Aerial Photographs	The subject property is depicted as developed with the current citrus processing plant and associated improvements.	North: Commercial/industrial building East: Undeveloped land South: Maintenance facility Southwest: Commercial building West: Undeveloped land
2014	City Directories	H & Citrus, Inc.	South: BellSouth Telecom Southwest: Interstate Moving and Storage No other listings
2017	Aerial Photographs	The subject property is depicted as developed with the current citrus processing plant and associated improvements.	North: Commercial/industrial building East: Undeveloped land South: Maintenance facility Southwest: Commercial building West: Undeveloped land

Environmentally sensitive businesses identified on the subject property and adjoining properties are discussed in Section 5.1 Review of Agency Records Search.

#### 4.2 Interviews

On September 10, 2018 ENERCON interviewed Dr. Robert Deery, President of H and S Citrus. the current owner of the subject property, who has been associated with the property for over 20 years. Dr. Deery reported that the subject property has been operated as a citrus processing and packaging plant since the late 1960s or early 1970s. He stated that he thought that the property was undeveloped land prior to the original development as a citrus plant. Dr. Deery was unaware of any environmental concerns, complaints, permits, violations, or former or existing USTs, or significant quantities of hazardous materials associated with the subject property. Information obtained during the interview

regarding current site conditions are contained in the Site Reconnaissance section of this report as appropriate.

#### **4.3 User's Responsibilities**

As provided in the ASTM Standard and AAI Rule, it is the "user's" (party seeking to use Practice E 1527/AAI to complete the ESA [i.e. potential purchaser, potential tenant, owner]) responsibility to:

- Search for recorded environmental clean up liens and/or AULs;
- Provide "specialized knowledge" of the subject property and adjoining properties;
- And provide consideration of the relationship of the purchase price to the value of the property, if not contaminated.

Land title records include information concerning a specific parcel or real property and its leases, land contracts, and AULs or restrictive covenants used to eliminate potential exposure scenarios. Land titles can include information concerning land use controls or institutional controls for a specific property. According to ASTM E 1527-13, reasonably ascertainable recorded land title records and lien records filed under federal, tribal, state, or local law should be reviewed to identify environmental liens or AULs. Recorded environmental cleanup liens are encumbrances on property for the recovery of incurred cleanup costs on the part of a state, tribal or federal government agency or other third party. Recorded environmental cleanup liens often provide an indication that environmental conditions either currently exist or previously existed on a property that may include the release or threatened release of a hazardous substance. The existence of an environmental cleanup lien should be viewed as an indicator of potential environmental concerns and as a basis for further investigation into the potential existence of on-going or continued releases or threatened releases of hazardous substances on, at, in, or to the subject property.

The investigation must include a search for recorded environmental cleanup liens. If information is collected by the user, ASTM allows for, but does not require, the information to be provided to the environmental professional. If the user is aware of any specialized knowledge or experience material to RECs in connection with the property, it is the user's responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional.

- The user did not provide ENERCON information resulting from the search of recorded environmental clean up liens and/or AULs.
- The user did not communicate to ENERCON any specialized knowledge or experience material to RECs.

The User Questionnaire was not provided by the Client for this project and therefore not included in this report.

#### **4.4 Previous Environmental Documentation**

No previous environmental reports prepared for the subject property were supplied for ENERCON's review.

## 5.0 Agency Records Review

In an effort to determine whether the property or nearby sites have reported USTs, hazardous waste generation, or hazardous material releases, regulatory information from the federal and state agencies as required by ASTM were reviewed. Several agencies have published documents that list businesses or properties that have handled hazardous materials or waste or may have experienced site contamination. The federal and state database review was provided by Environmental Data Resources (EDR) of Shelton, Connecticut and is reportedly the most recent database information available from each agency (EDR 2018). The number of sites which appear on reviewed databases are listed in the table below. If a database does not include any findings, it is not included on the table below, but can be viewed in the table included in the appended copy of the EDR report. All databases searched and their search range criteria are included in the appendix. ENERCON did not verify the locations and distances of every property listed by EDR. ENERCON verified the location and distances of the properties ENERCON deemed as having the potential to pose an environmental impact to the subject property. The actual location of the listed properties may differ from the EDR listing. The actual distances of the listed properties are based on observations during ENERCON's site reconnaissance.

### Map Findings Summary

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RCRA-CESQG		0.25	4	2	NR	NR	NR	6
FINDS	X	TP	NR	NR	NR	NR	NR	1
EDR Hist Auto		0.125	1	NR	NR	NR	NR	1
RCRA NonGen / NLR		0.25	2	2	NR	NR	NR	4
SWF/LF		0.5	0	0	2	NR	NR	2
LUST		0.5	3	3	4	NR	NR	10
UST		0.25	4	2	NR	NR	NR	6
AST		0.25	2	1	NR	NR	NR	3
RESP PARTY		0.5	1	0	3	NR	NR	4
DWM CONTAM		0.5	0	0	2	NR	NR	2
SITE INV SITES		0.5	0	0	2	NR	NR	2
WASTEWATER	X	TP	NR	NR	NR	NR	NR	1

### 5.1 Review of Agency Records Search

ENERCON's review of the EDR regulatory database report indicates that the subject property is listed on the National Pollutant Discharge Elimination System (NPDES) and Facility Index System (FINDS) researched regulatory databases.

The subject property, identified as H & S Citrus, Inc. Citrus Packing House, is listed on the NPDES database for the issuance of an active industrial wastewater permit under facility identification number FLA014005. The facility is listed as an active, existing, permitted facility for which effluent, reclaimed water, or wastewater residual discharges into the environment and/or monitoring is taking place. The permit was originally issued October 15, 2014 and expires on October 14, 2019. According to the database, the treatment is listed as "screening, settling, tanker truck hauled to sprayfield off-site". According to Dr. Deery, the rinse water from the cleaning and waxing process generates non-hazardous wastewater, is stored in the large on-site ASTs, and then transported off-site via tanker trucks for disposal in an orchard addressed at 4910 Ralls Road in Fort Pierce, which eventually dispersed the wastewater onto the orchard. The subject property is listed on the FINDS database under Registry ID: 110027959760 for the aforementioned NPDES listing. No violations or releases were reported. These listings pose a low environmental concern to the subject property.

VEC is defined as the presence or likely presence of chemicals of concern in the vapor phase in the sub-surface of the subject property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property. Based on the lack of evidence indicating a current

release on the subject property or adjoining properties, the threat of vapor intrusion on the subject property is minimal.

The following table is a summary of sites identified in the EDR regulatory database deemed to have a potential to pose an environmental impact to the subject property. Properties not discussed below, which appeared on local, state, or federally published lists of sites that use or have had releases of hazardous materials, are of sufficient distance and/or situated cross/down-gradient to the subject property, such that impact to the subject property is not likely.

#### Detail Summary

<b>Site Name:</b>	SOUTHERN BELL-FT PIERCE SOC, a.k.a. BELLSOUTH TELECOMMUNICATIONS, a.k.a. BELLSOUTH TELECOMMUNICATIONS INC, a.k.a. SOUTHERN BELL
<b>Databases:</b>	UST, RESP PARTY, FINDS, RCRA-CESQG, ECHO
<b>Address:</b>	3402 ENTERPRISE RD
<b>Distance in feet:</b>	247 (adjoining)
<b>Direction:</b>	South
<b>Topographic Gradient:</b>	Cross-gradient
<b>Comments:</b>	The adjoining property to the south is listed on the UST database for the previous presence of one 1,000-gallon waste oil UST and one 500-gallon new/lube oil UST. Both USTs were removed in September 1992. According to a letter dated August 23, 2001 from the St. Lucie County Health Department, the agency granted closure due to a lack of contamination reported. No further assessment was required during closure. Due a closed remedial status of the previous USTs, as well as the distance and cross-gradient location of the site, this facility poses a low environmental concern to the subject property.

## 5.2 Orphan Properties

The orphan or unmapped site list consists of listed properties that have inadequate address information. However, if street addresses are available, the site locations are checked against the known location of the subject property to determine their relative location from the subject property.

Based on available address information, business listings, and area reconnaissance, none of the orphan sites are located within the search radius of the subject property.

## 5.3 Local Agency Records Search

Following is a discussion of record searches performed at local government agencies or personal/telephone contacts made which provided information relevant to the subject property.

### Property Appraiser

ENERCON accessed the SLCPA website on September 10, 2018 for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. No environmentally sensitive issues were reported. The available information obtained from the website is included with this report as an Additional Information document in the Appendices portion of the report.

### Fire Department

ENERCON contacted the Saint Lucie County Fire District via a Freedom of Information Act (FOIA) request letter on September 10, 2018 for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. A response from the agency has not been received as of the release of this report. Any pertinent information, when received, will be forwarded.

### Health Department

ENERCON contacted the Florida Department of Environmental Health via FOIA request letter on September 10, 2018 for the purpose of conducting a records search of past or current environmental

concerns associated with the subject property. A response from the agency has not been received as of the release of this report. Any pertinent information, when received, will be forwarded.

**State Environmental Agency**

ENERCON researched the Florida Department of Environmental Protection (FDEP) OCULUS database for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. The available documentation is discussed in Section 5.1: Review of Agency Records Search, of this report.

## 6.0 Additional Services

Certain conditions are beyond the scope of ASTM Phase I ESA and are therefore outside the scope of this assessment, unless specifically addressed in this report. Those conditions include but are not limited to:

- Corrosive Drywall (Chinese Drywall)
- Lead in Drinking Water
- Wetlands
- Regulatory Compliance
- Cultural and Historic Resources
- Industrial Hygiene
- Health and Safety
- Ecological Resources
- Endangered Species
- Indoor Air Quality
- High Voltage Powerlines and Electromagnetic Fields (EMF)
- Environmental Permitting Issues
- Radioactive Materials whether or not under the Jurisdiction of the Nuclear Regulatory Commission

### Asbestos-Containing Materials

Asbestos is an incombustible, chemical-resistant, carcinogenic, fibrous mineral. Asbestos containing materials (ACM) have been used extensively in fireproofing, electrical insulation, building materials, brake linings, and chemical filters.

ENERCON's scope of work concerning ACM on the property was designed solely to identify the potential for contamination from the most obvious and common suspect ACMs. The determination of exact quantities and locations of all ACMs was beyond the scope of this ESA. Only readily accessible building materials were observed. Inaccessible areas are not included in our observations since they are normally investigated prior to building renovation or demolition work. Inaccessible areas include, but are not limited to, roofs, pipe chases behind solid walls and ceilings, concealed floor coverings, the interior of machinery and equipment, and the water and sewer system.

A material is considered to be asbestos-containing if it contains greater than one percent asbestos as analyzed by polarized light microscopy (PLM) coupled with dispersion staining techniques. Friable ACM, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM can be crumbled, pulverized, or reduced to powder during machining, cutting, drilling, or other abrasive procedures. Friable ACM is more likely to release fibers when disturbed or damaged than non-friable ACM.

Based on the construction date of the subject property (late 1960s), the presence of asbestos is likely. Asbestos sampling was not conducted as part of this assessment. ENERCON observed several areas of damaged suspect asbestos-containing building materials during the site reconnaissance. The damaged building materials consist of acoustic ceiling tiles and fireproofing insulation.

Should significant renovation or demolition be planned at the subject property, an asbestos demolition survey should be conducted by a licensed professional in accordance with local, state, and federal regulations.

### Radon

Radon is a colorless, odorless, naturally-occurring, radioactive gas originating from the breakdown of uranium in the subsurface. Radon is a known carcinogen implicated as a cause of lung cancer. The US EPA has published a Map of Radon Zones in the United States, which indicates the property is in a Zone 3 potential for radon gas. Zone 3 has a predicted average indoor radon screening level of less than 2.0

PicoCuries per liter (pCi/L). The US EPA recommends additional testing and investigation when radon levels are greater than 4.0 pCi/L.

Due to the non-residential use of the subject property, radon is considered a low environmental concern.

### **Lead-Based Paint**

Paints manufactured before 1960 were heavily leaded. Lead content was tapered off until 1978 when lead was banned from use in household paint. Lead is toxic to humans, especially children because of their size and weight. High concentrations of lead are believed by some medical authorities to cause mental retardation, seizures, coma, and death in children. Adults may suffer severe nervous disorders, but are less likely to die from acute lead exposure. Lead-based paint (LBP) in good condition is not usually a problem except in places where painted surfaces rub against each other and create dust, such as the friction surfaces of a painted window.

The US EPA does not publish a guideline or threshold limit specifically for lead in paint for private housing; however, the LBP Poisoning Prevention Act requires public housing projects to be inspected for LBP. Under the statute, LBP is defined as paint containing at least 0.5% lead by weight. Lead concentrations above this limit must be managed with an Operations and Maintenance (O&M) Program, or be abated if in poor condition. The 0.5% threshold is equivalent to 5,000 mg/kg (parts per million) of lead.

Based on the subject building's date of construction (late 1960s), the presence of LBP is likely; however, given the commercial use of the subject property, LBP is considered a low environmental concern. Painted surfaces appeared to be in relatively good condition.

### **Water Intrusion**

Molds can be found almost anywhere, and will grow on virtually any organic substance as long as moisture and oxygen are present. There are molds that grow on wood, paper, carpet, foods, and insulation. When excessive moisture accumulates in buildings or on building materials, mold growth will often occur, particularly if the moisture source remains undiscovered, untreated, or ignored. It is impossible to eliminate all molds and mold spores in the indoor environment; however, mold growth can be controlled indoors in most cases by controlling the amount of moisture available. Moisture issues can result from many causes, including uncontrolled humidity, leaking roofs, plumbing or piping issues, condensation on water lines, etcetera. Delayed or insufficient maintenance practices are usually associated with moisture problems in commercial-use and multi-family residential buildings. Molds reproduce by propagating spores that usually cannot be seen without magnification. Mold spores continuously travel through the air and, after landing on a damp surface, begin to grow. Mold growth occurs through digestion of the parent material, which is destroyed as a result of this process.

Water damaged acoustic ceiling tiles were noted in the warehouse building. No active leaks were observed. No evidence of mold or other areas of water infiltration were observed either by visual or olfactory means during the site assessment. This does not preclude or rule out the possibility of mold-related issues. According to Dr. Deery, no complaints regarding health problems, musty odors, or water leaks pertaining to mold have been filed. Outward and obvious signs of mold that could affect indoor air quality or deteriorate concealed, structural building materials were not observed.

There were no reported issues from the contacted regulatory agencies that mold had either been a past concern or is a current concern at the subject property. ENERCON was not provided with information concerning any water intrusion events or response plans or mold remediation plans; in addition, ENERCON was not provided with any site personnel mold/water intrusion training plans. Therefore, no assessment or recommendations or opinions are provided as to the actual or potential presence or severity of water intrusion or mold events at the site or as to the adequacy of any mold/water intrusion training or maintenance or response plans.

## 7.0 Findings

The following summarizes the findings of this assessment.

### 7.1 Property Description and Observations

The subject property consists of a former citrus processing plant operated by H & S Citrus, which previously provided high end citrus products to fund raising businesses. The subject property is generally located on the northeastern corner of the intersection of Grose Road (to the south) and Enterprise Road (to the west), in Fort Pierce, Saint Lucie County, Florida. The subject property is identified by SLCPA under Parcel IDs: 2428-502-0033-000-1 and 2428-502-0035-000-5 and consists of 3.66 acres of commercially developed land. The ownership, address, date of purchase, size, and legal description for each parcel is as follows:

- 2428-502-0033-000-1; H and S Citrus Inc.; 1237 Grose Road; August 9, 1976; 2.42 acres; INDUSTRIAL S/D LOT 28-LESS W 156FT- (2.42 AC) (OR 205-1297: 256-175)
- 2428-502-0035-000-5; George B Brown, Robert E Derry, and Lois S Derry; 3340 Enterprise Road; March 5, 2014; 1.46 acres; INDUSTRIAL S/D SLY 100 FT OF LOT29 (1.46 AC) (OR 712-1970; 3612-657)

The southern parcel of the subject property is developed with a citrus processing plant, originally developed in 1972, comprising a total of 24,217 square feet of building area. The building contains the processing area, as well as office areas, a maintenance area, a cold storage area, and a loading dock area. A 2,100 square foot addition was constructed in 1997. The processing area contains numerous large hydraulically-actuated citrus processing equipment, including large conveyor belts and sorters. The eastern side of the citrus plant is constructed with a large canopy area. The canopy area contains the citrus washing and waxing equipment, including four large (approximately 200 to 300 gallons) polyethylene totes and four 55-gallon polyethylene drums containing various fruit cleaners and detergents, as well as waxing agents. An additional 55-gallon drum was located adjacent to the canopy area and was connected directly to the citrus washing equipment.

Two large (approximately 5,000 gallons each) ASTs are located to the northeast of the citrus processing building. The tanks were previously utilized to store the rinse water from the fruit cleaning process. Reportedly, the water was transported off-site via tanker trucks and deposited in a pond located within a citrus grove. The water was then pumped from the pond and sprayed throughout the citrus groves. According to Dr. Deery, the off-site pond underwent assessment and was closed. No hazardous materials were identified in association with the off-site pond. An abandoned tanker trailer was stationed adjacent to the ASTs. The ASTs are also equipped with a concrete containment located at the transfer point of the tanks. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of these ASTs.

An approximate 500-gallon AST previously containing diesel fuel utilized to fuel the tractor trailers that transported the wash water is located adjacent to the wash water ASTs. The diesel fuel tank appeared to be empty; however, ENERCON was unable to confirm if the AST was completely empty. The tank was situated in a concrete secondary containment unit. No staining was observed within the secondary containment or in the vicinity of the containment structure. A second similarly-sized and constructed AST is located near the wash water tanks. The tank was empty and open. Reportedly, the tank, which previously contained diesel fuel, was emptied and cleaned prior to removal from the concrete secondary containment area and placed in its current location. No stained soil, dead vegetation, or indications of a release were observed within the vicinity of this AST.

Based on a review of available regulatory documentation, no indication of the presence of these ASTs is on file with the FDEP. The presence of these ASTs poses a low environmental concern.

The southern parcel is also developed with an unheated single-story storage building, originally constructed in 1992, comprising a total of 2,400 square feet of building space. The storage building contains a large open-air storage area, as well as three enclosed storage areas, accessed via metal roll up doors.

The northern parcel is developed with an office/warehouse building, originally developed in 1967, comprising 2,400 square feet of building area. The building is currently used for storage of files, furniture, and other office equipment.

Additional improvements include a potable water well (not currently used); paved and packed dirt parking areas and drive lanes; and chain link perimeter fencing. The eastern portion of the property is vacant land with native vegetation.

No evidence of RECs in connection with the property was identified during the site reconnaissance.

## **7.2 Historical Use**

From the historical information reviewed, ENERCON concludes that the subject property was undeveloped land from at least 1950 through the late 1960s, when the subject property was developed with a medium-sized commercial building on the southern portion of the property. The property operated as a citrus processing and packaging facility known as H & S Citrus from 1966 through approximately 2015, when the facility ceased operation due to the quality of citrus being grown in Florida caused by deteriorating growing conditions. The citrus processing plant is presently only utilized for office purposes currently; however, the processing equipment and associated improvements still remain on the subject property.

Based on the information reviewed, it appears that the historical review has not identified evidence of RECs in connection with the subject property's historical use.

## **7.3 Review of Federal and State Record Search**

ENERCON's review of the EDR regulatory database report indicates that the subject property is listed on the NPDES and FINDS researched regulatory databases.

The subject property, identified as H & S Citrus, Inc. Citrus Packing House, is listed on the NPDES database for the issuance of an active industrial wastewater permit under facility identification number FLA014005. The facility is listed as an active, existing, permitted facility for which effluent, reclaimed water, or wastewater residual discharges into the environment and/or monitoring is taking place. The permit was originally issued October 15, 2014 and expires on October 14, 2019. According to the database, the treatment is listed as "screening, settling, tanker truck hauled to sprayfield off-site". According to Dr. Deery, the rinse water from the cleaning and waxing process generates non-hazardous wastewater, is stored in the large on-site ASTs, and then transported off-site via tanker trucks for disposal in an orchard addressed at 4910 Ralls Road in Fort Pierce, which eventually dispersed the wastewater onto the orchard. The subject property is listed on the FINDS database under Registry ID: 110027959760 for the aforementioned NPDES listing. No violations or releases were reported. These listings pose a low environmental concern to the subject property.

Additional properties which appeared on local, state, or federally published lists of sites that use or have had releases of hazardous materials, are of sufficient distance and/or situated cross/down-gradient to the subject property, such that impact to the subject property is not likely.

## 8.0 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 of the subject property. Any exceptions to, or deletions from, this practice are described in the Deviation section of this report.

This assessment has revealed no evidence of RECs, HRECs, CRECs, VECs or environmental regulatory non-compliance issues in connection with the subject property.

This assessment has revealed evidence of the following Business Environmental Risks in connection with the subject property:

- Hazardous materials are still present on the currently closed citrus processing facility, including a diesel fuel AST and various drums and totes containing citrus washing and waxing chemicals, as well as numerous containers containing petroleum products.
- Based on the construction date of the subject property (late 1960s), the presence of asbestos is likely. Asbestos sampling was not conducted as part of this assessment. ENERCON observed several areas of damaged suspect asbestos-containing building materials during the site reconnaissance. The damaged building materials consist of acoustic ceiling tiles and fireproofing insulation.

This assessment has revealed evidence of the following *de minimis* conditions in connection with the subject property:

- Stained asphalt was observed throughout the subject property.
- Stained concrete flooring in the maintenance area of the citrus processing building.

### **RECOMMENDATION**

ENERCON recommends no additional assessment.

ENERCON recommends the removal and disposal of all hazardous materials on the subject property by a properly certified hazardous waste disposal company, if they are not planned for future use.

Should significant renovation or demolition be planned at the subject property, an asbestos demolition survey should be conducted by a licensed professional in accordance with local, state, and federal regulations.

## References

American Society for Testing and Materials (ASTM) 2013. Practice E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental Data Resources, Inc. (EDR). 2018. Aerial Photo Decade Package, 1950 -2017. Inquiry number 5404436.9s, We Buy Scrap, LLC, 1237 Grose Road Fort Pierce, FL. August 27.

EDR. 2018. Certified Sanborn Map Report, No coverage letter. Inquiry number 5404436.3s, We Buy Scrap, LLC, 1237 Grose Road Fort Pierce, FL. August 24.

EDR. 2018. City Directory Abstract, Inquiry number 5404436.5s, We Buy Scrap, LLC, 1237 Grose Road Fort Pierce, FL. August 27.

EDR. 2018. Radius Map Report, Inquiry number 5404436.2s, We Buy Scrap, LLC, 1237 Grose Road Fort Pierce, FL. August 24.

Saint Lucie County Property Appraiser. <http://www.pasl.org/map/propertySearch.html>

Environmental Protection Agency (EPA) Map of Radon Zones. <http://www.epa.gov/radon/zonemap.html>

FDEP. Storage Tank and Petroleum Contamination Cleanup Monitoring (STCM), [http://www.dep.state.fl.us/waste/quick\\_topics/database\\_reports/pages/stcm/stcm\\_reports.htm](http://www.dep.state.fl.us/waste/quick_topics/database_reports/pages/stcm/stcm_reports.htm)

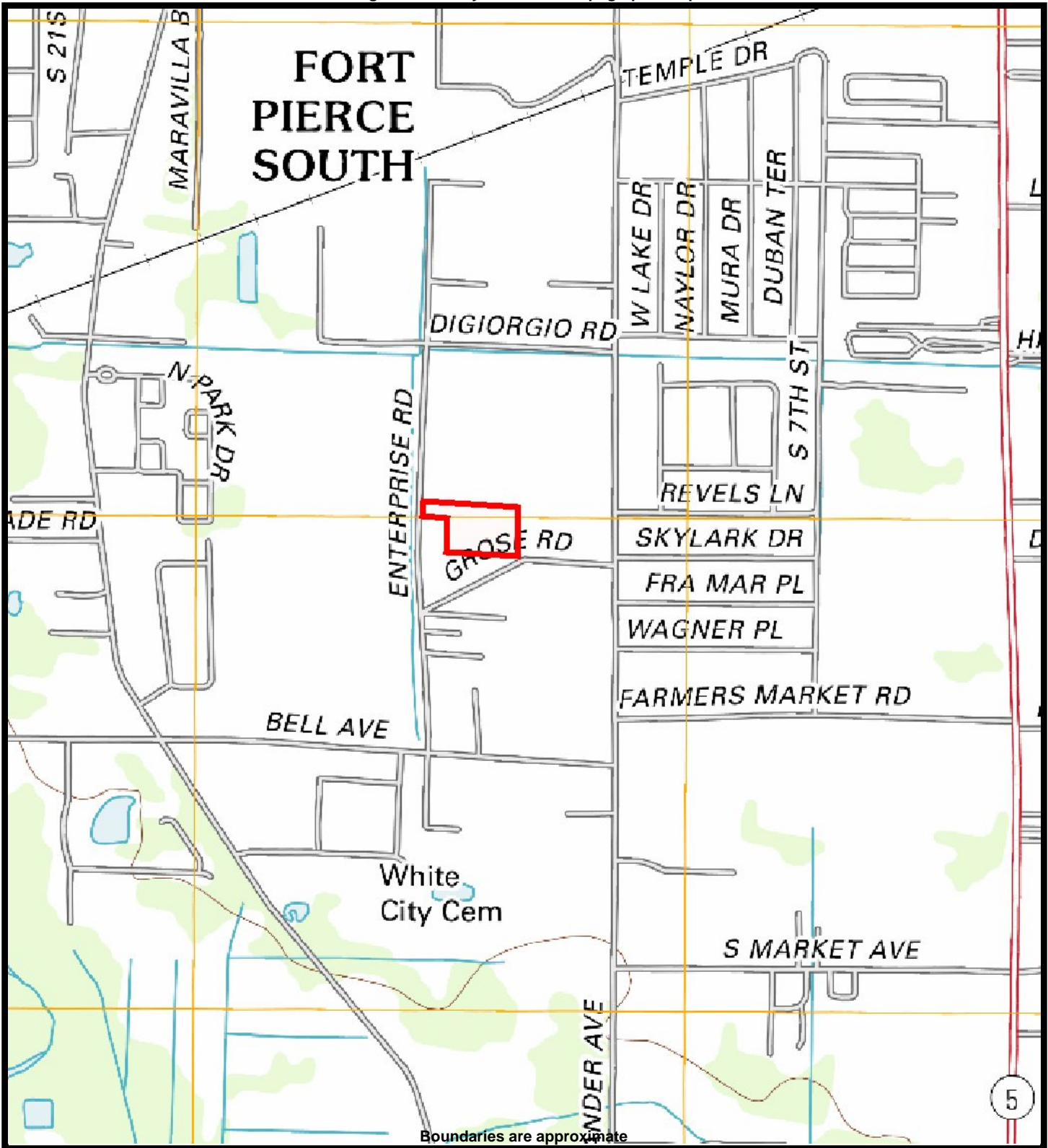
FDEP. Division of Waste Management Document Management System, OCULUS, <http://dwmedms.dep.state.fl.us/>.

FDEP. Office of Technology and Information Services, <http://publicfiles.dep.state.fl.us>

FDEP. Storage Tank and Petroleum Contamination Cleanup Monitoring (STCM), [http://www.dep.state.fl.us/waste/quick\\_topics/database\\_reports/pages/stcm/stcm\\_reports.htm](http://www.dep.state.fl.us/waste/quick_topics/database_reports/pages/stcm/stcm_reports.htm)

U.S. Environmental Protection Agency. 2013. "Standards and Practices for All Appropriate Inquiries; Final Rule" (40 Code of Federal Regulations Part 312). Federal Register Vol. 78, No. 210. December 30.

# Figures



TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale





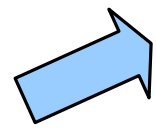
Figure 1  
Site Location Map

Project No: TDBANK00605

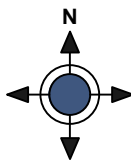
Sabal Chase Apartments  
100 Corner Drive



Legend	
	Site Boundary
	Presumed Groundwater Flow Direction



TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Road  
Fort Pierce, Florida 34982



Not To Scale



Figure 2  
Site Map

Project No: TDBANK00605

# Photographs



1 : Southern elevation of the citrus processing building



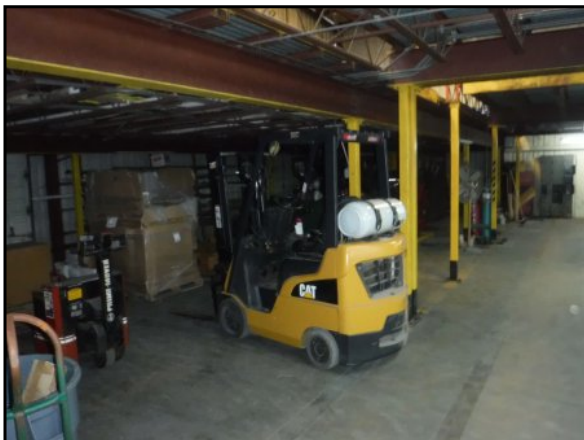
2 : Grose Road, looking west



3 : Adjoining property to the southwest (moving and storage company)



4 : Citrus processing building interior



5 : Citrus processing building interior



6 : Maintenance area of the citrus processing building



7 : Maintenance area of the citrus processing building



8 : Maintenance area of the citrus processing building



9 : Citrus processing equipment



10 : Citrus processing equipment



11 : Citrus processing equipment



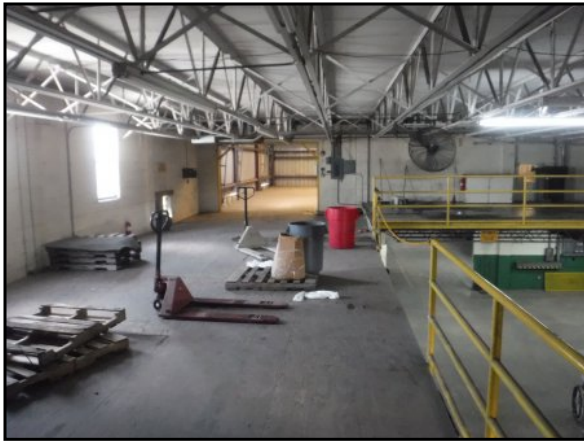
12 : Citrus processing equipment



13 : Hydraulic oils for the processing equipment



14 : Hydraulic oils for the processing equipment



15 : Mezzanine area (second floor) in citrus processing building



16 : Mezzanine area (second floor) in citrus processing building



17 : Loading dock area in the citrus processing building



18 : Cold storage area in the citrus processing building



19 : Cold storage area in the citrus processing building



20 : Hydraulic fluids



21 : Loading dock area for the citrus processing building



22 : Office area in the citrus processing building



23 : Office area in the citrus processing building



24 : Northern elevation of the citrus processing building



25 : Drum of washing detergents near washing area



26 : Drum of washing detergents near washing area



27 : Paved area to the northeast of the citrus processing building



28 : Paved area to the northeast of the citrus processing building



29 : Washing and waxing chemical storage canopy



30 : Typical tote containing washing solutions



31 : Typical tote containing washing solutions



32 : Drum containing washing solution



33 : Diesel fuel AST in secondary containment



34 : Washwater ASTs



35 : Storage building, looking southwest



36 : Citrus processing building, looking southwest



37 : Undeveloped area on northeast portion of the property



38 : Discarded abandoned diesel fuel AST



39 : Washwater transfer area to tanker trailer



40 : Northern elevation of the storage building



41 : Petroleum containers stored in storage building



42 : Tires stored in storage building



43 : Petroleum containers stored in storage building



44 : Petroleum containers stored in storage building



45 : Western elevation of the storage building



46 : Old equipment stored in storage building



47 : Northern elevation of citrus processing building



48 : Previous potable water well



49 : Overview of citrus processing building, looking south



50 : Overview of citrus processing building, looking southwest



51 : Northern elevation of citrus processing building



52 : Warehouse building, looking northwest



53 : Property overview, looking east



54 : Office area of the warehouse building



55 : Office area of the warehouse building



56 : Storage area of the warehouse building



57 : Storage area of the warehouse building



58 : Storage area of the warehouse building



59 : Adjoining property to the west (undeveloped land)



60 : western elevation of the warehouse building



61 : Adjoining property to the north  
(multi-tenant industrial building)



62 : Property overview, looking east



63 : Property overview, looking northeast



64 : Southern elevation of the citrus processing  
building



65 : Southern elevation of the storage building



66 : Eastern elevation of the storage building

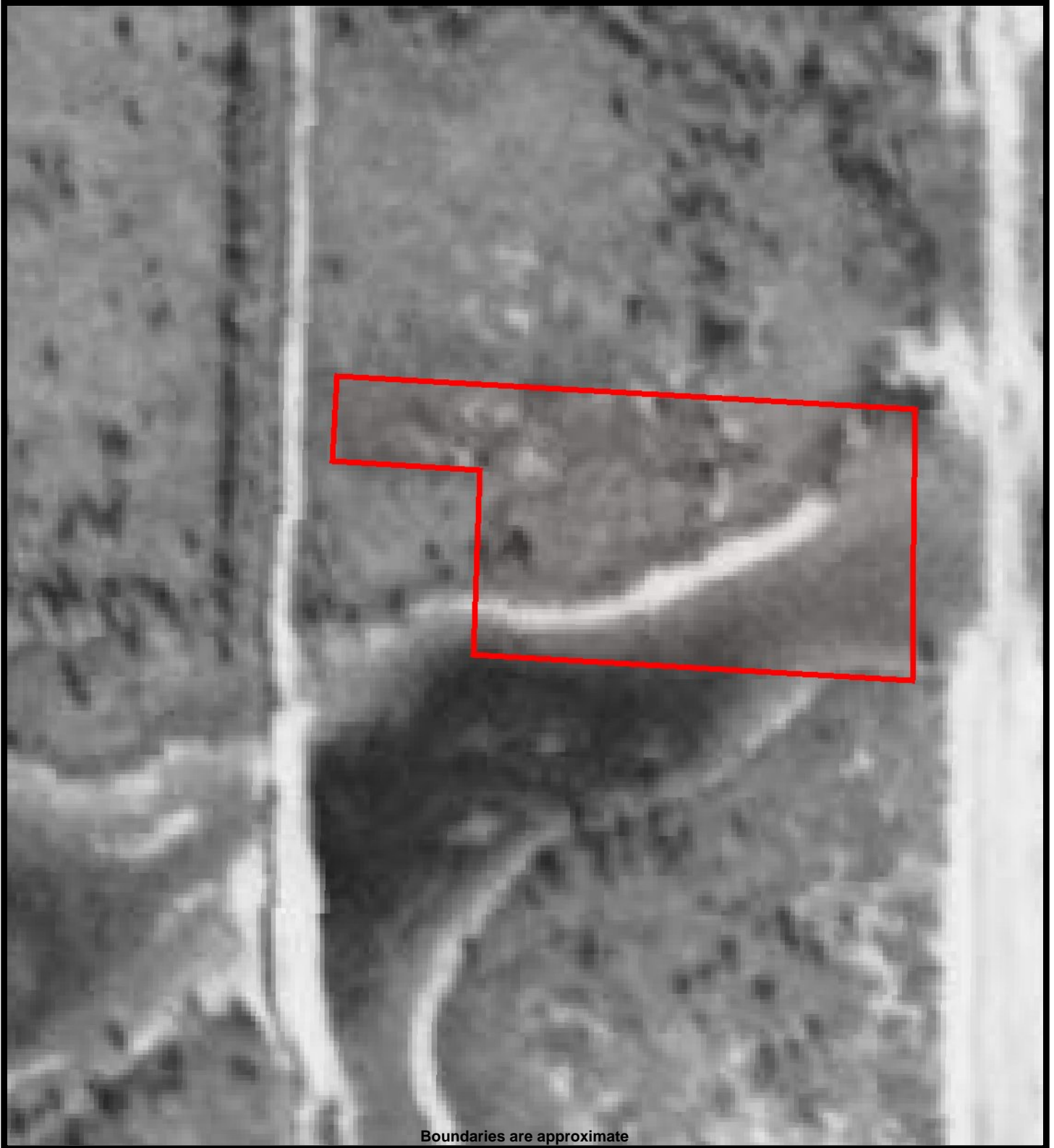


67 : Pole mounted transformers along southern adjoining street



68 : Adjoining property to the south (maintenance facility)

# **Historical Research Documentation**



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 1950

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 1958

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 1969

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982

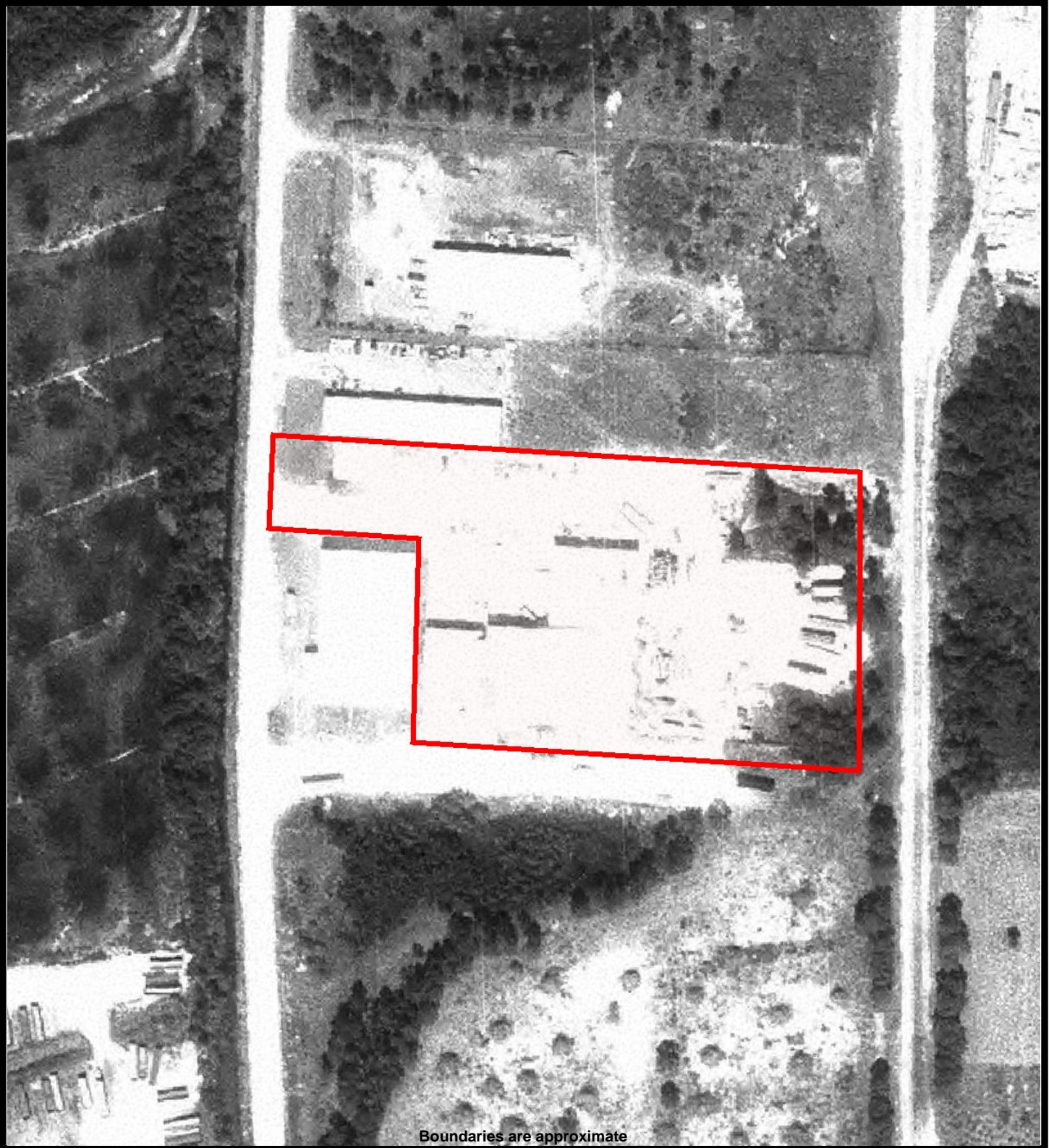


Not to Scale



Figure  
Aerial - 1970

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982

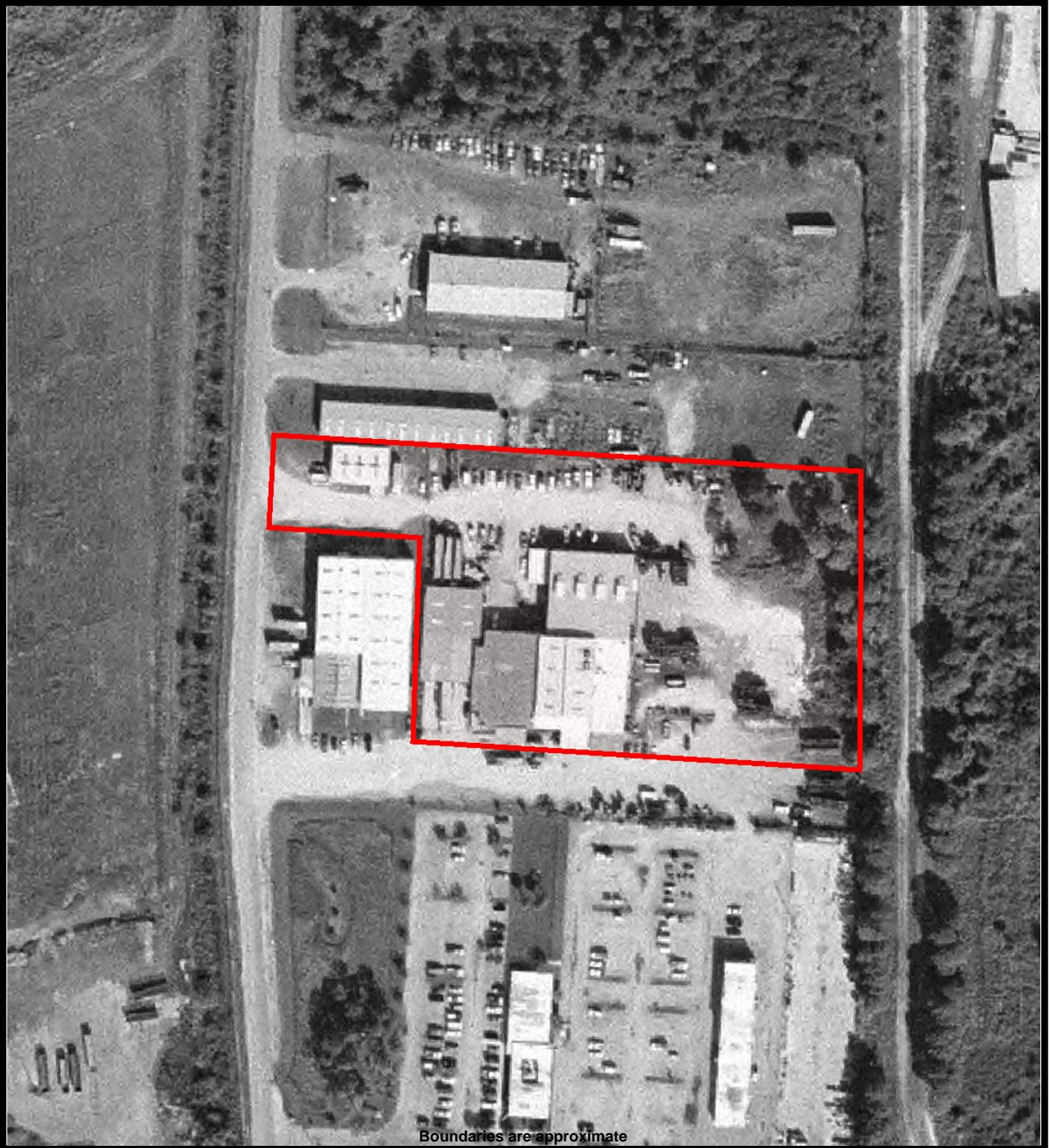


Not to Scale



Figure  
Aerial - 1980

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 1992

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 1999

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 2007

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



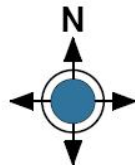
Figure  
Aerial - 2010

Project No: TDBANK00605



Boundaries are approximate

TD Bank, N.A.  
WE BUY SCRAP, LLC  
1237 Grose Rd  
Fort Pierce, Florida 34982



Not to Scale



Figure  
Aerial - 2017

Project No: TDBANK00605

**We Buy Scrap, LLC**

1237 Grose Rd  
Fort Pierce, FL 34982

Inquiry Number: 5404436.5  
August 27, 2018

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

*infoUSA*<sup>®</sup>

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1987	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1984	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1979	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1974	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1969	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1965	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

## FINDINGS

### TARGET PROPERTY STREET

1237 Grose Rd  
Fort Pierce, FL 34982

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### GROSE RD

2014	pg A2	EDR Digital Archive	
2010	pg A4	EDR Digital Archive	
2005	pg A6	EDR Digital Archive	
2000	pg A8	EDR Digital Archive	
1995	pg A10	EDR Digital Archive	
1992	pg A12	EDR Digital Archive	
1987	pg A14	EDR Digital Archive	
1984	pg A16	Polk's City Directory	
1979	pg A19	Polk's City Directory	
1979	pg A20	Polk's City Directory	
1974	pg A22	Polk's City Directory	
1969	-	Polk's City Directory	Street not listed in Source
1965	-	Polk's City Directory	Street not listed in Source

## FINDINGS

### CROSS STREETS

Year            CD Image            Source

### ENTERPRISE RD

2014	pg. A1	EDR Digital Archive	
2010	pg. A3	EDR Digital Archive	
2005	pg. A5	EDR Digital Archive	
2000	pg. A7	EDR Digital Archive	
1995	pg. A9	EDR Digital Archive	
1992	pg. A11	EDR Digital Archive	
1987	pg. A13	EDR Digital Archive	
1984	pg. A15	Polk's City Directory	
1979	pg. A17	Polk's City Directory	
1979	pg. A18	Polk's City Directory	
1974	pg. A21	Polk's City Directory	
1969	-	Polk's City Directory	Street not listed in Source
1965	-	Polk's City Directory	Street not listed in Source

## **City Directory Images**

**ENTERPRISE RD 2014**

3086 RICHMOND THOMAS E ELECTRIC  
3102 K R K ENTERPRISES INC  
KRK ENTERPRISES INC  
ROBERT HINEBAUGH INC  
3206 SILVER-LINE PLASTICS CORP  
3302 LAND EQUIPMENT INC  
M & M MARINE SERVICES INC  
3306 CAPTREE VENTURES LLC  
UNDERWATER ENGRG SVCS INC  
3310 KAUFFS OF PALM BEACH INC  
3402 ATT FAX-DIST  
BELLSOUTH TELECOM INC  
TELCO W PALM BCH FIRE RESCUE  
3416 INDIAN RIVER INSULATION CO INC  
3418 VIKING MARINE INDUSTRIES INC  
3420 GLOBAL ENERGY TECHNOLOGY LLC  
VIKING DIVING SERVICES INC  
3500 BIG RED TOMATO PACKERS



-

**GROSE RD 2014**

1237 H & S CITRUS INC  
1270 GROSES INTERSTATE MVG & STOR  
INTERSTATE MOVING & STORAGE

**ENTERPRISE RD 2010**

3086 RICHMOND THOMAS E ELECTRIC  
3102 K R K ENTERPRISES INC  
ROBERT HINEBAUGH INC  
3206 SILVER-LINE PLASTICS CORP  
3302 MULLINS CRANE LLC  
3306 MOBILE GEAR  
TIER ONE COMMUNICATION LL  
3310 KAUFFS OF FT PIERCE INC  
KAUFFS OF PALM BEACH INC  
3338 LAWS ELECTRICAL SERVICE  
3402 ATT FAX-DIST  
BELLSOUTH TELECOM INC  
3416 INDIAN RIVER INSULATION CO INC  
3418 VIKING DIVING SERVICES INC  
3420 SOUND TECHNOLOGIES INTL INC  
3500 BIG RED TOMATO PACKERS



-

**GROSE RD 2010**

1237 H & S CITRUS INC  
1270 GROSES INTERSTATE MVG & STOR  
INTERSTATE MOVING & STORAGE

**ENTERPRISE RD 2005**

3082 WEATHERSEAL INC  
3086 RICHMOND THOMAS E ELECTRIC  
3102 K R K ENTERPRISES INC  
ROBERT HINEBAUGH INC  
3206 WOP ACQUISITION CORP  
3302 DEPLOYED RESOURCES LLC  
MULLINS INC  
3306 DOYLE MASONRY INC  
3310 KAUFFS OF FT PIERCE INC  
KAUFFS OF PALM BEACH INC  
3338 S&S BOAT BUILDER  
3402 BELLSOUTH TELECOMMUNICATIONS  
3416 INDIAN RIVER INSULATION CO INC  
NEW YORK AC & HTG  
3418 CONCO INC  
GARAGE DOOR SYSTEM INC  
GARAGE DOOR SYSTEMS INC  
3420 KENDALL RON MASONRY INC  
3500 BIG RED TOMATO PACKERS

**GROSE RD 2005**

1237 H & S CITRUS INC  
1270 GROSES INTERSTATE MVG & STOR  
INTERSTATE MOVING & STORAGE

**ENTERPRISE RD 2000**

3082 WEATHERSEAL INC  
3086 RICHMOND THOMAS E ELECTRIC  
3102 ROBERT HINEBAUGH INC  
3302 MULLINS INC  
3310 KAUFFS OF FT PIERCE INC  
3402 BELLSOUTH TELECOMMUNICATIONS  
3416 FLORIDA NEWS GROUP LTD  
3418 THEW, PATRICK A  
TRI COUNTY DOORS INC  
UTILITIES DESIGN INC  
3420 INDIAN RIVER INSULATION CO INC  
JATNAR INC  
3500 BIG RED TOMATO PACKERS



-

**GROSE RD 2000**

1237 H & S CITRUS INC  
1270 GROSES INTERSTATE MVG & STOR  
INTERSTATE MOVING & STORAGE

**ENTERPRISE RD 1995**

3082 WEATHERSEAL INC  
3084 OCCUPANT UNKNOWNN  
3086 RICHMOND THOMAS E ELECTRIC  
3102 PORT ST LUCIE TRACTOR SERVICE  
ROBERT HINEBAUGH INC  
3302 BANNER ALUMINUM PRODUCTS  
MULLINS INC  
3310 KAUFFS OF FT PIERCE INC  
3402 BELLSOUTH CORPORATION  
3416 F E C NEWS DISTRIBUTING CO  
3418 7EW INC  
3420 JATNAR INC  
3500 BIG RED TOMATO PACKERS

**GROSE RD 1995**

1237 H & S CITRUS INC  
1270 INTERSTATE MOVING & STORAGE

**ENTERPRISE RD 1992**

3080 ACTION AUTO WHOLESale  
JACK RABBIT AUTO SERVICE  
3086 RICHMOND THOMAS E ELECTRIC  
3102 KELLY BROTHERS TRACTOR SERVICE  
PORT ST LUCIE TRACTOR SERVICE  
3302 BANNER ALUMINUM PRODUCTS  
COQUINA INDUSTRIES INC  
MULLINS INC  
STAGE PRO OF TREAS COAST  
3310 KAUFFS OF FORT PIERCE INC  
KAUFFS OF PALM BEACH INC  
3338 CRISWELL, DOUGLAS  
3402 SOUTHERN BELL  
3500 BIG RED TOMATO PACKERS



-

**GROSE RD 1992**

1237 D & J BROKERS INC  
H & S CITRUS INC  
1270 INTERSTATE MOVING & STORAGE

**ENTERPRISE RD 1987**

3102	KELLY BROTHERS TRACTOR SERVICE
3302	BANNER ALUMINUM PRODUCTS
	COQUINA INDUSTRIES INC
	MULLINS INC
3310	KAUFFS OF FT PIERCE INC
3416	GARAGE DOOR SALES INC



-

**GROSE RD 1987**

1237 H & S CITRUS INC

**ENTERPRISE RD 1984****121**

**ENGLER RD (WHITE CITY)—FROM  
CANAL DR WEST 1 SOUTH OF  
WEATHERBEE RD**

**ZIP CODE 33450**

---

**117**

**ENTERPRISE RD —FROM 1000 BELL AV  
NORTH**

**ZIP CODE 33450**

**3206 World Of Plastics Inc 465-1222**

**3302a Mullins Inc crane serv 461-6147**

**3302b Advance Machine & Tool**

**3310 Intra Coastal Printing**

**Spirit Print**

**3338 Roy's Auto Repair 465-6478**

**Bottoms Up Boat Lifts 465-0659**

**Bud's Roofing 464-0037**

**S & T Automotive Detail 465-0947**

**3340 Auburn Industries 464-7239**

---

**41**

**ENTRADA AV NE (PORT ST LUCIE)  
FROM PRIMA VISTA BLVD NORTH 1  
WEST OF US HWY 1**

**ZIP CODE 33450**

**CAMINO ST INTERSECTS**

**102 Robare Nettie Mrs © 878-3558**

**104 Kelly Edw winter res © 878-2190**

**106 Dunlap Verna Mrs © 878-2152**

GROSE RD 1984

DOWNTOWN MALL 117-119 N 2d ST., P.O. BOX 3810 (33448) TEL. 464-1770  
"AIR CONDITIONED"  
**Rubin Brothers, inc.**  
ONE OF FLORIDA'S BETTER STORES

235

GREY TWIG LA—Contd

- 2509 No Return
- 2511★Wroblecki Stanley J 465-0175
- 2512★Griffith L Allan 465-2831
- 2513★Sinner Heinz 465-8870
- 2600★Bright Floyd R 464-1039
- 2601★Stainoff James Jr 464-9453
- 2602★Wilson Christopher L 465-8525
- 2603 No Return
- 2604★Lang Edgar H 464-3357
- 2605★Childress Ronnie 465-2234
- 2606★Baggott Chas 464-0135
- 2607★Webb
- 2608★Walinski Leonard T 464-2939
- 2609 No Return
- 2611★Haisley Richd S 465-2039

36

GROVE AV SE (PORT ST LUCIE)  
FROM LACONIA LA WEST 3 SOUTH  
OF TODD

- ZIP CODE 33450
- 213 Illan Edw L Mrs © 878-5167
- ZIP CODE 33450
- 219 Harper Geo M 878-7228
- 235 Peters Charles A 878-3854
- 266 Kandaerfer Timothy winter res © 878-4058
- 267 Waugh Scott 878-5852
- 275 Weber Raymond J 878-8402
- 290 Henderson Michael © 878-8241
- 298 Gravante John Jr © 878-1956

37

GROVE AV SE (PORT ST LUCIE)  
FROM AIROSO BLVD WEST 3 SOUTH  
OF TODD

- ZIP CODE 33450
- 108 Calmes Chas N Jr © 878-1843
- 143 Heitman Keith © 878-5515
- 159 Vargas Mario
- 168 No Return
- 176 Campbell Caterina © 878-9853
- 184 Stangarone Ralph 879-1851
- 191 Turosky Chas G 878-3538
- 192 Glasser Wayne ©
- 198 Vincent Fredk ©
- 202 Cline H L 878-7469
- 208 Monchetti Joseph winter res © 878-3717

14

GROVE DR —FROM S 29TH ST WEST

- ZIP CODE 33450
- 2707★Jacquin Paul 461-0095
- 2900 Di Giuseppe Andrew A © 461-8817
- 2902★Di Giuseppe Donoto © 461-8442
- 2904★Haskew Joseph ©
- 2905★Seelinger D R © 464-6229
- 2906★Driscoll James ©
- 2908★Akins W J © 461-0856
- 2909★Scott Jack H 464-3323
- 2910★Scott Karl © 464-0943

228

GUADALUPE ST —FROM W  
CARRIBEAN ST WEST

- ZIP CODE 33452
- 1 Geubert Alb © 335-7035
- 2 Charboneau Ed J © 335-8387
- 3 Vacant
- 4 Boisvert Claude ©
- 5 Boden Frank © 335-8337
- 6 Licata Marie L ©
- Cupo Caroline 335-9565
- 7 Cherubino Frank © 335-8561
- 8 Burnett Karl H © 335-2416

47  
GRIFFIN TER (PORT ST LUCIE)  
FROM PITCHER RD SOUTHWEST 1  
SOUTHEAST OF SAPPHIRE TER

- ZIP CODE 33452
- 1005 Bird Harry S © 335-4464
- 1006 Vacant
- 1011 Vacant
- 1013 Vacant
- 1425 Monday Pat © 335-5839
- 1426★Carr Dale © 335-7821
- 1437★Magno Anthony © 335-2991
- 1449★Link John C 335-2387
- 1461★Punkka Don © 335-5389
- 1462★Powell Raymond © 335-7095
- 1474 Lamneck Geo J © 335-2317

47  
GRIFFITH AV SE (PORT ST LUCIE)  
FROM MORNINGSIDE BLVD WEST 1  
SOUTH OF MAYFAIR LA

- ZIP CODE 33452
- 1000 Johnson Wm. W 335-4487
- 1101 Proctor Edw G © 335-4292
- 1104 Guggel Vina J © 335-8726
- 1437 No Return
- 1462 Powell Raymond 335-7095
- 2032 Shawver Daniel W © 335-2074
- 3040 Vacant

117  
GROSE ST —FROM ENTERPRISE RD  
EAST 1 NORTH OF BELL AV

- ZIP CODE 33450
- Grose's Interstate Moving & Storage  
464-3331
- United Van Lines 464-3331
- Number One Moving & Storage 466-6683
- H & S Citrus Inc citrus pkrs 461-1455

**BILL GAW'S**  
**AIR CONDITIONING**  
4324 N. U.S. 1 461-3852

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CORA MONROE PRESIDENT VALERIE CALHOUN SECRETARY/TREASURER  
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FORT PIERCE, FL 33450  
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Tel. 461-3578

**ENTERPRISE RD 1979**

ENTERPRISE RD (WHITE CITY) — FROM  
CANAL DR WEST 1 SOUTH OF  
WEATHERBEE RD

ZIP CODE 33450

117

ENTERPRISE RD —FROM 1000 BELL AV  
NORTH

ZIP CODE 33450

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 al-Cougar-Mercury-Zephyr-Bobcat-Versailles - Capri  
 and Service-Expert Body Repairs  
 . Hwy. 1) (33450) Tel. 464-2121, Stuart 334-7222

**ENTERPRISE RD 1979****156****ENTERPRISE RD—Contd**

3204 World Of Plastics Inc (Letters Div) mfrs  
& whol 465-1224

3206 World Of Plastics Inc 465-1222

3302a Mullins Inc crane serv 461-6147

Alpha Machine & Tool Co 465-8717

3302b Vacant

3304 Custom Housing Systems Inc 465-2232

3340 Vacant

**41**

**ENTRADA AV NE (PORT—ST LUCIE)-  
FROM PRIMA VISTA BLVD NORTH 1  
WEST OF US HWY 1**

**ZIP CODE 33450**

**CAMINO ST INTERSECTS**

102 Robare Nettie Mrs © 878-3558

104★Kelly Edw winter res © 878-2190

106 Dunlap Verna Mrs © 878-2152

108 Vacant

GROSE RD 1979

33

FROM MORNINGSIDE BLVD WEST 1  
SOUTH OF MAYFAIR LA

ZIP CODE 33452  
1000★Johnson Wm W 334-3301  
1101 Vacant  
1104 Under Constn  
3040 Vacant

117

GROSE ST —FROM ENTERPRISE RD  
EAST 1 NORTH OF BELL AV

ZIP CODE 33450  
Grose's Interstate Moving & Storage  
464-3331  
United Van Lines 464-3331  
H & S Citrus Inc citrus pkrs 461-1455

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-

GROSE RD 1979

188

36

GROVE AV SE (PORT ST LUCIE)  
FROM LACONIA LA WEST 3 SOUTH  
OF TODD

GU  
F  
C

ZIP CODE 33450

Z

382

37

397

GROVE AV SE (PORT ST LUCIE)  
FROM AIROSO BLVD WEST 3 SOUTH  
OF TODD

HA  
D

**ENTERPRISE RD 1974****FAIRWAY DR****ZIP CODE 33450****17****ENTERPRISE RD --FROM 1000 BELL AV  
NORTH****ZIP CODE 33450****3206 World Of Plastics Inc 465-1222****3340 Vacant****28****ENTRADA AV NE (PORT--ST LUCIE)-  
FROM PRIMA VISTA BLVD NORTH 1  
WEST OF US HWY 1****ZIP CODE 33452****CAMINO ST INTERSECTS****102 Robare Nettie Mrs ©****104 Cavender Robt © 461-1908****106 Dunlap Adolph A © 461-2652****108 Harkins James J © 464-0041**

GROSE RD 1974

4053★Harris W C ☺  
 4054 Tague Floyd P ☺ 461-6310  
 4055 Burdge Albert R ☺ 461-7175  
 4056 Harris John J ☺ 461-7997  
 4060 Byal Arth P ☺ 461-8555  
 4062 Orend Jack F ☺ 461-1244

17

**GROSE ST —FROM ENTERPRISE RD  
 EAST 1 NORTH OF BELL AV**

16

ZIP CODE 33450  
 Grose's Interstate Moving & Storage  
 464-3331  
 United Van Lines 464-3331  
 H & S Citrus Inc citrus pkrs 461-1455

16

9

**GULFSTREAM AV (FORT PIERCE  
 BEACH)—FROM FERNANDINA ST  
 NORTH 1 SOUTH OF FRANCES AV**

ZIP CODE 33450  
 1802a Zieman A Joseph 461-0519  
 1802b Pattison James D 465-2712  
 1811a Jugenheimer Peter E  
 1811b★Sines B  
 1821a★Cunningham Delbert D 465-3189

Farmers Market Road

P.O. Box 1886 Fort Pierce, Florida 33450

**Products, Inc.**

We Buy Scrap, LLC

1237 Grose Road

Fort Pierce, FL 34982

Inquiry Number: 5404436.3

August 24, 2018

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

08/24/18

**Site Name:**

We Buy Scrap, LLC  
1237 Grose Road  
Fort Pierce, FL 34982  
EDR Inquiry # 5404436.3

**Client Name:**

Enercon Services  
12906 Tampa Oaks Blvd  
Temple Terrace, FL 33637-0000  
Contact: Christopher Kling, FCEA, LEP



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Enercon Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** 7295-475F-BBE4  
**PO #** NA  
**Project** TDBANK00605

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This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 7295-475F-BBE4

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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# **Regulatory Records Documentation**

**We Buy Scrap, LLC**  
1237 Grose Road  
Fort Pierce, FL 34982

Inquiry Number: 5404436.2s  
August 24, 2018

## The EDR Radius Map™ Report with GeoCheck®



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# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	8
Orphan Summary .....	108
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-19
Physical Setting Source Map Findings .....	A-21
Physical Setting Source Records Searched .....	PSGR-1

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1237 GROSE ROAD  
FORT PIERCE, FL 34982

#### COORDINATES

Latitude (North): 27.4004060 - 27° 24' 1.46"  
Longitude (West): 80.3366310 - 80° 20' 11.87"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 565583.6  
UTM Y (Meters): 3030790.8  
Elevation: 14 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5656797 FORT PIERCE, FL  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150904  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 1237 GROSE ROAD  
 FORT PIERCE, FL 34982

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	H & S CITRUS	PACKING HOUSE: 1237	FINDS		TP
A2	H & S CITRUS, INC CI	PACKING HOUSE: 1237	NPDES		TP
B3	SOUTHERN BELL-FT PIE	3402 ENTERPRISE RD	UST	Higher	247, 0.047, SSW
B4	BELLSOUTH TELECOMMUN	3402 ENTERPRISE ROAD	RESP PARTY	Higher	247, 0.047, SSW
B5	SOUTHERN BELL	3402 ENTERPRISE RD	RCRA-CESQG	Higher	247, 0.047, SSW
B6	BELLSOUTH TELECOMMUN	3402 ENTERPRISE RD	RCRA-CESQG, FINDS, ECHO	Higher	247, 0.047, SSW
7	CLASSIC CAR COATINGS	3375 OLEANDER AVE	RCRA NonGen / NLR	Higher	320, 0.061, ENE
C8	HUGHES SUPPLY #HDHG7	3302 ENTERPRISE RD	RCRA-CESQG	Higher	440, 0.083, SW
C9	MULLINS ENTERPRISES	3302 ENTERPRISE RD	AST	Higher	440, 0.083, SW
C10	MULLINS INC-OLD FUEL	3302 ENTERPRISE RD	LUST, UST, Financial Assurance	Higher	440, 0.083, SW
11	KELLY BROS TRACTOR S	3102 ENTERPRISE RD	LUST, UST, DADE CO LW	Higher	442, 0.084, NNW
C12	DONALD HAYSLIP HOBBY	3338 ENTERPRISE RD U	RCRA NonGen / NLR	Higher	537, 0.102, SSW
D13	AMOCO OIL CO-BULK PL	3401 OLEANDER AVE	LUST	Higher	613, 0.116, ESE
D14	JOHNSON OIL CO INC	3401 OLEANDER AVENUE	EDR Hist Auto	Higher	613, 0.116, ESE
D15	AMOCO BULK PLANT	3401 OLEANDER AVE	RCRA-CESQG	Higher	613, 0.116, ESE
16	MANNING BUILDING MAT	3315 OLEANDER AVE	UST, AST, Financial Assurance	Higher	634, 0.120, ENE
D17	GRAYBAR ELECTRIC CO	3451 OLEANDER AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	702, 0.133, ESE
18	CLAYS ASPHALT MAINT	3309 OLEANDER AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	902, 0.171, NE
19	FL INSULATION	3490 OLEANDER AVE	LUST, UST	Higher	1022, 0.194, SE
E20	EAST COAST ALUMINUM	1150 BELL AVE	RCRA-CESQG	Higher	1096, 0.208, South
F21	SOUTHERN CULVERT	1031 DIGIORGIO RD	LUST, AST, Financial Assurance, NPDES	Higher	1169, 0.221, NE
E22	FINISHMASTER AUTOMOT	1200 BELL AVE	RCRA-CESQG, FINDS, ECHO	Higher	1280, 0.242, South
F23	WHITEHEAD PROPERTY	3239 OLEANDER AVE	LUST, UST	Higher	1303, 0.247, NNE
24	GOODMAN MANUFACTURIN	900 FARMERS MARKET R	CLEANUP SITES, RESP PARTY	Higher	1329, 0.252, SE
25	FL DEPT OF JUVENILE	1301 BELL AVE	LUST, UST, CLEANUP SITES, DWM CONTAM	Higher	1364, 0.258, South
26	SUNLIGHT CITRUS PACK	1008 BELL AVE	LUST, UST, AST, Financial Assurance	Higher	1414, 0.268, SSE
27	UNITED PARCEL SERVIC	3203 OLEANDER AVE	LUST, UST, AST, DWM CONTAM, Financial Assurance,...	Higher	1848, 0.350, NNE
28	FL DEPT OF TRANSPORT	3601 OLEANDER AVE	LUST, UST, AST, SPILLS, CLEANUP SITES, Financial...	Lower	1948, 0.369, South
29	FDOT/OLEANDER	ACROSS THE STREET FR	SWF/LF	Higher	2008, 0.380, SE
30	JC AUTOMOTIVE AND DI	3101 OLEANDER AVENUE	SPILLS, RESP PARTY, SITE INV SITES	Higher	2462, 0.466, NNE
31	COOL-IT AUTO AND RAD	500 FARMERS MARKET R	SWF/LF	Higher	2496, 0.473, ESE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
H & S CITRUS PACKING HOUSE: 1237 FORT PIERCE, FL 34982	FINDS Registry ID:: 110027959760	N/A
H & S CITRUS, INC CI PACKING HOUSE: 1237 FORT PIERCE, FL	NPDES Status: A Facility ID: FLA014005	N/A

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent CERCLIS***

SHWS..... Florida's State-Funded Action Sites

### ***State and tribal leaking storage tank lists***

LAST..... Leaking Aboveground Storage Tank Listing  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

FF TANKS..... Federal Facilities Listing  
FEMA UST..... Underground Storage Tank Listing  
INDIAN UST..... Underground Storage Tanks on Indian Land  
TANKS..... Storage Tank Facility List

### ***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Institutional Controls Registry  
INST CONTROL..... Institutional Controls Registry

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Sites  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Brownfields Sites Database

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY..... Recycling Centers

## EXECUTIVE SUMMARY

INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL.....	Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS.....	Priority Ranking List
FI Sites.....	Sites List
US CDL.....	National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2.....	CERCLA Lien Information
--------------	-------------------------

### **Records of Emergency Release Reports**

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Oil and Hazardous Materials Incidents
SPILLS 90.....	SPILLS 90 data from FirstSearch
SPILLS 80.....	SPILLS 80 data from FirstSearch

### **Other Ascertainable Records**

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem

## EXECUTIVE SUMMARY

US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted Facilities Listing
ASBESTOS.....	ASBESTOS
CLEANUP SITES.....	DEP Cleanup Sites - Contamination Locator Map Listing
DEDB.....	Ethylene Dibromide Database Results
DRYCLEANERS.....	Drycleaning Facilities
Financial Assurance.....	Financial Assurance Information Listing
FL Cattle Dip. Vats.....	Cattle Dipping Vats
TIER 2.....	Tier 2 Facility Listing
UIC.....	Underground Injection Wells Database Listing

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal RCRA generators list*

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA)

## EXECUTIVE SUMMARY

of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 6 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOUTHERN BELL EPA ID:: FLTMP9304252	3402 ENTERPRISE RD	SSW 0 - 1/8 (0.047 mi.)	B5	10
<b>BELLSOUTH TELECOMMUN</b> EPA ID:: FLD981756372	<b>3402 ENTERPRISE RD</b>	<b>SSW 0 - 1/8 (0.047 mi.)</b>	<b>B6</b>	<b>11</b>
HUGHES SUPPLY #HDHG7 EPA ID:: FLR000132134	3302 ENTERPRISE RD	SW 0 - 1/8 (0.083 mi.)	C8	16
AMOCO BULK PLANT EPA ID:: FLTMP9404720	3401 OLEANDER AVE	ESE 0 - 1/8 (0.116 mi.)	D15	32
EAST COAST ALUMINUM EPA ID:: FLT990063299	1150 BELL AVE	S 1/8 - 1/4 (0.208 mi.)	E20	43
<b>FINISHMASTER AUTOMOT</b> EPA ID:: FLR000039974	<b>1200 BELL AVE</b>	<b>S 1/8 - 1/4 (0.242 mi.)</b>	<b>E22</b>	<b>48</b>

### **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection's Facility Directory (Solid Waste Facilities).

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FDOT/OLEANDER Database: SWF/LF, Date of Government Version: 07/16/2018 Facility-Site Id: 100023 Class Status: PRE-AUTHORIZED (B)	ACROSS THE STREET FR	SE 1/4 - 1/2 (0.380 mi.)	29	104
COOL-IT AUTO AND RAD Database: SWF/LF, Date of Government Version: 07/16/2018 Facility-Site Id: 102931 Class Status: INACTIVE (I)	500 FARMERS MARKET R	ESE 1/4 - 1/2 (0.473 mi.)	31	107

### **State and tribal leaking storage tank lists**

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's PCTO1--Petroleum Contamination Detail Report.

A review of the LUST list, as provided by EDR, and dated 07/02/2018 has revealed that there are 10

## EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MULLINS INC-OLD FUEL</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 9200916	<b>3302 ENTERPRISE RD</b>	<b>SW 0 - 1/8 (0.083 mi.)</b>	<b>C10</b>	<b>19</b>
<b>KELLY BROS TRACTOR S</b> Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: CLOSED Facility-Site Id: 8630635	<b>3102 ENTERPRISE RD</b>	<b>NNW 0 - 1/8 (0.084 mi.)</b>	<b>11</b>	<b>25</b>
AMOCO OIL CO-BULK PL Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 8516040	3401 OLEANDER AVE	ESE 0 - 1/8 (0.116 mi.)	D13	29
<b>FL INSULATION</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 9400359	<b>3490 OLEANDER AVE</b>	<b>SE 1/8 - 1/4 (0.194 mi.)</b>	<b>19</b>	<b>40</b>
<b>SOUTHERN CULVERT</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 8521847	<b>1031 DIGIORGIO RD</b>	<b>NE 1/8 - 1/4 (0.221 mi.)</b>	<b>F21</b>	<b>44</b>
<b>WHITEHEAD PROPERTY</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 9800431	<b>3239 OLEANDER AVE</b>	<b>NNE 1/8 - 1/4 (0.247 mi.)</b>	<b>F23</b>	<b>50</b>
<b>FL DEPT OF JUVENILE</b> Discharge Cleanup Status: SA - SA ONGOING Facility Status: CLOSED Facility-Site Id: 9602376	<b>1301 BELL AVE</b>	<b>S 1/4 - 1/2 (0.258 mi.)</b>	<b>25</b>	<b>55</b>
<b>SUNLIGHT CITRUS PACK</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: CLOSED Facility-Site Id: 8732828	<b>1008 BELL AVE</b>	<b>SSE 1/4 - 1/2 (0.268 mi.)</b>	<b>26</b>	<b>59</b>
<b>UNITED PARCEL SERVIC</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: OPEN Facility-Site Id: 8628486	<b>3203 OLEANDER AVE</b>	<b>NNE 1/4 - 1/2 (0.350 mi.)</b>	<b>27</b>	<b>64</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FL DEPT OF TRANSPORT</b> Discharge Cleanup Status: SRCR - SRCR COMPLETE Discharge Cleanup Status: NFA - NFA COMPLETE Facility Status: OPEN Facility-Site Id: 8628736	<b>3601 OLEANDER AVE</b>	<b>S 1/4 - 1/2 (0.369 mi.)</b>	<b>28</b>	<b>86</b>

## EXECUTIVE SUMMARY

### ***State and tribal registered storage tank lists***

UST: The Underground Storage Tank database contains registered USTs. Shortly after the September 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOUTHERN BELL-FT PIE Database: UST, Date of Government Version: 07/01/2018 Tank Status: B Facility-Site Id: 9201428 Facility Status: CLOSED	3402 ENTERPRISE RD	SSW 0 - 1/8 (0.047 mi.)	B3	9
<b>MULLINS INC-OLD FUEL</b> Database: UST, Date of Government Version: 07/01/2018 Tank Status: B Facility-Site Id: 8518548 Facility-Site Id: 9200916 Facility Status: CLOSED	<b>3302 ENTERPRISE RD</b>	<b>SW 0 - 1/8 (0.083 mi.)</b>	<b>C10</b>	<b>19</b>
<b>KELLY BROS TRACTOR S</b> Database: UST, Date of Government Version: 07/01/2018 Tank Status: B Facility-Site Id: 8630635 Facility Status: CLOSED	<b>3102 ENTERPRISE RD</b>	<b>NNW 0 - 1/8 (0.084 mi.)</b>	<b>11</b>	<b>25</b>
<b>MANNING BUILDING MAT</b> Database: UST, Date of Government Version: 07/01/2018 Tank Status: A Facility-Site Id: 8631081 Facility Status: CLOSED	<b>3315 OLEANDER AVE</b>	<b>ENE 0 - 1/8 (0.120 mi.)</b>	<b>16</b>	<b>33</b>
<b>FL INSULATION</b> Database: UST, Date of Government Version: 07/01/2018 Tank Status: B Facility-Site Id: 9400359 Facility Status: CLOSED	<b>3490 OLEANDER AVE</b>	<b>SE 1/8 - 1/4 (0.194 mi.)</b>	<b>19</b>	<b>40</b>
<b>WHITEHEAD PROPERTY</b> Database: UST, Date of Government Version: 07/01/2018 Tank Status: B Facility-Site Id: 9800431 Facility Status: CLOSED	<b>3239 OLEANDER AVE</b>	<b>NNE 1/8 - 1/4 (0.247 mi.)</b>	<b>F23</b>	<b>50</b>

AST: Shortly after the Sept 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MULLINS ENTERPRISES Database: AST, Date of Government Version: 07/01/2018	3302 ENTERPRISE RD	SW 0 - 1/8 (0.083 mi.)	C9	18

## EXECUTIVE SUMMARY

Facility-Site Id: 8518548

Facility Status: CLOSED

Facility Status: CLOSED

**MANNING BUILDING MAT**                                  **3315 OLEANDER AVE**                                  **ENE 0 - 1/8 (0.120 mi.)**                                  **16**                                  **33**

Database: AST, Date of Government Version: 07/01/2018

Facility-Site Id: 8631081

Facility Status: CLOSED

Facility Status: CLOSED

**SOUTHERN CULVERT**                                  **1031 DIGIORGIO RD**                                  **NE 1/8 - 1/4 (0.221 mi.)**                                  **F21**                                  **44**

Database: AST, Date of Government Version: 07/01/2018

Facility-Site Id: 8521847

Facility Status: CLOSED

Facility Status: CLOSED

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Other Ascertainable Records**

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLASSIC CAR COATINGS EPA ID:: FLD982085524	3375 OLEANDER AVE	ENE 0 - 1/8 (0.061 mi.)	7	13
DONALD HAYSLIP HOBBY EPA ID:: FLR000195784	3338 ENTERPRISE RD U	SSW 0 - 1/8 (0.102 mi.)	C12	28
<b>GRAYBAR ELECTRIC CO</b> EPA ID:: FLD011386992	<b>3451 OLEANDER AVE</b>	<b>ESE 1/8 - 1/4 (0.133 mi.)</b>	<b>D17</b>	<b>34</b>
<b>CLAYS ASPHALT MAINTN</b> EPA ID:: FLR000010322	<b>3309 OLEANDER AVE</b>	<b>NE 1/8 - 1/4 (0.171 mi.)</b>	<b>18</b>	<b>36</b>

DWM CONTAM: A listing of active or known sites. The listing includes sites that need cleanup but are not actively being working on because the agency currently does not have funding (primarily petroleum and drycleaning).

A review of the DWM CONTAM list, as provided by EDR, and dated 09/30/2017 has revealed that there are 2 DWM CONTAM sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FL DEPT OF JUVENILE</b> Program Site Id: 9602376	<b>1301 BELL AVE</b>	<b>S 1/4 - 1/2 (0.258 mi.)</b>	<b>25</b>	<b>55</b>
<b>UNITED PARCEL SERVIC</b>	<b>3203 OLEANDER AVE</b>	<b>NNE 1/4 - 1/2 (0.350 mi.)</b>	<b>27</b>	<b>64</b>

## EXECUTIVE SUMMARY

Program Site Id: 8628486

RESP PARTY: Open, inactive and closed responsible party sites

A review of the RESP PARTY list, as provided by EDR, and dated 04/02/2018 has revealed that there are 4 RESP PARTY sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BELLSOUTH TELECOMMUN Site Status: CLOSED	3402 ENTERPRISE ROAD	SSW 0 - 1/8 (0.047 mi.)	B4	10
<b>GOODMAN MANUFACTURIN</b> Site Status: OPEN	<b>900 FARMERS MARKET R</b>	<b>SE 1/4 - 1/2 (0.252 mi.)</b>	<b>24</b>	<b>53</b>
<b>JC AUTOMOTIVE AND DI</b> Site Status: CLOSED	<b>3101 OLEANDER AVENUE</b>	<b>NNE 1/4 - 1/2 (0.466 mi.)</b>	<b>30</b>	<b>105</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FL DEPT OF TRANSPORT</b> Site Status: CLOSED Site Status: OPEN	<b>3601 OLEANDER AVE</b>	<b>S 1/4 - 1/2 (0.369 mi.)</b>	<b>28</b>	<b>86</b>

SITE INV SITES: Statewide coverage of Site Investigation Section (SIS) sites. Site Investigation is a Section within the Bureau of Waste Cleanup, Division of Waste Management. SIS provides technical support to FDEP District Waste Cleanup Programs and conducts contamination assessments throughout the state.

A review of the SITE INV SITES list, as provided by EDR, and dated 05/19/2018 has revealed that there are 2 SITE INV SITES sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>JC AUTOMOTIVE AND DI</b>	<b>3101 OLEANDER AVENUE</b>	<b>NNE 1/4 - 1/2 (0.466 mi.)</b>	<b>30</b>	<b>105</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FL DEPT OF TRANSPORT</b>	<b>3601 OLEANDER AVE</b>	<b>S 1/4 - 1/2 (0.369 mi.)</b>	<b>28</b>	<b>86</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past

## EXECUTIVE SUMMARY

sites and operations that typically create environmental concerns, but may not show up in current government records searches.

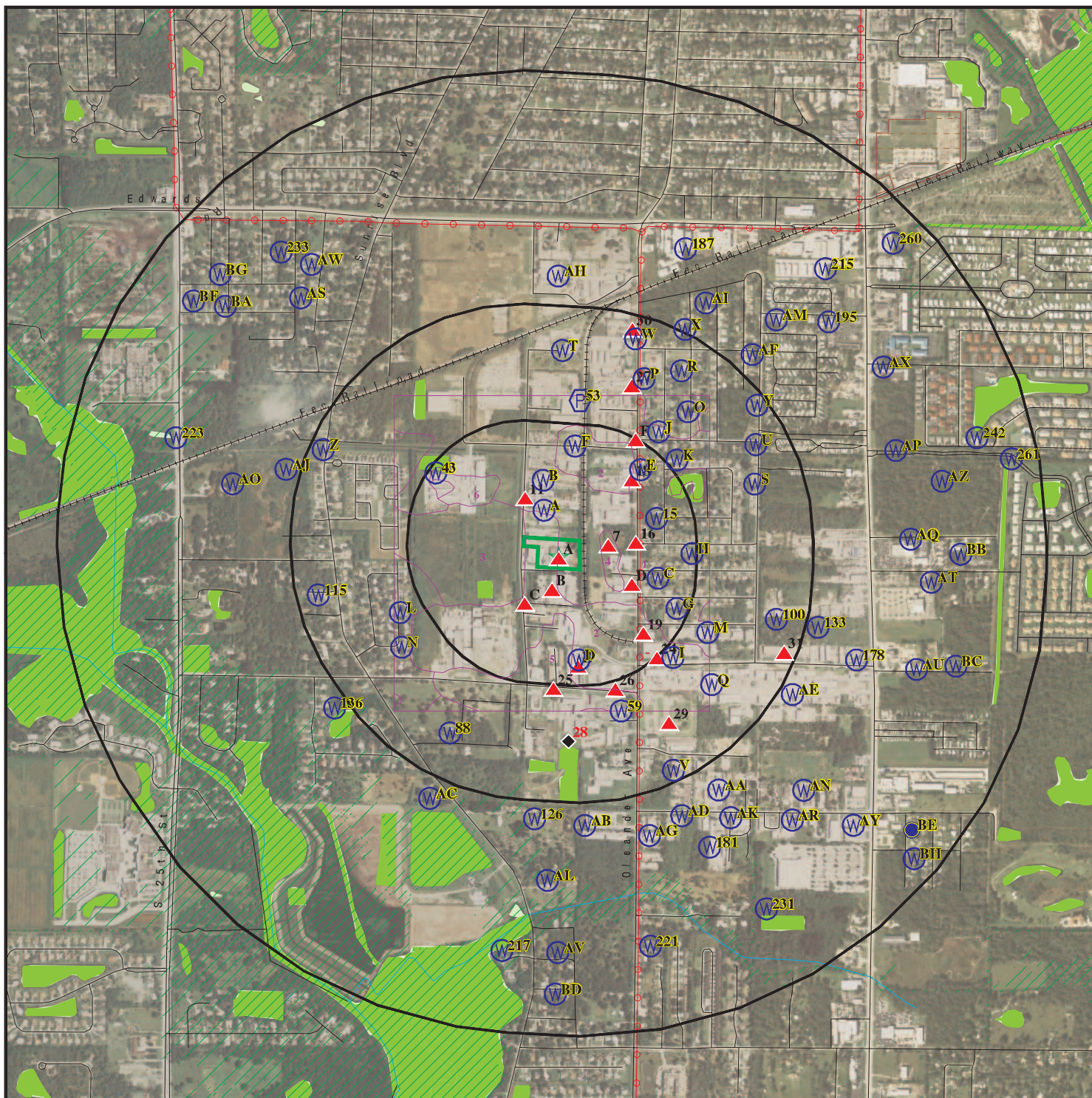
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHNSON OIL CO INC	3401 OLEANDER AVENUE	ESE 0 - 1/8 (0.116 mi.)	D14	32

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 5404436.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

FL Brownfield

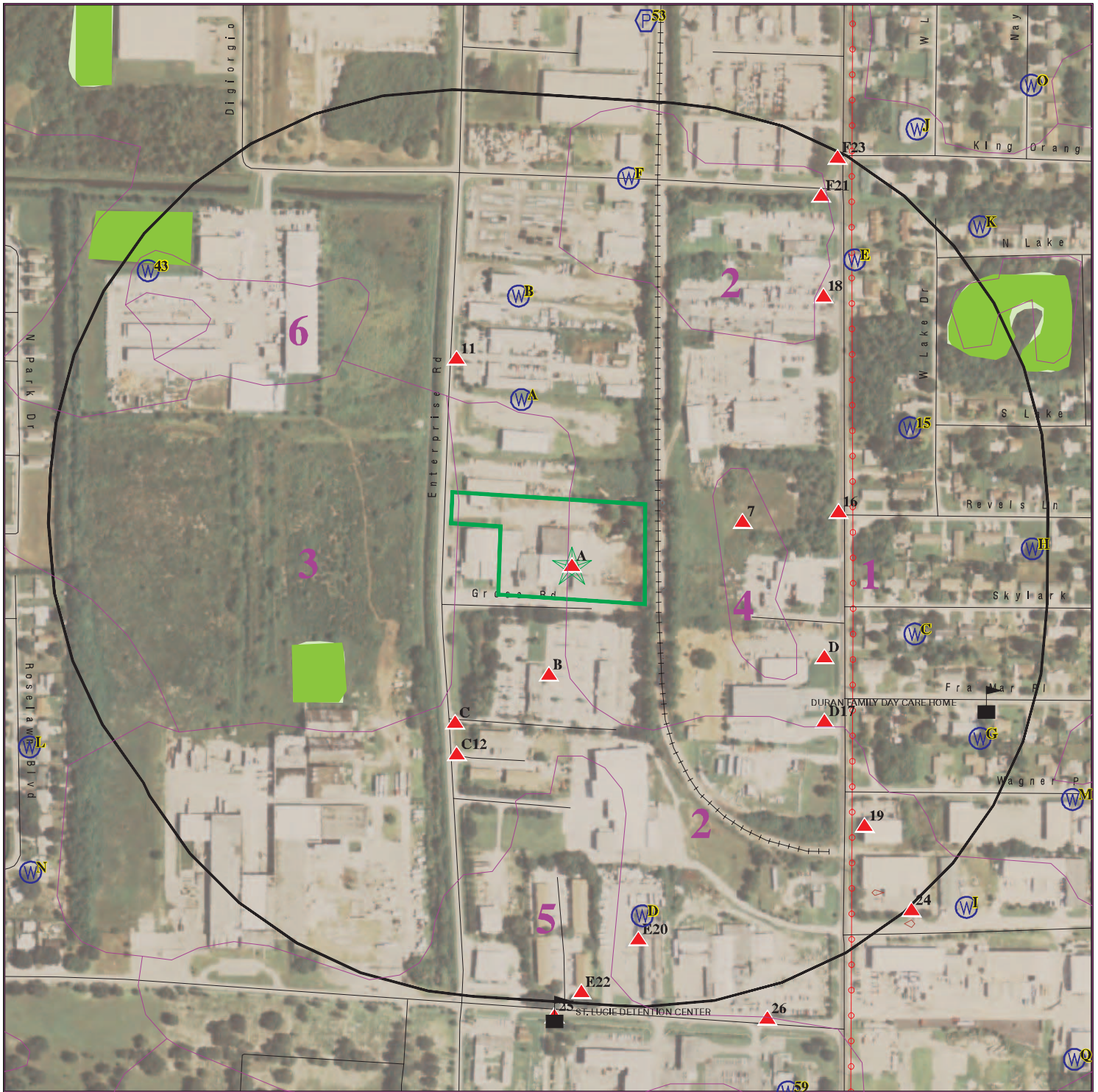









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: We Buy Scrap, LLC  
 ADDRESS: 1237 Grose Road  
 Fort Pierce FL 34982  
 LAT/LONG: 27.400406 / 80.336631

CLIENT: Enercon Services  
 CONTACT: Christopher Kling, FCEA, LEP  
 INQUIRY #: 5404436.2s  
 DATE: August 24, 2018 11:09 am

# DETAIL MAP - 5404436.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  National Wetland Inventory
-  State Wetlands
-  FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: We Buy Scrap, LLC  
 ADDRESS: 1237 Grose Road  
 Fort Pierce FL 34982  
 LAT/LONG: 27.400406 / 80.336631

CLIENT: Enercon Services  
 CONTACT: Christopher Kling, FCEA, LEP  
 INQUIRY #: 5404436.2s  
 DATE: August 24, 2018 11:10 am

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		4	2	NR	NR	NR	6
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	2	NR	NR	2
<b><i>State and tribal leaking storage tank lists</i></b>								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		3	3	4	NR	NR	10
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
FF TANKS	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		4	2	NR	NR	NR	6
AST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.500		0	0	0	NR	NR	0
FI Sites	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		2	2	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
CLEANUP SITES	TP		NR	NR	NR	NR	NR	0
DEDB	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.500		0	0	2	NR	NR	2
Financial Assurance	TP		NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
RESP PARTY	0.500		1	0	3	NR	NR	4
SITE INV SITES	0.500		0	0	2	NR	NR	2
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
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## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		2	17	10	13	0	0	42

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

<b>A1</b> Target Property	<b>H &amp; S CITRUS</b> <b>PACKING HOUSE: 1237 GROSE RD 34982</b> <b>FORT PIERCE, FL 34982</b>	<b>FINDS</b>	<b>1009723902</b> <b>N/A</b>
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**Site 1 of 2 in cluster A**

**Actual:**      FINDS:  
**14 ft.**

Registry ID:                      110027959760

Environmental Interest/Information System  
Florida Environmental System Today Application (FIESTA) Data  
Maintenance (FDM) system maintains entity, environmental interest and  
affiliation data for the State of Florida.

[Click this hyperlink](#) while viewing on your computer to access  
additional FINDS: detail in the EDR Site Report.

<b>A2</b> Target Property	<b>H &amp; S CITRUS, INC CITRUS PACKING HOUSE</b> <b>PACKING HOUSE: 1237 GROSE RD 34982</b> <b>FORT PIERCE, FL</b>	<b>NPDES</b>	<b>S103616557</b> <b>N/A</b>
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**Site 2 of 2 in cluster A**

**Actual:**      WASTEWATER:  
**14 ft.**

Facility ID:                      FLA014005

Facility Type:                    Industrial Wastewater

Status:                            Active - Existing, permitted facility/site for which effluent,  
reclaimed water or wastewater residual discharge into the environment  
and/or monitoring is taking place.

District Office:                   SED

NPDES Permitted Site:        No

Environmental Interest:        Industrial Wastewater Program

Owner Type:                      Private

Permit Capacity:                0.015

Party Name:                      George Brown, Vice President

Company Name:                 H & S Citrus, Inc.

RP Address:                      1237 Grose Rd

RP Address 2:                    Not reported

RP City,Stat,Zip:                Fort Pierce FL 34982-6575

Telephone:                        7724611455

Email:                              KATHLEEND@HSCITRUS.COM

Issue Date:                        10/15/2014

Effective Date:                  10/15/2014

Expiration Date:                10/14/2019

DOC Description:                General Permit

Latitude Degrees:                Not reported

Latitude Minutes:                Not reported

Latitude Seconds:                Not reported

Longitude Degrees:               Not reported

Longitude Minutes:               Not reported

Longitude Seconds:               Not reported

Treatment:                        screening, settling, tanker truck hauled to sprayfield off-site

Decode For Fstatus:              Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B3**  
**SSW**  
**< 1/8**  
**0.047 mi.**  
**247 ft.**

**SOUTHERN BELL-FT PIERCE SOC**  
**3402 ENTERPRISE RD**  
**FORT PIERCE, FL 34982**

**UST** **U001379518**  
**N/A**

**Site 1 of 4 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**14 ft.**

UST:  
Facility Id: 9201428  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 277-1568  
Region: STATE  
Positioning Method: Not reported  
Lat/Long (dms): Not reported  
  
Owner:  
Owner Id: 26036  
Owner Name: BELLSOUTH TELECOMMUNICATIONS INC  
Owner Address: 308 S AKARD ST #1700  
Owner Address 2: ATTN: SOUTHEAST REGION TNK MGR  
Owner City,St,Zip: DALLAS, TX 75202  
Owner Contact: VYRL NAUMANN  
Owner Phone: (214) 464-5572

Tank Info:  
Tank Id: 1  
Status: Removed  
Status Date: 30-SEP-1992  
Install Date: Not reported  
Substance: Waste oil  
Content Description: Waste Oil  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 30-SEP-1992  
Install Date: Not reported  
Substance: New/lube oil  
Content Description: New/Lube Oil  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

[Click here for Florida Oculus:](#)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B4**  
**SSW**  
**< 1/8**  
**0.047 mi.**  
**247 ft.**

**BELLSOUTH TELECOMMUNICATIONS**  
**3402 ENTERPRISE ROAD**  
**FT. PIERCE, FL 34982**

**RESP PARTY** **S117359360**  
**N/A**

**Site 2 of 4 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**14 ft.**

**RESP PARTY:**  
District: Southeast District  
Site Id: 187410  
Project Id: 250509  
Site Status: CLOSED  
Project Manager: STEVENS\_C  
OGC Case Number: Not reported  
Initial Date Received: 06/21/2001  
Contaminants: Not reported  
Offsite Cont Impact: Not reported  
Priority Score: Not reported  
Datum: HARN  
Method ID: UNVR  
Feature: Not reported  
Object Of Interest: CAP\_RAP SITE  
Proximity To Object: CENTR  
Collect Username: STONE\_H  
Collect Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Collect Program Id: CL  
Collect Date: 04/25/2005  
Map Series Used: 1999 doqs  
Map Source Scale: 1660  
Interpolation Scale: Not reported  
Coordinate Accuracy Id: 4  
Verify Method Id: DPHO  
Verifier Username: STONE\_H  
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Verifying Program Id: CL  
Verification Date: 04/25/2005  
Decode for District: Southeast District  
Decode for Datum: High Accuracy Reference Network  
Decode for Method: Unverified  
Decode for Off Site COC: Not reported  
Decode for V\_Method: Digital Aerial Photography With Ground Control  
Latitude/Longitude (deg/min/sec): 27 23 57.9283 / 80 20 12.5052

**B5**  
**SSW**  
**< 1/8**  
**0.047 mi.**  
**247 ft.**

**SOUTHERN BELL**  
**3402 ENTERPRISE RD**  
**FORT PIERCE, FL 34982**

**RCRA-CESQG** **1014471268**  
**FLTMP9304252**

**Site 3 of 4 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**14 ft.**

**RCRA-CESQG:**  
Date form received by agency: 05/19/1993  
Facility name: SOUTHERN BELL  
Facility address: 3402 ENTERPRISE RD  
FORT PIERCE, FL 34982-6556  
EPA ID: FLTMP9304252  
Contact: Not reported  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN BELL (Continued)**

**1014471268**

EPA Region: 04  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**B6**  
**SSW**  
**< 1/8**  
**0.047 mi.**  
**247 ft.**

**BELLSOUTH TELECOMMUNICATIONS INC**  
**3402 ENTERPRISE RD**  
**FORT PIERCE, FL 34982**

**RCRA-CESQG 1000892625**  
**FINDS FLD981756372**  
**ECHO**

**Site 4 of 4 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**14 ft.**

RCRA-CESQG:  
Date form received by agency: 03/21/2001  
Facility name: BELLSOUTH TELECOMMUNICATIONS INC  
Facility address: 3402 ENTERPRISE RD  
FORT PIERCE, FL 34982-6556  
EPA ID: FLD981756372  
Mailing address: 7825 RED TOP RD  
MACCLENNY, FL 32063-5725  
Contact: RICK GABHART  
Contact address: 7825 RED TOP RD  
MACCLENNY, FL 32063-5725  
Contact country: US  
Contact telephone: 407-891-9342  
Contact email: Not reported  
EPA Region: 04  
Classification: Conditionally Exempt Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BELLSOUTH TELECOMMUNICATIONS INC (Continued)**

**1000892625**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DENNIS HURST  
Owner/operator address: 301 W BAY ST RM 10EE1  
JACKSONVILLE, FL 32202  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 03/21/2001  
Owner/Op end date: 03/22/2001  
  
Owner/operator name: BELLSOUTH TELECOMMUNICATIONS  
Owner/operator address: 675 W PEACHTREE ST NE  
ATLANTA, GA 30375  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 03/21/2001  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BELLSOUTH TELECOMMUNICATIONS INC (Continued)**

**1000892625**

Used oil transfer facility: No  
Used oil transporter: No  
  
. Waste code: D008  
. Waste name: LEAD  
  
. Waste code: D009  
. Waste name: MERCURY  
  
Violation Status: No violations found

**FINDS:**

Registry ID: 110007416652

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Florida Environmental System Today Application (FIESTA) Data Maintenance (FDM) system maintains entity, environmental interest and affiliation data for the State of Florida.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000892625  
Registry ID: 110007416652  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110007416652>

**7**  
**ENE**  
**< 1/8**  
**0.061 mi.**  
**320 ft.**

**CLASSIC CAR COATINGS**  
**3375 OLEANDER AVE**  
**FORT PIERCE, FL 34982**

**RCRA NonGen / NLR** **1015741138**  
**FLD982085524**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**16 ft.**

Date form received by agency: 03/14/2012  
Facility name: CLASSIC CAR COATINGS  
Facility address: 3375 OLEANDER AVE  
FORT PIERCE, FL 34982-6535  
  
EPA ID: FLD982085524  
Mailing address: OLEANDER AVE  
FORT PIERCE, FL 34982-6535  
  
Contact: BILL BRAUN  
Contact address: OLEANDER AVE  
FORT PIERCE, FL 34982-6535  
  
Contact country: US  
Contact telephone: 407-464-2222  
Contact email: Not reported  
EPA Region: 04  
Land type: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLASSIC CAR COATINGS (Continued)**

**1015741138**

Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BILL BRAUN  
Owner/operator address: 3375 OLEANDER AVE  
FORT PIERCE, FL 34982  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 05/15/2002  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/14/2002  
Site name: CLASSIC CAR COATINGS  
Classification: Small Quantity Generator

Date form received by agency: 12/19/1988  
Site name: CLASSIC CAR COATINGS  
Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLASSIC CAR COATINGS (Continued)**

**1015741138**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: GSQ:262.11  
Area of violation: Generators - General  
Date violation determined: 02/07/2002  
Date achieved compliance: 04/19/2002  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GSQ:262.34  
Area of violation: Generators - Pre-transport  
Date violation determined: 02/07/2002  
Date achieved compliance: 05/14/2002  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/14/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 02/07/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLASSIC CAR COATINGS (Continued)**

**1015741138**

Date achieved compliance: 04/19/2002  
Evaluation lead agency: State

Evaluation date: 02/07/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 05/14/2002  
Evaluation lead agency: State

Evaluation date: 09/05/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**C8  
SW  
< 1/8  
0.083 mi.  
440 ft.**

**HUGHES SUPPLY #HDHG7019  
3302 ENTERPRISE RD  
FORT PIERCE, FL 34982**

**RCRA-CESQG 1010315371  
FLR000132134**

**Site 1 of 4 in cluster C**

**Relative:  
Higher  
Actual:  
14 ft.**

RCRA-CESQG:  
Date form received by agency: 09/05/2006  
Facility name: HUGHES SUPPLY #HDHG7019  
Facility address: 3302 ENTERPRISE RD  
FORT PIERCE, FL 34982-6553

EPA ID: FLR000132134  
Contact: ROBERT PERKINS  
Contact address: 1905 ASTON AVE # 100  
CARLSBAD, CA 92008-7307

Contact country: US  
Contact telephone: 760-602-8700  
Contact email: RPERKINS@3ECOMPANY.COM  
EPA Region: 04  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:  
Owner/operator name: HUGHES SUPPLY INC  
Owner/operator address: 501 W CHURCH ST  
ORLANDO, FL 32805

Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUGHES SUPPLY #HDHG7019 (Continued)**

**1010315371**

Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 09/05/2006  
Owner/Op end date: Not reported

Owner/operator name: MULLINS ENTERPRISES  
Owner/operator address: 3302 ENTERPRISE RD  
FORT PIERCE, FL 34982

Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 09/05/2006  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002  
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D009  
. Waste name: MERCURY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUGHES SUPPLY #HDHG7019 (Continued)**

**1010315371**

. Waste code: D018  
. Waste name: BENZENE  
  
. Waste code: D035  
. Waste name: METHYL ETHYL KETONE  
  
Violation Status: No violations found

**C9  
SW  
< 1/8  
0.083 mi.  
440 ft.**

**MULLINS ENTERPRISES OF FT PIERCE INC  
3302 ENTERPRISE RD  
FORT PIERCE, FL 34982**

**AST U001051439  
N/A**

**Site 2 of 4 in cluster C**

**Relative:  
Higher  
Actual:  
14 ft.**

AST:  
Facility ID: 8518548  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (772) 370-7858  
DEP Contractor Own: P  
Region: STATE  
Positioning Method: DGPS  
Lat/Long (dms): 27 40 29.3999999 / 80 34 8.1999999

Owner:  
Owner Id: 15035  
Owner Name: MULLINS ENTERPRISES OF FT PIERCE INC  
Owner Address: 3302 ENTERPRISE RD  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: JEANETTE BOWEN  
Owner Phone: (772) 370-7858

Tank Id: 3  
Status: Removed  
Status Date: 01-AUG-2014  
Install Date: 01-DEC-1990  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 4000  
Tank Location: ABOVEGROUND

Tank Id: 4  
Status: Removed  
Status Date: 01-AUG-2014  
Install Date: 01-DEC-1990  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 1000  
Tank Location: ABOVEGROUND

[Click here for Florida Oculus:](#)

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**C10**  
**SW**  
 < 1/8  
 0.083 mi.  
 440 ft.

**MULLINS INC-OLD FUEL SITE**  
**3302 ENTERPRISE RD**  
**FORT PIERCE, FL 34942**  
 Site 3 of 4 in cluster C

**LUST** U004195577  
**UST** N/A  
**Financial Assurance**

**Relative:**  
**Higher**  
**Actual:**  
**14 ft.**

**LUST:**

Region: STATE  
 Facility Id: 9200916  
 Facility Status: CLOSED  
 Facility Type: C - Fuel user/Non-retail  
 Facility Phone: (407)461-6147  
 Facility Cleanup Rank: 3221  
 District: Southeast District  
 Lat/Long (dms): 27 24 10.2423 / 80 20 12.0935  
 Section: Not reported  
 Township: Not reported  
 Range: Not reported  
 Feature: Not reported  
 Method: UNVR  
 Datum: 0  
 Score: 50  
 Score Effective Date: 07/29/1998  
 Score When Ranked: 50  
 Operator: MULLINS INC  
 Name Update: Not reported  
 Address Update: Not reported

**Discharge Cleanup Summary:**

Discharge Date: 12/15/1989  
 PCT Discharge Combined: Not reported  
 Cleanup Required: R - CLEANUP REQUIRED  
 Discharge Cleanup Status: SRCR - SRCR COMPLETE  
 Disch Cleanup Status Date: 10/12/2006  
 Cleanup Work Status: COMPLETED  
 Information Source: A - ABANDONED TANK RESTORATION  
 Other Source Description: Not reported  
 Eligibility Indicator: E - ELIGIBLE  
 Site Manager: SMITH\_RL  
 Site Mgr End Date: 10/12/2006  
 Tank Office: PCTM3 - PETROLEUM CLEANUP TEAM 3 - LP MGMT

**Petroleum Cleanup Program Eligibility:**

Facility ID: 9200916  
 Discharge Date: 15-DEC-89  
 Pct Discharge Combined With: Not reported  
 Cleanup Required: R - CLEANUP REQUIRED  
 Discharge Cleanup Status: SRCR - SRCR COMPLETE  
 Disch Cleanup Status Date: 10/12/2006  
 Cleanup Work Status: COMPLETED  
 Information Source: A - ABANDONED TANK RESTORATION  
 Other Source Description: Not reported  
 Application Received Date: 04-FEB-91  
 Cleanup Program: A - ABANDONED TANK RESTORATION PROGRAM  
 Eligibility Status: 23-APR-92  
 Elig Status Date: 23-APR-92  
 Letter Of Intent Date: 02/13/1991  
 Redetermined: No  
 Inspection Date: 03/09/1990  
 Site Manager: SMITH\_RL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MULLINS INC-OLD FUEL SITE (Continued)**

**U004195577**

Site Mgr End Date: 10/12/2006  
Tank Office: PCTM3 - PETROLEUM CLEANUP TEAM 3 - LP MGMT  
Deductible Amount: 500  
Deductible Paid To Date: 500  
Co-Pay Amount: 0  
Co-Pay Paid To Date: 0  
Cap Amount: Not reported

Contaminated Media:  
Discharge Date: 12/15/1989  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 10/12/2006  
Cleanup Work Status: COMPLETED  
Information Source: A - ABANDONED TANK RESTORATION  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: SMITH\_RL  
Site Mgr End Date: 10/12/2006  
Tank Office: PCTM3 - PETROLEUM CLEANUP TEAM  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: Yes  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: M - Fuel Oil - Onsite Heat  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Task Information:  
District: SED  
Facility ID: 9200916  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 10-12-2006  
Discharge Date: 12-15-1989  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 10-12-2006  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 12-12-2005  
SRC Review Date: 10-12-2006  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 10-12-2006  
SRC Comment: SRCO ISSUED 10/12/06  
Cleanup Work Status: COMPLETED  
Site Mgr: SMITH\_RL  
Site Mgr End Date: 10-12-2006  
Tank Office: PCTM3 - Team 3  
SR Task ID: 40369  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 10-11-1990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MULLINS INC-OLD FUEL SITE (Continued)**

**U004195577**

SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 166  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40370  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: 40371  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 40372  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: 3  
RA Actual Cost: Not reported

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**UST:**

Facility Id: 9200916  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 461-6147  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 24 15 / 80 20 10

**Owner:**

Owner Id: 15035  
Owner Name: MULLINS ENTERPRISES OF FT PIERCE INC  
Owner Address: 3302 ENTERPRISE RD  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: JEANETTE BOWEN  
Owner Phone: (772) 370-7858

**Tank Info:**

Tank Id: 1  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Vehicular diesel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MULLINS INC-OLD FUEL SITE (Continued)**

**U004195577**

Content Description: Vehicular Diesel  
Gallons: 10000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 1  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 10000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 2000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 2000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

[Click here for Florida Oculus:](#)

**Tank Info:**

Tank Id: 1  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 10000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 1  
Status: Removed  
Status Date: 28-FEB-1990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MULLINS INC-OLD FUEL SITE (Continued)**

**U004195577**

Install Date: 01-FEB-1980  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 10000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 2000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 28-FEB-1990  
Install Date: 01-FEB-1980  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 2000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

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**FL Financial Assurance 3:**

Region: 3  
Facility ID: 8518548  
Facility Phone: (772) 370-7858  
Facility Status: CLOSED  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: ZURICH-AMERICAN  
Effective Date: 03-FEB-2010  
Expire Date: 03-FEB-2011  
Owner ID: 15035  
Owner Name: MULLINS ENTERPRISES OF FT PIERCE INC  
Owner Address: 3302 ENTERPRISE RD  
Owner Address2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Contact: JEANETTE BOWEN  
Resp Party Phone: (772) 370-7858

Region: 3  
Facility ID: 8518548  
Facility Phone: (772) 370-7858  
Facility Status: CLOSED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MULLINS INC-OLD FUEL SITE (Continued)**

**U004195577**

Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: NONE  
Insurance Company: Not reported  
Effective Date: Not reported  
Expire Date: Not reported  
Owner ID: 15035  
Owner Name: MULLINS ENTERPRISES OF FT PIERCE INC  
Owner Address: 3302 ENTERPRISE RD  
Owner Address2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Contact: JEANETTE BOWEN  
Resp Party Phone: (772) 370-7858

Region: 3  
Facility ID: 8518548  
Facility Phone: (772) 370-7858  
Facility Status: CLOSED  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: ZURICH-AMERICAN  
Effective Date: 03-FEB-2009  
Expire Date: 03-FEB-2010  
Owner ID: 15035  
Owner Name: MULLINS ENTERPRISES OF FT PIERCE INC  
Owner Address: 3302 ENTERPRISE RD  
Owner Address2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Contact: JEANETTE BOWEN  
Resp Party Phone: (772) 370-7858

Region: 3  
Facility ID: 8518548  
Facility Phone: (772) 370-7858  
Facility Status: CLOSED  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: ZURICH-AMERICAN  
Effective Date: 03-FEB-2011  
Expire Date: 03-FEB-2012  
Owner ID: 15035  
Owner Name: MULLINS ENTERPRISES OF FT PIERCE INC  
Owner Address: 3302 ENTERPRISE RD  
Owner Address2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Contact: JEANETTE BOWEN  
Resp Party Phone: (772) 370-7858

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

11  
 NNW  
 < 1/8  
 0.084 mi.  
 442 ft.

**KELLY BROS TRACTOR SERVICE INC**  
**3102 ENTERPRISE RD**  
**FORT PIERCE, FL 34982**

**LUST** U000121147  
**UST** N/A  
**DADE CO LW**

**Relative:**  
**Higher**  
**Actual:**  
**15 ft.**

**LUST:**  
 Region: STATE  
 Facility Id: 8630635  
 Facility Status: CLOSED  
 Facility Type: C - Fuel user/Non-retail  
 Facility Phone: (305)464-6356  
 Facility Cleanup Rank: Not reported  
 District: Southeast District  
 Lat/Long (dms): 27 24 25.8197 / 80 20 11.2076  
 Section: 028  
 Township: 35S  
 Range: 40E  
 Feature: Not reported  
 Method: UNVR  
 Datum: 0  
 Score: Not reported  
 Score Effective Date: Not reported  
 Score When Ranked: Not reported  
 Operator: KELLY BROS. TRACTOR SERVICE, INC  
 Name Update: 05/27/2005  
 Address Update: Not reported

**Discharge Cleanup Summary:**  
 Discharge Date: 05/28/1991  
 PCT Discharge Combined: Not reported  
 Cleanup Required: N - NO CLEANUP REQUIRED  
 Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
 Disch Cleanup Status Date: 05/29/2001  
 Cleanup Work Status: COMPLETED  
 Information Source: A - ABANDONED TANK RESTORATION  
 Other Source Description: Not reported  
 Eligibility Indicator: I - INELIGIBLE  
 Site Manager: Not reported  
 Site Mgr End Date: Not reported  
 Tank Office: -

**Task Information:**  
 District: SED  
 Facility ID: 8630635  
 Facility Status: CLOSED  
 Facility Type: C - Fuel user/Non-retail -  
 County: ST. LUCIE  
 County ID: 56  
 Cleanup Eligibility Status: I  
 Source Effective Date: Not reported  
 Discharge Date: 05-28-1991  
 Cleanup Required: N - NO CLEANUP REQUIRED  
 Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
 Disch Cleanup Status Date: 05-29-2001  
 SRC Action Type: -  
 SRC Submit Date: Not reported  
 SRC Review Date: Not reported  
 SRC Completion Status: -  
 SRC Issue Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KELLY BROS TRACTOR SERVICE INC (Continued)**

**U000121147**

SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: Not reported  
Site Mgr End Date: Not reported  
Tank Office: -  
SR Task ID: Not reported  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: Not reported  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: Not reported  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: Not reported  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: Not reported  
RA Actual Cost: Not reported

Click here for Florida Oculus:

UST:

Facility Id: 8630635  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (305) 464-6356  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 24 21 / 80 20 12

Owner:

Owner Id: 11787  
Owner Name: KELLY BROS TRACTOR SERVICE INC  
Owner Address: 3102 ENTERPRISE RD  
Owner Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KELLY BROS TRACTOR SERVICE INC (Continued)**

**U000121147**

Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: MARVIN KELLY  
Owner Phone: (305) 464-6356

**Tank Info:**

Tank Id: 1  
Status: Removed  
Status Date: 31-AUG-1991  
Install Date: 01-NOV-1986  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 31-AUG-1991  
Install Date: 01-NOV-1986  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 3  
Status: Removed  
Status Date: 31-AUG-1991  
Install Date: 01-NOV-1986  
Substance: Waste oil  
Content Description: Waste Oil  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

[Click here for Florida Oculus:](#)

**DADE CO LW:**

Facility Id: 200502251054067  
Permit Status: FACILITY NO LONGER NEEDS A PERMIT OR CLOSED  
Permit Code: 7  
Work Group: LW  
Work Group Number: 637  
Permit Number: LW-00000637  
Address Description: Not reported  
Folio: 90000000000001  
Title Code: AOP  
Title Code Description: ANNUAL OPERATING PERMIT  
Permit Title: LIQUID WASTE TRANSPORTERS  
Permit Class: ST  
Permit Class Description: SEPTIC TANK AND GREASE TRAPS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

C12  
SSW  
< 1/8  
0.102 mi.  
537 ft.

**DONALD HAYSLIP HOBBY SHOP**  
**3338 ENTERPRISE RD UNIT 4**  
**FORT PIERCE, FL 34982**

RCRA NonGen / NLR  
1015753280  
FLR000195784

Site 4 of 4 in cluster C

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
14 ft.

Date form received by agency: 10/29/2012  
Facility name: DONALD HAYSLIP HOBBY SHOP  
Facility address: 3338 ENTERPRISE RD UNIT 4  
FORT PIERCE, FL  
FORT PIERCE, FL 34982-6553  
EPA ID: FLR000195784  
Mailing address: ENTERPRISE RD  
FORT PIERCE, FL  
FORT PIERCE, FL 34982-6553  
Contact: DONALD HAYSLIP  
Contact address: ENTERPRISES RD UNIT 4  
FORT PIERCE, FL 34982  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 04  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DONALD HAYSLIP HOBBY SHOP  
Owner/operator address: 3338 ENTERPRISE RD FORT PIERCE, FL  
FORT PIERCE, FL 34982  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 10/29/2012  
Owner/Op end date: Not reported

Owner/operator name: DONALD HAYSLIP HOBBY SHOP  
Owner/operator address: 3338 ENTERPRISE RD FORT PIERCE, FL  
FORT PIERCE, FL 34982  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 10/29/2012  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DONALD HAYSLIP HOBBY SHOP (Continued)**

**1015753280**

Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 10/29/2012  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**D13  
ESE  
< 1/8  
0.116 mi.  
613 ft.**

**AMOCO OIL CO-BULK PLANT  
3401 OLEANDER AVE  
FORT PIERCE, FL 34982**

**LUST S120042896  
N/A**

**Site 1 of 4 in cluster D**

**Relative:  
Higher  
Actual:  
17 ft.**

LUST:  
Region: STATE  
Facility Id: 8516040  
Facility Status: CLOSED  
Facility Type: D - Bulk Storage Facility  
Facility Phone: (407)461-3187  
Facility Cleanup Rank: 1605  
District: Southeast District  
Lat/Long (dms): 27 23 59.001 / 80 20 4.003  
Section: 028  
Township: 35S  
Range: 40E  
Feature: Not reported  
Method: UNVR  
Datum: 0  
Score: 41  
Score Effective Date: 09/19/2005  
Score When Ranked: 62  
Operator: AMOCO OIL CO  
Name Update: Not reported  
Address Update: Not reported

Discharge Cleanup Summary:

Discharge Date: 09/08/1988  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 03/28/2008  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMOCO OIL CO-BULK PLANT (Continued)**

**S120042896**

Eligibility Indicator: E - ELIGIBLE  
Site Manager: PEDDIE\_R  
Site Mgr End Date: 03/28/2008  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM 1

Petroleum Cleanup Program Eligibility:  
Facility ID: 8516040  
Discharge Date: 08-SEP-88  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 03/28/2008  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Application Received Date: 24-OCT-88  
Cleanup Program: E - EARLY DETECTION INCENTIVE  
Eligibility Status: 24-OCT-90  
Elig Status Date: 24-OCT-90  
Letter Of Intent Date: 11/23/1988  
Redetermined: No  
Inspection Date: 12/15/1988  
Site Manager: PEDDIE\_R  
Site Mgr End Date: 03/28/2008  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM 1  
Deductible Amount: Not reported  
Deductible Paid To Date: 0  
Co-Pay Amount: Not reported  
Co-Pay Paid To Date: 0  
Cap Amount: Not reported

Contaminated Media:  
Discharge Date: 09/08/1988  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 03/28/2008  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: PEDDIE\_R  
Site Mgr End Date: 03/28/2008  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: Yes  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: Y - Unknown/Not Reported  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Task Information:  
District: SED  
Facility ID: 8516040  
Facility Status: CLOSED  
Facility Type: D - Bulk Storage Facility -  
County: ST. LUCIE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMOCO OIL CO-BULK PLANT (Continued)**

**S120042896**

County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 03-28-2008  
Discharge Date: 09-08-1988  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 03-28-2008  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 01-02-2008  
SRC Review Date: 03-11-2008  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 03-28-2008  
SRC Comment: RANDI PEDDIE  
Cleanup Work Status: COMPLETED  
Site Mgr: PEDDIE\_R  
Site Mgr End Date: 03-28-2008  
Tank Office: PCTM1 - Team 1  
SR Task ID: 40949  
SR Cleanup Responsible: RP - RESPONSIBLE PARTY  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 06-08-1993  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 55  
SR Soil Treatment: Not reported  
SR Other Treatment: 5/2/02 1,280.22 TONS  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40950  
SA Cleanup Responsible: RP - RESPONSIBLE PARTY  
SA Funding Eligibility Type: -  
SA Actual Cost: \$68,634.75  
SA Completion Date: 08-19-1991  
SA Payment Date: 08-27-1993  
RAP Task ID: 40951  
RAP Cleanup Responsible ID: RP - RESPONSIBLE PARTY  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: 01-05-1993  
RAP Payment Date: Not reported  
RAP Last Order Approved: 1993-01-05 00:00:00  
RA Task ID: 40952  
RA Cleanup Responsible: RP - RESPONSIBLE PARTY  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D14**  
**ESE**  
 < 1/8  
 0.116 mi.  
 613 ft.

**JOHNSON OIL CO INC**  
**3401 OLEANDER AVENUE**  
**FORT PIERCE, FL 33450**

**EDR Hist Auto**    **1020421046**  
 N/A

**Relative:**  
**Higher**

EDR Hist Auto

**Actual:**  
 17 ft.

Year:	Name:	Type:
1979	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1980	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1982	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1983	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1985	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1986	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1987	JOHNSON OIL CO INC	Petroleum Bulk Stations And Terminals
1988	JOHNSON OIL CO INC	Gasoline Service Stations

**D15**  
**ESE**  
 < 1/8  
 0.116 mi.  
 613 ft.

**AMOCO BULK PLANT**  
**3401 OLEANDER AVE**  
**FORT PIERCE, FL 34982**

**RCRA-CESQG**    **1014471703**  
**FLTMP9404720**

**Relative:**  
**Higher**

RCRA-CESQG:

**Actual:**  
 17 ft.

Date form received by agency: 05/10/1994  
 Facility name: AMOCO BULK PLANT  
 Facility address: 3401 OLEANDER AVE  
 FORT PIERCE, FL 34982-6537  
 EPA ID: FLTMP9404720  
 Contact: Not reported  
 Contact address: Not reported  
 Not reported  
 Contact country: US  
 Contact telephone: Not reported  
 Contact email: Not reported  
 EPA Region: 04  
 Classification: Conditionally Exempt Small Quantity Generator  
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMOCO BULK PLANT (Continued)**

**1014471703**

Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**16  
ENE  
< 1/8  
0.120 mi.  
634 ft.**

**MANNING BUILDING MATERIALS  
3315 OLEANDER AVE  
FORT PIERCE, FL 34982**

**UST U001373026  
AST N/A  
Financial Assurance**

**Relative:  
Higher  
Actual:  
15 ft.**

UST:  
Facility Id: 8631081  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 464-8713  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 23 30 / 80 19 39  
Owner:  
Owner Id: 12741  
Owner Name: MANNING BUILDING MATERIALS  
Owner Address: 3315 OLEANDER AVE  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: MIKE HAAS  
Owner Phone: (407) 464-8713

Tank Info:  
Tank Id: 1  
Status: Closed in place  
Status Date: 30-APR-1989  
Install Date: 01-JUL-1974  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 2200  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Click here for Florida Oculus:

AST:  
Facility ID: 8631081  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 464-8713  
DEP Contractor Own: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANNING BUILDING MATERIALS (Continued)**

**U001373026**

Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 23 30 / 80 19 39

Owner:  
Owner Id: 12741  
Owner Name: MANNING BUILDING MATERIALS  
Owner Address: 3315 OLEANDER AVE  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: MIKE HAAS  
Owner Phone: (407) 464-8713

Tank Id: 2  
Status: Removed  
Status Date: 01-NOV-1995  
Install Date: 01-JUL-1988  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 1000  
Tank Location: ABOVEGROUND

[Click here for Florida Oculus:](#)

**FL Financial Assurance 3:**

Region: 3  
Facility ID: 8631081  
Facility Phone: (407) 464-8713  
Facility Status: CLOSED  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 25-JAN-1995  
Expire Date: 21-OCT-1997  
Owner ID: 12741  
Owner Name: MANNING BUILDING MATERIALS  
Owner Address: 3315 OLEANDER AVE  
Owner Address2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Contact: MIKE HAAS  
Resp Party Phone: (407) 464-8713

**D17**  
**ESE**  
**1/8-1/4**  
**0.133 mi.**  
**702 ft.**

**GRAYBAR ELECTRIC CO**  
**3451 OLEANDER AVE**  
**FORT PIERCE, FL 34982**  
**Site 4 of 4 in cluster D**

**RCRA NonGen / NLR** **1000441143**  
**FINDS** **FLD011386992**  
**ECHO**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 01/24/1990  
Facility name: GRAYBAR ELECTRIC CO  
Facility address: 3451 OLEANDER AVE  
FORT PIERCE, FL 34982-6588  
EPA ID: FLD011386992

**Actual:**  
**18 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAYBAR ELECTRIC CO (Continued)**

**1000441143**

Mailing address: OLEANDER AVE  
FORT PIERCE, FL 34982-6537  
Contact: HOWARD HALL  
Contact address: OLEANDER AVE  
FORT PIERCE, FL 34982-6537  
Contact country: US  
Contact telephone: 305-232-1530  
Contact email: Not reported  
EPA Region: 04  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HOWARD HALL  
Owner/operator address: 3451 OLEANDER AVE  
FORT PIERCE, FL 34982  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 10/18/1996  
Owner/Op end date: Not reported

Owner/operator name: HALL HOWARD  
Owner/operator address: 3451 OLEANDER AVE  
FORT PIERCE, FL 34982  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 10/18/1996  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAYBAR ELECTRIC CO (Continued)**

**1000441143**

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**FINDS:**

Registry ID: 110008322797

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Florida Environmental System Today Application (FIESTA) Data Maintenance (FDM) system maintains entity, environmental interest and affiliation data for the State of Florida.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000441143  
Registry ID: 110008322797  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008322797>

**18  
NE  
1/8-1/4  
0.171 mi.  
902 ft.**

**CLAYS ASPHALT MAINTENANCE INC  
3309 OLEANDER AVE  
FORT PIERCE, FL 34982**

**RCRA NonGen / NLR 1001076144  
FINDS FLR000010322  
ECHO**

**Relative:  
Higher  
Actual:  
14 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 05/21/2010  
Facility name: CLAYS ASPHALT MAINTENANCE INC  
Facility address: 3309 OLEANDER AVE  
FORT PIERCE, FL 34982-6535  
EPA ID: FLR000010322  
Mailing address: OLEANDER AVE  
FORT PIERCE, FL 34982-6535  
Contact: CLAY RIDGON  
Contact address: OLEANDER AVE  
FORT PIERCE, FL 34982-6535  
Contact country: US  
Contact telephone: 407-465-1134  
Contact email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLAYS ASPHALT MAINTENANCE INC (Continued)**

**1001076144**

EPA Region: 04  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CLAY RIDGON  
Owner/operator address: 3309 OLEANDER AVE  
FORT PIERCE, FL 34982  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 10/18/1996  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/25/1995  
Site name: CLAYS ASPHALT MAINTENANCE INC  
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: GGR:  
Area of violation: Generators - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP WARNING LETTER  
Enforcement action date: 11/21/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLAYS ASPHALT MAINTENANCE INC (Continued)**

**1001076144**

Regulation violated: GGR:  
Area of violation: Generators - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP MEETING  
Enforcement action date: 01/10/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GOR:  
Area of violation: Listing - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP MEETING  
Enforcement action date: 11/21/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GOR:  
Area of violation: Listing - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP WARNING LETTER  
Enforcement action date: 11/21/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GOR:  
Area of violation: Listing - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP MEETING  
Enforcement action date: 01/10/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GOR:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLAYS ASPHALT MAINTENANCE INC (Continued)**

**1001076144**

Area of violation: Listing - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP SHORT FORM CONSENT ORDER  
Enforcement action date: 02/20/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GGR:  
Area of violation: Generators - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP MEETING  
Enforcement action date: 11/21/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: GGR:  
Area of violation: Generators - General  
Date violation determined: 11/21/1995  
Date achieved compliance: 02/20/1996  
Violation lead agency: State  
Enforcement action: DEP SHORT FORM CONSENT ORDER  
Enforcement action date: 02/20/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:  
Evaluation date: 08/25/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Listing - General  
Date achieved compliance: 02/20/1996  
Evaluation lead agency: State

Evaluation date: 08/25/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 02/20/1996  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110005632191

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLAYS ASPHALT MAINTENANCE INC (Continued)**

**1001076144**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Florida Environmental System Today Application (FIESTA) Data Maintenance (FDM) system maintains entity, environmental interest and affiliation data for the State of Florida.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1001076144  
Registry ID: 110005632191  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005632191>

**19  
SE  
1/8-1/4  
0.194 mi.  
1022 ft.**

**FL INSULATION  
3490 OLEANDER AVE  
FORT PIERCE, FL 34981**

**LUST U001823788  
UST N/A**

**Relative:  
Higher  
Actual:  
19 ft.**

LUST:

Region: STATE  
Facility Id: 9400359  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail  
Facility Phone: (407)465-9191  
Facility Cleanup Rank: 492  
District: Southeast District  
Lat/Long (dms): 27 23 52.7152 / 80 20 0.5641  
Section: Not reported  
Township: Not reported  
Range: Not reported  
Feature: Not reported  
Method: UNVR  
Datum: 0  
Score: 77  
Score Effective Date: 01/06/1998  
Score When Ranked: 77  
Operator: CHARLES NELSON  
Name Update: Not reported  
Address Update: Not reported

Discharge Cleanup Summary:

Discharge Date: 05/10/1993  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 04/22/2005  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL INSULATION (Continued)**

**U001823788**

Eligibility Indicator: E - ELIGIBLE  
Site Manager: FOSTER\_T  
Site Mgr End Date: 05/20/2005  
Tank Office: PCTM4 - PETROLEUM CLEANUP TEAM 4 - ATC

Petroleum Cleanup Program Eligibility:  
Facility ID: 9400359  
Discharge Date: 10-MAY-93  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 04/22/2005  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Application Received Date: 09-NOV-94  
Cleanup Program: A - ABANDONED TANK RESTORATION PROGRAM  
Eligibility Status: 16-DEC-94  
Elig Status Date: 16-DEC-94  
Letter Of Intent Date: 01/04/1995  
Redetermined: No  
Inspection Date: 02/15/1994  
Site Manager: FOSTER\_T  
Site Mgr End Date: 05/20/2005  
Tank Office: PCTM4 - PETROLEUM CLEANUP TEAM 4 - ATC  
Deductible Amount: 500  
Deductible Paid To Date: 500  
Co-Pay Amount: 0  
Co-Pay Paid To Date: 0  
Cap Amount: Not reported

Contaminated Media:  
Discharge Date: 05/10/1993  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 04/22/2005  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: FOSTER\_T  
Site Mgr End Date: 05/20/2005  
Tank Office: PCTM4 - PETROLEUM CLEANUP TEAM  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: Yes  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: A - Leaded Gas  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Task Information:  
District: SED  
Facility ID: 9400359  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL INSULATION (Continued)**

**U001823788**

County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 11-29-2004  
Discharge Date: 05-10-1993  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 04-22-2005  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 11-23-2004  
SRC Review Date: 11-25-2004  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 04-22-2005  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: FOSTER\_T  
Site Mgr End Date: 05-20-2005  
Tank Office: PCTM4 - Team 4  
SR Task ID: 40264  
SR Cleanup Responsible: RP - RESPONSIBLE PARTY  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 05-10-1993  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 61  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40265  
SA Cleanup Responsible: RP - RESPONSIBLE PARTY  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: 03-30-1995  
SA Payment Date: Not reported  
RAP Task ID: 40266  
RAP Cleanup Responsible ID: RP - RESPONSIBLE PARTY  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 40267  
RA Cleanup Responsible: RP - RESPONSIBLE PARTY  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

UST:

Facility Id: 9400359

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL INSULATION (Continued)**

**U001823788**

Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 465-9191  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 24 33 / 80 20 23  
  
Owner:  
Owner Id: 15335  
Owner Name: 3 N INVESTMENTS  
Owner Address: 3490 OLEANDER AVE  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: CHARLES NELSON  
Owner Phone: (407) 465-9191

Tank Info:  
Tank Id: 1  
Status: Removed  
Status Date: 31-MAY-1993  
Install Date: Not reported  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 4000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

[Click here for Florida Oculus:](#)

**E20**  
**South**  
**1/8-1/4**  
**0.208 mi.**  
**1096 ft.**

**EAST COAST ALUMINUM PRODUCTS**  
**1150 BELL AVE**  
**FORT PIERCE, FL 34982**

**RCRA-CESQG 1014468587**  
**FLT990063299**

**Site 1 of 2 in cluster E**

**Relative:**  
**Higher**

RCRA-CESQG:

**Actual:**  
**16 ft.**

Date form received by agency: 06/21/1999  
Facility name: EAST COAST ALUMINUM PRODUCTS  
Facility address: 1150 BELL AVE  
FORT PIERCE, FL 34982-6581  
  
EPA ID: FLT990063299  
Contact: Not reported  
Contact address: Not reported  
Not reported  
  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 04  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EAST COAST ALUMINUM PRODUCTS (Continued)**

**1014468587**

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**F21  
 NE  
 1/8-1/4  
 0.221 mi.  
 1169 ft.**

**SOUTHERN CULVERT  
 1031 DIGIORGIO RD  
 FORT PIERCE, FL 34982  
 Site 1 of 2 in cluster F**

**LUST S103392143  
 AST N/A  
 Financial Assurance  
 NPDES**

**Relative:  
 Higher  
 Actual:  
 14 ft.**

LUST:  
 Region: STATE  
 Facility Id: 8521847  
 Facility Status: CLOSED  
 Facility Type: C - Fuel user/Non-retail  
 Facility Phone: (407)464-4400  
 Facility Cleanup Rank: 3221  
 District: Southeast District  
 Lat/Long (dms): 27 24 11.3472 / 80 20 11.1516  
 Section: 028  
 Township: 035  
 Range: 040  
 Feature: Not reported  
 Method: UNVR  
 Datum: 0  
 Score: 59  
 Score Effective Date: 02/09/2010  
 Score When Ranked: 50  
 Operator: SOUTHERN CULVERT  
 Name Update: Not reported  
 Address Update: Not reported

Discharge Cleanup Summary:

Discharge Date: 10/05/1998  
 PCT Discharge Combined: Not reported  
 Cleanup Required: R - CLEANUP REQUIRED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN CULVERT (Continued)**

**S103392143**

Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 06/13/2011  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Eligibility Indicator: E - ELIGIBLE  
Site Manager: ALTUN\_M  
Site Mgr End Date: 10/28/2009  
Tank Office: PCTM2 - PETROLEUM CLEANUP TEAM 2

Petroleum Cleanup Program Eligibility:  
Facility ID: 8521847  
Discharge Date: 05-OCT-98  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 06/13/2011  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Application Received Date: 19-JAN-01  
Cleanup Program: P - PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM  
Eligibility Status: 19-JAN-01  
Elig Status Date: 19-JAN-01  
Letter Of Intent Date: Not reported  
Redetermined: No  
Inspection Date: 10/06/1998  
Site Manager: ALTUN\_M  
Site Mgr End Date: 10/28/2009  
Tank Office: PCTM2 - PETROLEUM CLEANUP TEAM 2  
Deductible Amount: 10000  
Deductible Paid To Date: 10000  
Co-Pay Amount: Not reported  
Co-Pay Paid To Date: 0  
Cap Amount: 300000

Contaminated Media:  
Discharge Date: 10/05/1998  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 06/13/2011  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: ALTUN\_M  
Site Mgr End Date: 10/28/2009  
Tank Office: PCTM2 - PETROLEUM CLEANUP TEAM  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: No  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: D - Vehicular Diesel  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN CULVERT (Continued)**

**S103392143**

Task Information:

District: SED  
Facility ID: 8521847  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 06-13-2011  
Discharge Date: 10-05-1998  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 06-13-2011  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 05-04-2011  
SRC Review Date: 06-06-2011  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 06-13-2011  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: ALTUN\_M  
Site Mgr End Date: 10-28-2009  
Tank Office: PCTM2 - Team 2  
SR Task ID: 89831  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 06-24-2009  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 334  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 66484  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: 89832  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 72404  
RA Cleanup Responsible: ST - STATE  
RA Funding Eligibility Type: SCR - PRIORITY SCORE ORDER  
RA Years to Complete: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN CULVERT (Continued)**

**S103392143**

RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

AST:

Facility ID: 8521847  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 464-4400  
DEP Contractor Own: P  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 26 42 / 80 22 3

Owner:

Owner Id: 20299  
Owner Name: SOUTHERN CULVERT  
Owner Address: 8250 62ND ST  
Owner Address 2: ATTN: ROBERT SHELTON  
Owner City,St,Zip: PINELLAS PARK, FL 34665  
Owner Contact: ROB WILLIAMS  
Owner Phone: (813) 544-8811

Tank Id: 1  
Status: Removed  
Status Date: 01-SEP-1998  
Install Date: Not reported  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 8000  
Tank Location: ABOVEGROUND

[Click here for Florida Oculus:](#)

FL Financial Assurance 3:

Region: 3  
Facility ID: 8521847  
Facility Phone: (407) 464-4400  
Facility Status: CLOSED  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 29-DEC-1994  
Expire Date: 29-DEC-1999  
Owner ID: 20299  
Owner Name: SOUTHERN CULVERT  
Owner Address: 8250 62ND ST  
Owner Address2: ATTN: ROBERT SHELTON  
Owner City,St,Zip: PINELLAS PARK, FL 34665  
Contact: ROB WILLIAMS  
Resp Party Phone: (813) 544-8811

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SOUTHERN CULVERT (Continued)**

**S103392143**

**WASTEWATER:**

Facility ID:	FLRNEE924
Facility Type:	Stormwater No Exposure Certification
Status:	Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
District Office:	TLST
NPDES Permitted Site:	Not reported
Environmental Interest:	Not reported
Owner Type:	Private
Permit Capacity:	Not reported
Party Name:	Dan Moody, PMTE
Company Name:	Contech Engineered Solutions LLC
RP Address:	9025 Centre Pointe Dr
RP Address 2:	Ste 400
RP City,Stat,Zip:	West Chester OH 45069-4987
Telephone:	5136457055
Email:	dmoody@conteches.com
Issue Date:	01/20/2017
Effective Date:	01/20/2017
Expiration Date:	01/19/2022
DOC Description:	Generic Permit
Latitude Degrees:	27
Latitude Minutes:	24
Latitude Seconds:	12.22
Longitude Degrees:	80
Longitude Minutes:	20
Longitude Seconds:	12.45
Treatment:	Not reported
Decode For Fstatus:	Active

**E22**  
**South**  
**1/8-1/4**  
**0.242 mi.**  
**1280 ft.**

**FINISHMASTER AUTOMOTIVE & INDUSTRIAL PAINT**  
**1200 BELL AVE**  
**FORT PIERCE, FL 34982**  
**Site 2 of 2 in cluster E**

**RCRA-CESQG 1004684940**  
**FINDS FLR000039974**  
**ECHO**

**Relative:**  
**Higher**  
**Actual:**  
**16 ft.**

<b>RCRA-CESQG:</b>	
Date form received by agency:	02/24/2014
Facility name:	FINISHMASTER AUTOMOTIVE & INDUSTRIAL PAINT
Facility address:	1200 BELL AVE FORT PIERCE, FL 34982-6567
EPA ID:	FLR000039974
Mailing address:	NE 3RD AVE OAKLAND PARK, FL 33334-1226
Contact:	ED CROTTEAU
Contact address:	BELL AVENUE FORT PIERCE, FL 34982
Contact country:	US
Contact telephone:	772-465-4031
Contact email:	CROTTEAU@FINISHMASTER.COM
EPA Region:	04
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FINISHMASTER AUTOMOTIVE & INDUSTRIAL PAINT (Continued)**

**1004684940**

month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: LACY DISTRIBUTION  
Owner/operator address: 54 MONUMENT CIR  
INDIANAPOLIS, IN 46204  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 02/13/1998  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Historical Generators:

Date form received by agency: 02/13/1998  
Site name: FINISHMASTER AUTOMOTIVE & INDUSTRIAL PAINT  
Classification: Conditionally Exempt Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FINISHMASTER AUTOMOTIVE & INDUSTRIAL PAINT (Continued)**

**1004684940**

. Waste code: D001  
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/24/2014  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

FINDS:

Registry ID: 110005646863

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Florida Environmental System Today Application (FIESTA) Data Maintenance (FDM) system maintains entity, environmental interest and affiliation data for the State of Florida.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004684940  
Registry ID: 110005646863  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005646863>

F23  
NNE  
1/8-1/4  
0.247 mi.  
1303 ft.

**WHITEHEAD PROPERTY**  
**3239 OLEANDER AVE**  
**FORT PIERCE, FL 34982**  
**Site 2 of 2 in cluster F**

**LUST U003343172**  
**UST N/A**

Relative:  
Higher  
Actual:  
14 ft.

LUST:  
Region: STATE  
Facility Id: 9800431  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail  
Facility Phone: Not reported  
Facility Cleanup Rank: Not reported  
District: Southeast District

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHITEHEAD PROPERTY (Continued)**

**U003343172**

Lat/Long (dms): 27 24 16.866 / 80 20 3.7702  
Section: Not reported  
Township: Not reported  
Range: Not reported  
Feature: Not reported  
Method: Not reported  
Datum: Not reported  
Score: 41  
Score Effective Date: 03/20/2002  
Score When Ranked: Not reported  
Operator: WILLIAM WHITEHEAD  
Name Update: Not reported  
Address Update: Not reported

Discharge Cleanup Summary:  
Discharge Date: 04/01/1998  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 11/07/2003  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Eligibility Indicator: I - INELIGIBLE  
Site Manager: KUEHLE\_N  
Site Mgr End Date: 01/05/2006  
Tank Office: PCSSED - SED CLEANUP & COMPLIANCE ASSURANCE PROGRAM

Contaminated Media:  
Discharge Date: 04/01/1998  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 11/07/2003  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Elig Indicator: I - INELIGIBLE  
Site Manager: KUEHLE\_N  
Site Mgr End Date: 01/05/2006  
Tank Office: PCSSED - SED CLEANUP & COMPLIAN

Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: Not reported  
Contaminated Soil: Yes  
Contaminated Surface Water: Not reported  
Contaminated Ground Water: Not reported  
Pollutant: A - Leaded Gas  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Task Information:  
District: SED  
Facility ID: 9800431  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: I  
Source Effective Date: 11-07-2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHITEHEAD PROPERTY (Continued)**

**U003343172**

Discharge Date: 04-01-1998  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 11-07-2003  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 09-25-2003  
SRC Review Date: 10-30-2003  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 11-07-2003  
SRC Comment: NFA/SRCO APPROVED-MEMO DATED 10/30/03, REC 11/6/03  
Cleanup Work Status: COMPLETED  
Site Mgr: KUEHLE\_N  
Site Mgr End Date: 01-05-2006  
Tank Office: PCSSED - Southeast District  
SR Task ID: Not reported  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 66393  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: Not reported  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 72350  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

UST:

Facility Id: 9800431  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHITEHEAD PROPERTY (Continued)**

**U003343172**

Region: STATE  
Positioning Method: Not reported  
Lat/Long (dms): Not reported

Owner Records Not Found for this facility id:

Tank Info:

Tank Id: 1  
Status: Removed  
Status Date: 01-MAY-1998  
Install Date: Not reported  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 1250  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 01-MAY-1998  
Install Date: Not reported  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

[Click here for Florida Oculus:](#)

24  
SE  
1/4-1/2  
0.252 mi.  
1329 ft.

**GOODMAN MANUFACTURING CO FORMERLY PIONEER METALS**  
**900 FARMERS MARKET ROAD**  
**FORT PIERCE, FL 34982**

**CLEANUP SITES** S113720589  
**RESP PARTY** N/A

**Relative:**  
**Higher**  
**Actual:**  
**20 ft.**

CLEANUP SITES:  
DEP Cleanup Site Key: 54047255  
Source Database Name: Compliance and Enforcement Tracking - Responsible Party waste cleanup under 62-780  
Source Database Id: Not reported  
CPAC Program Area Id: CU  
CLLC Cleanup Category Key: OTHCU  
RSC2 Remediation Status Key: ACTIVE  
Data Load Date: 05/29/2018  
OC3 Office Id: SED  
Physical Address Line 2: Not reported  
OIC Object Of Interest Id: CAP\_R  
PC2 Proximity Id: VICIN  
Calc Coordinates Accuracy Level Id: 3  
CMC2 Coordinate Method Id: Digital Aerial Photography With Ground Control  
DC4 Datum Id: North American Datum of 1983  
VSC1 Verification Status: REVIEWED  
Collect Username: WIERZBICKI\_P  
Collect Date: 07/11/2012  
Collect Affiliation: Florida Department of Environmental Protection  
Map Source: IMAGERY\_04\_09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOODMAN MANUFACTURING CO FORMERLY PIONEER METALS (Continued)**

**S113720589**

Map Source Scale: 5000  
Interpolation Scale: Not reported  
Verifier Username: WIERZBICKI\_P  
Verifier Affiliation: Florida Department of Environmental Protection  
Verification Date: 07/11/2012  
Verified Coordinate Method Id: Digital Aerial Photography With Ground Control  
Source Database Name Code: COMET  
CMC2 Coordinate Method ID Code: DPHO  
DC4 Datum ID Code: NAD83  
Verified Coordinate Method ID Code: DPHO  
Comments: Not reported  
Latitude/Longitude (deg/min/sec): 27 23 51.0639 / 80 20 0.1018

**RESP PARTY:**

District: Southeast District  
Site Id: 171940  
Project Id: 239887  
Site Status: OPEN  
Project Manager: BRYANT\_JC  
OGC Case Number: 01-0120  
Initial Date Received: 04/17/2000  
Contaminants: Solvents  
Offsite Cont Impact: Y  
Priority Score: 38  
Datum: NAD83  
Method ID: DPHO  
Feature: At S. side of facility  
Object Of Interest: CAP\_RAP SITE  
Proximity To Object: VICIN  
Collect Username: WIERZBICKI\_P  
Collect Affiliation: Florida Department of Environmental Protection  
Collect Program Id: CR  
Collect Date: 07/11/2012  
Map Series Used: IMAGERY\_04\_09  
Map Source Scale: 5000  
Interpolation Scale: 5000  
Coordinate Accuracy Id: 3  
Verify Method Id: DPHO  
Verifier Username: WIERZBICKI\_P  
Verifier Affiliation: Florida Department of Environmental Protection  
Verifying Program Id: CL  
Verification Date: 07/11/2012  
Decode for District: Southeast District  
Decode for Datum: North American Datum of 1983  
Decode for Method: Digital Aerial Photography With Ground Control  
Decode for Off Site COC: Yes, there is documentation that contamination above applicable standards or criteria exists offsite.  
Decode for V\_Method: Digital Aerial Photography With Ground Control  
Latitude/Longitude (deg/min/sec): 27 23 51.0638999 / 80 20 0.1018

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**25**  
**South**  
**1/4-1/2**  
**0.258 mi.**  
**1364 ft.**

**FL DEPT OF JUVENILE JUSTICE**  
**1301 BELL AVE**  
**FORT PIERCE, FL 34982**

**LUST** **U003167460**  
**UST** **N/A**  
**CLEANUP SITES**  
**DWM CONTAM**

**Relative:**  
**Higher**  
**Actual:**  
**15 ft.**

**LUST:**  
 Region: STATE  
 Facility Id: 9602376  
 Facility Status: CLOSED  
 Facility Type: G - State Government  
 Facility Phone: (772)468-3940  
 Facility Cleanup Rank: 7166  
 District: Southeast District  
 Lat/Long (dms): 27 23 41.7644 / 80 20 15.7459  
 Section: Not reported  
 Township: Not reported  
 Range: Not reported  
 Feature: Not reported  
 Method: UNVR  
 Datum: Not reported  
 Score: 29  
 Score Effective Date: 07/19/2013  
 Score When Ranked: 25  
 Operator: ROBERT PETERSON  
 Name Update: Not reported  
 Address Update: Not reported

**Discharge Cleanup Summary:**  
 Discharge Date: 07/26/1996  
 PCT Discharge Combined: Not reported  
 Cleanup Required: R - CLEANUP REQUIRED  
 Discharge Cleanup Status: SA - SA ONGOING  
 Disch Cleanup Status Date: 12/15/2017  
 Cleanup Work Status: ACTIVE  
 Information Source: C - CLOSURE REPORT  
 Other Source Description: Not reported  
 Eligibility Indicator: E - ELIGIBLE  
 Site Manager: KOLODNY\_D  
 Site Mgr End Date: Not reported  
 Tank Office: PCLP5 - BREVARD COUNTY NATURAL RESOURCES MGMT OFFICE

**Petroleum Cleanup Program Eligibility:**  
 Facility ID: 9602376  
 Discharge Date: 26-JUL-96  
 Pct Discharge Combined With: Not reported  
 Cleanup Required: R - CLEANUP REQUIRED  
 Discharge Cleanup Status: SA - SA ONGOING  
 Disch Cleanup Status Date: 12/15/2017  
 Cleanup Work Status: ACTIVE  
 Information Source: C - CLOSURE REPORT  
 Other Source Description: Not reported  
 Application Received Date: Not reported  
 Cleanup Program: C - PETROLEUM CLEANUP PARTICIPATION PROGRAM  
 Eligibility Status: 23-MAY-97  
 Elig Status Date: 23-MAY-97  
 Letter Of Intent Date: 05/22/1997  
 Redetermined: No  
 Inspection Date: 07/02/1996  
 Site Manager: KOLODNY\_D

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF JUVENILE JUSTICE (Continued)

U003167460

Site Mgr End Date: Not reported  
Tank Office: PCLP5 - BREVARD COUNTY NATURAL RESOURCES MGMT OFFICE  
Deductible Amount: Not reported  
Deductible Paid To Date: 0  
Co-Pay Amount: 25  
Co-Pay Paid To Date: 0  
Cap Amount: 400000

Contaminated Media:  
Discharge Date: 07/26/1996  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SA - SA ONGOING  
Disch Cleanup Status Date: 12/15/2017  
Cleanup Work Status: ACTIVE  
Information Source: C - CLOSURE REPORT  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: KOLODNY\_D  
Site Mgr End Date: Not reported  
Tank Office: PCLP5 - BREVARD COUNTY NATURAL  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: No  
Contaminated Soil: No  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: G - Emerg Generator Diesel  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Task Information:  
District: SED  
Facility ID: 9602376  
Facility Status: CLOSED  
Facility Type: G - State Government -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: Not reported  
Discharge Date: 07-26-1996  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SA - SA ONGOING  
Disch Cleanup Status Date: 12-15-2017  
SRC Action Type: -  
SRC Submit Date: Not reported  
SRC Review Date: Not reported  
SRC Completion Status: -  
SRC Issue Date: Not reported  
SRC Comment: Not reported  
Cleanup Work Status: ACTIVE  
Site Mgr: KOLODNY\_D  
Site Mgr End Date: Not reported  
Tank Office: PCLP5 - Brevard County  
SR Task ID: Not reported  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF JUVENILE JUSTICE (Continued)**

**U003167460**

SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 94758  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: Not reported  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: Not reported  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: Not reported  
RA Actual Cost: Not reported

Click here for Florida Oculus:

UST:

Facility Id: 9602376  
Facility Status: CLOSED  
Type Description: State Government  
Facility Phone: (772) 468-3940  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 24 7 / 80 20 9

Owner Records Not Found for this facility id:

Tank Info:

Tank Id: 1  
Status: Removed  
Status Date: 01-JAN-1982  
Install Date: 01-JAN-1982  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 150  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF JUVENILE JUSTICE (Continued)**

**U003167460**

[Click here for Florida Oculus:](#)

**CLEANUP SITES:**

DEP Cleanup Site Key: 54054055  
Source Database Name: Storage Tank Contamination Monitoring  
Source Database Id: 9602376  
CPAC Program Area Id: TK  
CLLC Cleanup Category Key: PETRO  
RSC2 Remediation Status Key: ACTIVE  
Data Load Date: 05/29/2018  
OC3 Office Id: SED  
Physical Address Line 2: Not reported  
OIC Object Of Interest Id: FACIL  
PC2 Proximity Id: EXACT  
Calc Coordinates Accuracy Level Id: 3  
CMC2 Coordinate Method Id: Differentially Corrected GPS  
DC4 Datum Id: Geodetic Survey of 1984  
VSC1 Verification Status: REVIEWED  
Collect Username: STONE\_H  
Collect Date: 04/01/2005  
Collect Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Map Source: 1999 doqs  
Map Source Scale: 5000  
Interpolation Scale: Not reported  
Verifier Username: STONE\_H  
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Verification Date: 04/01/2005  
Verified Coordinate Method Id: Digital Aerial Photography With Ground Control  
Source Database Name Code: STCM  
CMC2 Coordinate Method ID Code: DGPS  
DC4 Datum ID Code: WGS84  
Verified Coordinate Method ID Code: DPHO  
Comments: Not reported  
Latitude/Longitude (deg/min/sec): 27 23 41.7644 / 80 20 15.7459

**DWM CONTAM:**

Program Site Id: 9602376  
Lat DD: 27  
Lat MM: 23  
Lat SS: 41.7644  
Long DD: 80  
Long MM: 20  
Long SS: 15.7459  
Office/ District: PCLP5  
Program Area: Petroleum  
Offsite Contamination: U  
Project Manager: KOLODNY\_D  
Priority Score: 29  
Remediation Status: ACTIVE  
Date Known Offsite: Not reported  
Datum: WGS84  
Method: DGPS  
Program Eligible: Yes  
Ineligible: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

26  
SSE  
1/4-1/2  
0.268 mi.  
1414 ft.

**SUNLIGHT CITRUS PACKING INC**  
**1008 BELL AVE**  
**FORT PIERCE, FL 34982**

**LUST** U001056737  
**UST** N/A  
**AST**  
**Financial Assurance**

**Relative:**  
**Higher**  
**Actual:**  
**18 ft.**

LUST:  
Region: STATE  
Facility Id: 8732828  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail  
Facility Phone: (407)461-5166  
Facility Cleanup Rank: 3014  
District: Southeast District  
Lat/Long (dms): 27 23 47.2451 / 80 20 7.3813  
Section: 028  
Township: 35S  
Range: 40E  
Feature: Not reported  
Method: UNVR  
Datum: 0  
Score: 40  
Score Effective Date: 03/12/2012  
Score When Ranked: 51  
Operator: JIM SOLESBEE  
Name Update: 05/27/2005  
Address Update: Not reported

Discharge Cleanup Summary:  
Discharge Date: 06/03/1992  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05/29/2013  
Cleanup Work Status: COMPLETED  
Information Source: I - PLIRP (INSURANCE)  
Other Source Description: Not reported  
Eligibility Indicator: E - ELIGIBLE  
Site Manager: MILLER\_BR  
Site Mgr End Date: 06/10/2013  
Tank Office: PCTM6 - PETROLEUM CLEANUP TEAM 6  
Discharge Date: 12/16/1986  
PCT Discharge Combined: Not reported  
Cleanup Required: N - NO CLEANUP REQUIRED  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
Disch Cleanup Status Date: 05/29/2001  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Eligibility Indicator: I - INELIGIBLE  
Site Manager: SHERIDAN\_E  
Site Mgr End Date: 01/09/1998  
Tank Office: PCTM3 - PETROLEUM CLEANUP TEAM 3 - LP MGMT

Petroleum Cleanup Program Eligibility:  
Facility ID: 8732828  
Discharge Date: 03-JUN-92  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUNLIGHT CITRUS PACKING INC (Continued)**

**U001056737**

Disch Cleanup Status Date: 05/29/2013  
Cleanup Work Status: COMPLETED  
Information Source: I - PLIRP (INSURANCE)  
Other Source Description: Not reported  
Application Received Date: 03-JUN-92  
Cleanup Program: P - PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM  
Eligibility Status: 21-JUL-92  
Elig Status Date: 21-JUL-92  
Letter Of Intent Date: 07/14/1992  
Redetermined: No  
Inspection Date: 06/04/1992  
Site Manager: MILLER\_BR  
Site Mgr End Date: 06/10/2013  
Tank Office: PCTM6 - PETROLEUM CLEANUP TEAM 6  
Deductible Amount: 500  
Deductible Paid To Date: 500  
Co-Pay Amount: 0  
Co-Pay Paid To Date: 0  
Cap Amount: 1200000

Contaminated Media:

Discharge Date: 06/03/1992  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05/29/2013  
Cleanup Work Status: COMPLETED  
Information Source: I - PLIRP (INSURANCE)  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: MILLER\_BR  
Site Mgr End Date: 06/10/2013  
Tank Office: PCTM6 - PETROLEUM CLEANUP TEAM

Contaminated Drinking Wells: Not reported  
Contaminated Monitoring Well: Not reported  
Contaminated Soil: Not reported  
Contaminated Surface Water: Not reported  
Contaminated Ground Water: Not reported  
Pollutant: B - Unleaded Gas  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported  
Discharge Date: 12/16/1986  
Pct Discharge Combined With: Not reported  
Cleanup Required: N - NO CLEANUP REQUIRED  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
Disch Cleanup Status Date: 05/29/2001  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Elig Indicator: I - INELIGIBLE  
Site Manager: SHERIDAN\_E  
Site Mgr End Date: 01/09/1998  
Tank Office: PCTM3 - PETROLEUM CLEANUP TEAM

Contaminated Drinking Wells: 2  
Contaminated Monitoring Well: No  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUNLIGHT CITRUS PACKING INC (Continued)**

**U001056737**

Pollutant: B - Unleaded Gas  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

Task Information:  
District: SED  
Facility ID: 8732828  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 05-29-2013  
Discharge Date: 06-03-1992  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05-29-2013  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 04-15-2013  
SRC Review Date: 05-23-2013  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 05-29-2013  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: MILLER\_BR  
Site Mgr End Date: 06-10-2013  
Tank Office: PCTM6 - Team 6  
SR Task ID: 90998  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 07-29-1992  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 779  
SR Soil Treatment: Not reported  
SR Other Treatment: 4/2/93 200 GALS FP  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 65825  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: 63870  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 64690

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUNLIGHT CITRUS PACKING INC (Continued)**

**U001056737**

RA Cleanup Responsible: ST - STATE  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported  
District: SED  
Facility ID: 8732828  
Facility Status: CLOSED  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: I  
Source Effective Date: Not reported  
Discharge Date: 12-16-1986  
Cleanup Required: N - NO CLEANUP REQUIRED  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
Disch Cleanup Status Date: 05-29-2001  
SRC Action Type: -  
SRC Submit Date: Not reported  
SRC Review Date: Not reported  
SRC Completion Status: -  
SRC Issue Date: Not reported  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: SHERIDAN\_E  
Site Mgr End Date: 01-09-1998  
Tank Office: PCTM3 - Team 3  
SR Task ID: 40591  
SR Cleanup Responsible: ST - STATE  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40592  
SA Cleanup Responsible: ST - STATE  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: 09-06-1996  
SA Payment Date: Not reported  
RAP Task ID: 40593  
RAP Cleanup Responsible ID: ST - STATE  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: 03-12-2001  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUNLIGHT CITRUS PACKING INC (Continued)**

**U001056737**

RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: Not reported  
RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

UST:

Facility Id: 8732828  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 461-5166  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 23 50 / 80 19 39

Owner:

Owner Id: 21201  
Owner Name: SUNLIGHT CITRUS PACKING, INC.  
Owner Address: 1008 BELL AVE  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Owner Contact: JIM SOLESBEE  
Owner Phone: (407) 461-5166

Tank Info:

Tank Id: 1  
Status: Removed  
Status Date: 30-JUN-1992  
Install Date: 01-JUN-1980  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 10000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

[Click here for Florida Oculus:](#)

AST:

Facility ID: 8732828  
Facility Status: CLOSED  
Type Description: Fuel user/Non-retail  
Facility Phone: (407) 461-5166  
DEP Contractor Own: P  
Region: STATE  
Positioning Method: UNVR  
Lat/Long (dms): 27 23 50 / 80 19 39

Owner:

Owner Id: 21201  
Owner Name: SUNLIGHT CITRUS PACKING, INC.  
Owner Address: 1008 BELL AVE  
Owner Address 2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUNLIGHT CITRUS PACKING INC (Continued)**

**U001056737**

Owner Contact: JIM SOLESBEE  
Owner Phone: (407) 461-5166

Tank Id: 2  
Status: Removed  
Status Date: 30-JUN-1992  
Install Date: 01-JUN-1974  
Substance: Diesel-generator,pump  
Content Description: Generator/Pump Diesel  
Gallons: 10000  
Tank Location: ABOVEGROUND

Click here for Florida Oculus:

FL Financial Assurance 3:

Region: 3  
Facility ID: 8732828  
Facility Phone: (407) 461-5166  
Facility Status: CLOSED  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 28-FEB-1991  
Expire Date: 16-OCT-1992  
Owner ID: 21201  
Owner Name: SUNLIGHT CITRUS PACKING, INC.  
Owner Address: 1008 BELL AVE  
Owner Address2: Not reported  
Owner City,St,Zip: FORT PIERCE, FL 34982  
Contact: JIM SOLESBEE  
Resp Party Phone: (407) 461-5166

27  
NNE  
1/4-1/2  
0.350 mi.  
1848 ft.

**UNITED PARCEL SERVICE  
3203 OLEANDER AVE  
FORT PIERCE, FL 34982**

**LUST U001372978  
UST N/A  
AST  
DWM CONTAM  
Financial Assurance  
TIER 2  
NPDES**

Relative:  
Higher  
Actual:  
15 ft.

LUST:  
Region: STATE  
Facility Id: 8628486  
Facility Status: OPEN  
Facility Type: C - Fuel user/Non-retail  
Facility Phone: (305)599-6422  
Facility Cleanup Rank: 3987  
District: Southeast District  
Lat/Long (dms): 27 24 20.34 / 80 20 6.52  
Section: 028  
Township: 035  
Range: 040  
Feature: Not reported  
Method: DGPS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Datum: 0  
Score: 45  
Score Effective Date: 12/08/2011  
Score When Ranked: 41  
Operator: UNITED PARCEL SERVICE  
Name Update: Not reported  
Address Update: Not reported

Discharge Cleanup Summary:  
Discharge Date: 01/19/1990  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 12/21/2017  
Cleanup Work Status: COMPLETED  
Information Source: I - PLIRP (INSURANCE)  
Other Source Description: Not reported  
Eligibility Indicator: E - ELIGIBLE  
Site Manager: SWANSON\_T  
Site Mgr End Date: 12/20/2017  
Tank Office: PCLP5 - BREVARD COUNTY NATURAL RESOURCES MGMT OFFICE

Petroleum Cleanup Program Eligibility:  
Facility ID: 8628486  
Discharge Date: 19-JAN-90  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 12/21/2017  
Cleanup Work Status: COMPLETED  
Information Source: I - PLIRP (INSURANCE)  
Other Source Description: Not reported  
Application Received Date: 22-JAN-90  
Cleanup Program: P - PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM  
Eligibility Status: 27-MAR-90  
Elig Status Date: 27-MAR-90  
Letter Of Intent Date: 07/17/1995  
Redetermined: No  
Inspection Date: 01/31/1990  
Site Manager: SWANSON\_T  
Site Mgr End Date: 12/20/2017  
Tank Office: PCLP5 - BREVARD COUNTY NATURAL RESOURCES MGMT OFFICE  
Deductible Amount: 500  
Deductible Paid To Date: 500  
Co-Pay Amount: 0  
Co-Pay Paid To Date: 0  
Cap Amount: 1200000

Contaminated Media:  
Discharge Date: 01/19/1990  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 12/21/2017  
Cleanup Work Status: COMPLETED  
Information Source: I - PLIRP (INSURANCE)  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: SWANSON\_T

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Site Mgr End Date: 12/20/2017  
Tank Office: PCLP5 - BREVARD COUNTY NATURAL  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: Yes  
Contaminated Soil: No  
Contaminated Surface Water: No  
Contaminated Ground Water: No  
Pollutant: B - Unleaded Gas  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

**Task Information:**

District: SED  
Facility ID: 8628486  
Facility Status: OPEN  
Facility Type: C - Fuel user/Non-retail -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 12-08-2017  
Discharge Date: 01-19-1990  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 12-21-2017  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 03-30-2017  
SRC Review Date: 04-13-2017  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 12-21-2017  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: SWANSON\_T  
Site Mgr End Date: 12-20-2017  
Tank Office: PCLP5 - Brevard County  
SR Task ID: 40667  
SR Cleanup Responsible: RP - RESPONSIBLE PARTY  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 08-01-1992  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 176  
SR Soil Treatment: Not reported  
SR Other Treatment: 2/9/95 750.11 TONS  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40668  
SA Cleanup Responsible: RP - RESPONSIBLE PARTY  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: 02-05-1992  
SA Payment Date: Not reported  
RAP Task ID: 40669

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

RAP Cleanup Responsible ID: RP - RESPONSIBLE PARTY  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: 04-30-2012  
RAP Payment Date: Not reported  
RAP Last Order Approved: 1993-03-06 00:00:00  
RA Task ID: 40670  
RA Cleanup Responsible: RP - RESPONSIBLE PARTY  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported

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**UST:**

Facility Id: 8628486  
Facility Status: OPEN  
Type Description: Fuel user/Non-retail  
Facility Phone: (305) 599-6422  
Region: STATE  
Positioning Method: DGPS  
Lat/Long (dms): 27 24 20.34 / 80 20 6.51999999

**Owner:**

Owner Id: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address 2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Owner Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Owner Phone: (786) 413-3279

**Tank Info:**

Tank Id: 1  
Status: Removed  
Status Date: 31-AUG-1992  
Install Date: 01-AUG-1982  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 10000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed  
Status Date: 31-AUG-1992  
Install Date: 01-JUL-1982  
Substance: Waste oil  
Content Description: Waste Oil  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

[Click here for Florida Oculus:](#)

**AST:**

Facility ID: 8628486  
Facility Status: OPEN  
Type Description: Fuel user/Non-retail  
Facility Phone: (305) 599-6422  
DEP Contractor Own: P  
Region: STATE  
Positioning Method: DGPS  
Lat/Long (dms): 27 24 20.34 / 80 20 6.5199999

**Owner:**

Owner Id: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address 2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Owner Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Owner Phone: (786) 413-3279

Tank Id: 3  
Status: In service  
Status Date: Not reported  
Install Date: 01-AUG-1992  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 10000  
Tank Location: ABOVEGROUND

**Construction:**

Tank Id: 3  
Construction Category: Primary Construction  
Construction Description: Steel

Tank Id: 3  
Construction Category: Secondary Containment  
Construction Description: AST containment

Tank Id: 3  
Construction Category: Overfill/Spill  
Construction Description: Spill containment bucket

Tank Id: 3  
Construction Category: Overfill/Spill  
Construction Description: Flow shut-Off

**Monitoring:**

Tank ID: 3  
Monitoring Description: Visual inspection of ASTs

**Piping:**

Tank ID: 3  
Piping Category: Primary Construction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Piping Description: Steel/galvanized metal  
  
Tank ID: 3  
Piping Category: Miscellaneous Attributes  
Piping Description: Abv, no soil contact

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**DWM CONTAM:**

Program Site Id: 8628486  
Lat DD: 27  
Lat MM: 24  
Lat SS: 20.34  
Long DD: 80  
Long MM: 20  
Long SS: 6.52  
Office/ District: PCLP5  
Program Area: Petroleum  
Offsite Contamination: U  
Project Manager: SWANSON\_T  
Priority Score: 45  
Remediation Status: ACTIVE  
Date Known Offsite: Not reported  
Datum: NAD83  
Method: DPHO  
Program Eligible: Yes  
Ineligible: Not reported

**FL Financial Assurance 3:**

Region: 3  
Facility ID: 8628486  
Facility Phone: (305) 599-6422  
Facility Status: OPEN  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC  
Insurance Company: Not reported  
Effective Date: 25-MAR-2011  
Expire Date: 25-MAR-2012  
Owner ID: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Resp Party Phone: (786) 413-3279

Region: 3  
Facility ID: 8628486  
Facility Phone: (305) 599-6422  
Facility Status: OPEN  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 25-MAR-2014  
Expire Date: 25-MAR-2015  
Owner ID: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Resp Party Phone: (786) 413-3279

Region: 3  
Facility ID: 8628486  
Facility Phone: (305) 599-6422  
Facility Status: OPEN  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC  
Insurance Company: Not reported  
Effective Date: 25-MAR-2016  
Expire Date: 25-MAR-2017  
Owner ID: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Resp Party Phone: (786) 413-3279

Region: 3  
Facility ID: 8628486  
Facility Phone: (305) 599-6422  
Facility Status: OPEN  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC  
Insurance Company: Not reported  
Effective Date: 26-MAR-2013  
Expire Date: 26-MAR-2014  
Owner ID: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Resp Party Phone: (786) 413-3279

Region: 3  
Facility ID: 8628486  
Facility Phone: (305) 599-6422  
Facility Status: OPEN  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Financial Responsibility: SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC  
Insurance Company: Not reported  
Effective Date: 06-APR-2009  
Expire Date: 06-APR-2010  
Owner ID: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Resp Party Phone: (786) 413-3279

Region: 3  
Facility ID: 8628486  
Facility Phone: (305) 599-6422  
Facility Status: OPEN  
Facility Type: C  
Type Description: Fuel user/Non-retail  
DEP CO: P  
Financial Responsibility: SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC  
Insurance Company: Not reported  
Effective Date: 05-APR-2010  
Expire Date: 05-APR-2011  
Owner ID: 22625  
Owner Name: UNITED PARCEL SERVICE  
Owner Address: 6001 E 8TH AVE  
Owner Address2: ATTN: MARK WELSH  
Owner City,St,Zip: HIALEAH, FL 33013  
Contact: MARK WELSH/ 954.243.5110 | ALLEN LIMBURG  
Resp Party Phone: (786) 413-3279

**TIER 2:**

Year: 2017  
Facility Id: 6094248  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: Not reported  
Longitude: Not reported  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported  
NAICS Code: 492110  
Last Modified Date: 02/21/2018  
First Submit Date: 02/13/2018  
Data Submitted By: Kimberly Wyant  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

Contact:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Contact ID: Not reported  
Year: 2017  
Facility Id: 6094248  
Contact Type: Emergency Contact  
Contact Name: JOE HAHN  
Contact Title: Not reported  
Contact Phone: 904-463-1293  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 904-693-8331  
Contact Telephone 3: 904-654-7544  
Contact Telephone 4: 904-693-8331  
Contact Telephone 5: 561-315-6462  
Contact Telephone 6: 772-287-5043  
Contact Email: JHAHN@ups.com

Year: 2016  
Facility Id: 5813651  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: Not reported  
Longitude: Not reported  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported  
NAICS Code: 492110  
Last Modified Date: 01/31/2017  
First Submit Date: 01/31/2017  
Data Submitted By: Kimberly Wyant  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

Contact:  
Contact ID: Not reported  
Year: 2016  
Facility Id: 5813651  
Contact Type: Emergency Contact  
Contact Name: Oshwatah Fleming  
Contact Title: Not reported  
Contact Phone: 786-566-2438  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 561-840-7085  
Contact Telephone 3: 904-654-7544  
Contact Telephone 4: 904-693-8331  
Contact Telephone 5: (904) 626-4189  
Contact Telephone 6: (904) 693-8264  
Contact Email: ofleming@ups.com

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Year: 2015  
Facility Id: 5414632  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.40565  
Longitude: -80.335144  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported  
NAICS Code: 492110  
Last Modified Date: 02/26/2016  
First Submit Date: 02/26/2016  
Data Submitted By: David Ruiz  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

**Contact:**

Contact ID: Not reported  
Year: 2015  
Facility Id: 5414632  
Contact Type: Emergency Contact  
Contact Name: JOE HAHN  
Contact Title: Not reported  
Contact Phone: 904-463-1293  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 904-693-8331  
Contact Telephone 3: 813-597-6809  
Contact Telephone 4: 727-571-8068  
Contact Telephone 5: (904) 626-4189  
Contact Telephone 6: (904) 693-8264  
Contact Email: JHAHN@ups.com

Year: 2014  
Facility Id: 5002890  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.40565  
Longitude: -80.335144  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

NAICS Code: 492110  
Last Modified Date: 02/23/2015  
First Submit Date: 02/23/2015  
Data Submitted By: David Ruiz  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2014  
Facility Id: 5002890  
Contact Type: Emergency Contact  
Contact Name: Elijah Whitfield  
Contact Title: Not reported  
Contact Phone: 786-383-1946  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 786-413-3279  
Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: exwhitfield@ups.com

Year: 2013  
Facility Id: 4555170  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.40565  
Longitude: -80.335144  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported  
NAICS Code: 492110  
Last Modified Date: 02/26/2014  
First Submit Date: 02/26/2014  
Data Submitted By: David Ruiz  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2013  
Facility Id: 4555170  
Contact Type: Emergency Contact  
Contact Name: Elijah Whitfield  
Contact Title: Not reported  
Contact Phone: 786-413-3279  
Contact 24Hr Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Contact Telephone 2: 786-383-1946  
Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: exwhitfield@ups.com

Year: 2012  
Facility Id: 4041416  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.40565  
Longitude: -80.335144  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported  
NAICS Code: 492110  
Last Modified Date: 04/02/2013  
First Submit Date: 02/28/2013  
Data Submitted By: David Ruiz  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

**Contact:**

Contact ID: Not reported  
Year: 2012  
Facility Id: 4041416  
Contact Type: Emergency Contact  
Contact Name: Elijah Whitfield  
Contact Title: Not reported  
Contact Phone: 305-528-0976  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 786-413-3279  
Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: exwhitfield@ups.com

Contact ID: Not reported  
Year: 2012  
Facility Id: 4041416  
Contact Type: Owner / Operator  
Contact Name: Ken Sheppard  
Contact Title: Not reported  
Contact Phone: 561-315-6462  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 772-287-5043

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: ksheppard@ups.com

Year: 2011  
Facility Id: 3988693  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.40565  
Longitude: -80.335144  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: Not reported  
SIC Code 2: Not reported  
NAICS Code: Not reported  
Last Modified Date: 11/12/2012  
First Submit Date: 11/09/2012  
Data Submitted By: Florida Division of Emergency Management  
Company Name: UNITED PARCEL SERVICE  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2011  
Facility Id: 3988693  
Contact Type: Tier II Secondary 24 Hour Contact  
Contact Name: ALLEN LIMBURG  
Contact Title: Not reported  
Contact Phone: 9545991689  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: Not reported  
Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: NPL1NAW@UPS.COM

Contact ID: Not reported  
Year: 2011  
Facility Id: 3988693  
Contact Type: Tier II Emergency Contact  
Contact Name: Elijah Whitfield  
Contact Title: Not reported  
Contact Phone: 786-413-3279  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: Not reported  
Contact Telephone 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	exwhitfield@ups.com
Contact ID:	Not reported
Year:	2011
Facility Id:	3988693
Contact Type:	Tier II Secondary Contact
Contact Name:	ALLEN LIMBURG
Contact Title:	Not reported
Contact Phone:	7864133383
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	NPL1NAW@UPS.COM
Contact ID:	Not reported
Year:	2011
Facility Id:	3988693
Contact Type:	Tier II Emergency 24 Hour Contact
Contact Name:	Elijah Whitfield
Contact Title:	Not reported
Contact Phone:	305-528-0976
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	exwhitfield@ups.com
Year:	2010
Facility Id:	Not reported
Active Date:	Not reported
Inactive Date:	Not reported
Sale Pending:	Not reported
Original Date:	Not reported
PLOT Source:	Not reported
Latitude:	27.40565
Longitude:	-80.34
LEPC District:	Not reported
Counties:	Not reported
SERC:	Not reported
Program Level:	Not reported
PRIME:	Not reported
SIC Code:	Not reported
SIC Code 2:	Not reported
NAICS Code:	Not reported
Last Modified Date:	Not reported
First Submit Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Data Submitted By: Not reported  
Company Name: Not reported  
Comments: Not reported

Chemical Code: 8006619  
Chemical Name: GASOLINE  
Chemical State: LIQUID  
Location Name: SOUTHWEST  
Container Code: A  
Pressure Code: 1  
Temperature Code: 4  
Average Quantity: 4  
Maximum Quantity: 57600  
Days On Site: 365

Year: Not reported  
Facility Id: Not reported  
Active Date: 01/01/1991  
Inactive Date: Not reported  
Sale Pending: False  
Original Date: Not reported  
PLOT Source: Google Maps  
Latitude: 27.405650  
Longitude: -80.335144  
LEPC District: 10  
Counties: St. Lucie, Palm Beach, Martin, Indian River,  
SERC: 18009  
Program Level: 0  
PRIME: 10373  
SIC Code: 4215  
SIC Code 2: Not reported  
NAICS Code: 49221

**Other Chemical Data:**

Report Year: 2001  
Tier 2 Report ID: 76238  
Chemical ID: 93945  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 293544  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Containter: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Report Year: 1993  
Tier 2 Report ID: 6972  
Chemical ID: 71911  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 162174  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 1994  
Tier 2 Report ID: 15322  
Chemical ID: 71910  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 176398  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 1995  
Tier 2 Report ID: 23736  
Chemical ID: 71909  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 191738

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 1996  
Tier 2 Report ID: 32295  
Chemical ID: 71908  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 207019  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 1997  
Tier 2 Report ID: 40868  
Chemical ID: 71907  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 222712  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 1998  
Tier 2 Report ID: 49504  
Chemical ID: 71906  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 239256  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 1999  
Tier 2 Report ID: 58346  
Chemical ID: 71905  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 256587  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Container: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 2000  
Tier 2 Report ID: 67470  
Chemical ID: 71904

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 275138  
Chemical State: LIQUID  
Mixture: False  
Mixture Percent: 100.00  
Containter: CONV  
Pressure: CONV  
Temperature: CONV  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: Not reported

Report Year: 2008  
Tier 2 Report ID: 106387  
Chemical ID: 307957  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 2/19/2009  
Average Amount: 4  
Maximum Amount: 57600  
Location ID: 504720  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00  
Containter: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 57600  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: SOUTHWEST END OF PROPERTY

Report Year: 2007  
Tier 2 Report ID: 102833  
Chemical ID: 289167  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 3/20/2008  
Average Amount: 4  
Maximum Amount: 57600  
Location ID: 479267  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Containter: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 57600  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: TANK AT SOUTHWEST END OF PROPERTY

Report Year: 2006  
Tier 2 Report ID: 96899  
Chemical ID: 275267  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 9/25/2007  
Average Amount: 4  
Maximum Amount: 57600  
Location ID: 461565  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00  
Containter: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 57600  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: ABOVE GROUND TANK AT SOUTHWEST END OF PROPERTY

Report Year: 2005  
Tier 2 Report ID: 92022  
Chemical ID: 248760  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 12/8/2006  
Average Amount: 4  
Maximum Amount: 57600  
Location ID: 427540  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00  
Containter: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 57600  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Location: ABOVE GROUND TANK AT S.W. END OF PROPERTY

Report Year: 2004  
Tier 2 Report ID: 88366  
Chemical ID: 219261  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 8/29/2005  
Average Amount: 4  
Maximum Amount: 57600  
Location ID: 388948  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00  
Container: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 57600  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: ABOVE GROUND TANK AT SOUTHWEST END OF PROPERTY

Report Year: 2003  
Tier 2 Report ID: 84496  
Chemical ID: 185249  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972  
Average Amount: 4  
Maximum Amount: 62000  
Location ID: 344143  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00  
Container: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: SOUTHWEST END OF PROPERTY

Report Year: 2002  
Tier 2 Report ID: 80942  
Chemical ID: 168847  
CAS Number: 8006619  
Chemical Name: GASOLINE  
Chemical Date: 1/2/1972

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Average Amount: 4  
Maximum Amount: 62000  
Location ID: 325148  
Chemical State: Liquid  
Mixture: True  
Mixture Percent: .00  
Containter: A - ABOVE GROUND TANK  
Pressure: 1 - AMBIENT PRESSURE  
Temperature: 4 - AMBIENT TEMPERATURE  
Average Amount: 4  
Maximum Amount: 62000  
Days on Site: 365  
Site Plan: False  
Site Plan Document: Not reported  
Private Location: False  
Location: ABOVE GROUND TANK AT SOUTHWEST END OF PROPERTY.

Company Info:

Company Name: UNITED PARCEL SERVICE  
Company Address: 5335 TRIANGLE PARKWAY, SUITE 500  
Company City,St,Zip: NORCROSS, GA 30092  
Company Phone: 404-828-3941  
Company Fax: Not reported  
Company Email: Not reported  
FEI Number: 362407381  
Comany Contact Name: TOM BRZENK  
Cmpny Contact Phone: 404-828-3941  
Reduced Fees: True  
Exempt Fees: False  
Electronic Filing: False  
Employee: Not reported  
Comments: 3-1-07: AR PKG RETURNED, LEFT MESSAGE FOR TOM. MAILED AR PKG TO NEW ADDRESS ON 3/5/07. DC. 3/20/08: ADDRESS CHANGED AGAIN.

WASTEWATER:

Facility ID: FLR05G224  
Facility Type: Multi-Sector Stormwater GP  
Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.  
District Office: TLST  
NPDES Permitted Site: Not reported  
Environmental Interest: Not reported  
Owner Type: Private  
Permit Capacity: Not reported  
Party Name: Rick Garcia, Shop Foreman  
Company Name: United Parcel Service Inc  
RP Address: 4420 Imeson Rd  
RP Address 2: Not reported  
RP City,Stat,Zip: Jacksonville FL 32219  
Telephone: 2134401124  
Email: rickgarcia@ups.com

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**U001372978**

Issue Date: 06/18/2016  
Effective Date: 06/18/2016  
Expiration Date: 06/17/2021  
DOC Description: Generic Permit  
Latitude Degrees: 27  
Latitude Minutes: 24  
Latitude Seconds: 21  
Longitude Degrees: 80  
Longitude Minutes: 20  
Longitude Seconds: 3  
Treatment: Not reported  
Decode For Fstatus: Active

**28**  
**South**  
**1/4-1/2**  
**0.369 mi.**  
**1948 ft.**  
  
**Relative:**  
**Lower**  
  
**Actual:**  
**13 ft.**

**FL DEPT OF TRANSPORTATION - OPER CTR**  
**3601 OLEANDER AVE**  
**FORT PIERCE, FL 34982**

**LUST** **U001372990**  
**UST** **N/A**  
**AST**  
**SPILLS**  
**CLEANUP SITES**  
**Financial Assurance**  
**RESP PARTY**  
**SITE INV SITES**  
**TIER 2**

**LUST:**

Region: STATE  
Facility Id: 8628736  
Facility Status: OPEN  
Facility Type: G - State Government  
Facility Phone: (772)489-7070  
Facility Cleanup Rank: 6627  
District: Southeast District  
Lat/Long (dms): 27 23 44.855 / 80 20 7.505  
Section: 033  
Township: 35S  
Range: 40E  
Feature: Not reported  
Method: AGPS  
Datum: 0  
Score: 41  
Score Effective Date: 12/20/2006  
Score When Ranked: 26  
Operator: OPERATIONS ENGINEER  
Name Update: 03/18/2013  
Address Update: 02/20/1996

**Discharge Cleanup Summary:**

Discharge Date: 10/13/1989  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05/28/2008  
Cleanup Work Status: COMPLETED  
Information Source: Z - OTHER  
Other Source Description: CAR  
Eligibility Indicator: E - ELIGIBLE  
Site Manager: WRIGHT\_J  
Site Mgr End Date: 11/05/2009  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Discharge Date: 12/30/1993  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 10/26/1995  
Cleanup Work Status: COMPLETED  
Information Source: C - CLOSURE REPORT  
Other Source Description: Not reported  
Eligibility Indicator: I - INELIGIBLE  
Site Manager: WRIGHT\_J  
Site Mgr End Date: 01/10/1998  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM 1

Petroleum Cleanup Program Eligibility:  
Facility ID: 8628736  
Discharge Date: 13-OCT-89  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05/28/2008  
Cleanup Work Status: COMPLETED  
Information Source: Z - OTHER  
Other Source Description: CAR  
Application Received Date: 13-OCT-89  
Cleanup Program: C - PETROLEUM CLEANUP PARTICIPATION PROGRAM  
Eligibility Status: 23-JAN-07  
Elig Status Date: 23-JAN-07  
Letter Of Intent Date: Not reported  
Redetermined: No  
Inspection Date: Not reported  
Site Manager: WRIGHT\_J  
Site Mgr End Date: 11/05/2009  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM 1  
Deductible Amount: Not reported  
Deductible Paid To Date: 0  
Co-Pay Amount: 25  
Co-Pay Paid To Date: 0  
Cap Amount: 300000

Contaminated Media:  
Discharge Date: 10/13/1989  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05/28/2008  
Cleanup Work Status: COMPLETED  
Information Source: Z - OTHER  
Other Source Description: CAR  
Elig Indicator: E - ELIGIBLE  
Site Manager: WRIGHT\_J  
Site Mgr End Date: 11/05/2009  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM 1  
Contaminated Drinking Wells: 0  
Contaminated Monitoring Well: No  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: No  
Pollutant: P - Generic Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Pollutant Other Description: Not reported  
Gallons Discharged: Not reported  
Discharge Date: 12/30/1993  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 10/26/1995  
Cleanup Work Status: COMPLETED  
Information Source: C - CLOSURE REPORT  
Other Source Description: Not reported  
Elig Indicator: I - INELIGIBLE  
Site Manager: WRIGHT\_J  
Site Mgr End Date: 01/10/1998  
Tank Office: PCTM1 - PETROLEUM CLEANUP TEAM  
Contaminated Drinking Wells: Not reported  
Contaminated Monitoring Well: Not reported  
Contaminated Soil: Not reported  
Contaminated Surface Water: Not reported  
Contaminated Ground Water: Not reported  
Pollutant: L - Waste Oil  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

**Task Information:**

District: SED  
Facility ID: 8628736  
Facility Status: OPEN  
Facility Type: G - State Government -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: E  
Source Effective Date: 05-16-2008  
Discharge Date: 10-13-1989  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: SRCR - SRCR COMPLETE  
Disch Cleanup Status Date: 05-28-2008  
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT  
SRC Submit Date: 03-31-2008  
SRC Review Date: 05-16-2008  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 05-28-2008  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: WRIGHT\_J  
Site Mgr End Date: 11-05-2009  
Tank Office: PCTM1 - Team 1  
SR Task ID: 40501  
SR Cleanup Responsible: RP - RESPONSIBLE PARTY  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: 01-28-1990  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: 04-19-1990  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: 147  
SR Soil Treatment: Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

SR Other Treatment: LANDFARM  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40502  
SA Cleanup Responsible: RP - RESPONSIBLE PARTY  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: 01-09-1992  
SA Payment Date: Not reported  
RAP Task ID: 40503  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: 02-25-1994  
RAP Payment Date: Not reported  
RAP Last Order Approved: 1994-02-25 00:00:00  
RA Task ID: 82860  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported  
District: SED  
Facility ID: 8628736  
Facility Status: OPEN  
Facility Type: G - State Government -  
County: ST. LUCIE  
County ID: 56  
Cleanup Eligibility Status: I  
Source Effective Date: 10-26-1995  
Discharge Date: 12-30-1993  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 10-26-1995  
SRC Action Type: NFA - NO FURTHER ACTION  
SRC Submit Date: 08-03-1995  
SRC Review Date: 09-26-1995  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 10-26-1995  
SRC Comment: USED OIL TANK AREA  
Cleanup Work Status: COMPLETED  
Site Mgr: WRIGHT\_J  
Site Mgr End Date: 01-10-1998  
Tank Office: PCTM1 - Team 1  
SR Task ID: 85949  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Y  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

SR Other Treatment: 5 55-GALLON DRUMS  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 40499  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: 10-26-1995  
SA Payment Date: Not reported  
RAP Task ID: Not reported  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 40500  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: Not reported  
RA Actual Cost: Not reported

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**UST:**

Facility Id: 8628736  
Facility Status: OPEN  
Type Description: State Government  
Facility Phone: (772) 489-7070  
Region: STATE  
Positioning Method: AGPS  
Lat/Long (dms): 27 28 44 / 80 20 2

**Owner:**

Owner Id: 24716  
Owner Name: FL DEPT OF TRANSPORTATION DIST IV  
Owner Address: 3400 W COMMERCIAL BLVD  
Owner Address 2: ATTN: DIST FLEET MGR  
Owner City,St,Zip: FORT LAUDERDALE, FL 33309  
Owner Contact: RICHARD PLAISIR  
Owner Phone: (954) 777-4216

**Tank Info:**

Tank Id: 1  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 12

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

Status: Removed  
Status Date: 01-DEC-1995  
Install Date: Not reported  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 250  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 13  
Status: In service  
Status Date: 01-MAR-1996  
Install Date: 01-MAR-1996  
Substance: Waste oil  
Content Description: Waste Oil  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Construction:  
Tank Id: 13  
Construction Category: Primary Construction  
Construction Description: Fiberglass

Tank Id: 13  
Construction Category: Secondary Containment  
Construction Description: Double wall

Monitoring:  
Tank ID: 13  
Monitoring Description: Monitor dbl wall tank space

Piping:  
Tank ID: 13  
Piping Category: Secondary Containment  
Piping Description: Double wall

Tank ID: 13  
Piping Category: Primary Construction  
Piping Description: Fiberglass

Tank Id: 14  
Status: Deleted  
Status Date: 01-MAR-1996  
Install Date: 01-MAR-1996  
Substance: Waste oil  
Content Description: Waste Oil  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 2  
Status: Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 3  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 4000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 4  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 3000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 5  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Gallons: 4000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 6  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 4000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 7  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 8  
Status: Removed  
Status Date: 31-JAN-1990  
Install Date: 01-SEP-1947  
Substance: Leaded gas  
Content Description: Leaded Gas  
Gallons: 1000  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

Tank Id: 9  
Status: Removed  
Status Date: 31-JAN-1992  
Install Date: 01-JUL-1970  
Substance: Waste oil  
Content Description: Waste Oil  
Gallons: 500  
Vessel Indicator: TANK  
Tank Location: UNDERGROUND  
DEP Contractor: P

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AST:

Facility ID: 8628736  
Facility Status: OPEN  
Type Description: State Government  
Facility Phone: (772) 489-7070  
DEP Contractor Own: P  
Region: STATE  
Positioning Method: AGPS  
Lat/Long (dms): 27 28 44 / 80 20 2

Owner:

Owner Id: 24716  
Owner Name: FL DEPT OF TRANSPORTATION DIST IV  
Owner Address: 3400 W COMMERCIAL BLVD  
Owner Address 2: ATTN: DIST FLEET MGR  
Owner City,St,Zip: FORT LAUDERDALE, FL 33309  
Owner Contact: RICHARD PLAISIR  
Owner Phone: (954) 777-4216

Tank Id: 10  
Status: In service  
Status Date: 01-SEP-1995  
Install Date: 01-SEP-1995  
Substance: Unleaded gas

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Content Description: Unleaded Gas  
Gallons: 10000  
Tank Location: ABOVEGROUND

Construction:

Tank Id: 10  
Construction Category: Overfill/Spill  
Construction Description: Tight fill

Tank Id: 10  
Construction Category: Overfill/Spill  
Construction Description: Level gauges/alarms

Tank Id: 10  
Construction Category: Secondary Containment  
Construction Description: Double wall

Tank Id: 10  
Construction Category: Overfill/Spill  
Construction Description: Flow shut-Off

Tank Id: 10  
Construction Category: Primary Construction  
Construction Description: Steel

Tank Id: 10  
Construction Category: Overfill/Spill  
Construction Description: Spill containment bucket

Monitoring:

Tank ID: 10  
Monitoring Description: Monitor dbl wall tank space

Tank ID: 10  
Monitoring Description: Monitor dbl wall pipe space

Tank ID: 10  
Monitoring Description: Visual inspection of ASTs

Tank ID: 10  
Monitoring Description: Continuous electronic sensing

Tank ID: 10  
Monitoring Description: Electronic monitor pipe sumps

Tank ID: 10  
Monitoring Description: Electronic monitor dispenser liners

Piping:

Tank ID: 10  
Piping Category: Secondary Containment  
Piping Description: Double wall

Tank ID: 10  
Piping Category: Miscellaneous Attributes  
Piping Description: Pressurized piping system

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Tank ID: 10  
Piping Category: Miscellaneous Attributes  
Piping Description: Dispenser liners

Tank ID: 10  
Piping Category: Primary Construction  
Piping Description: Approved synthetic material

Tank Id: 11  
Status: In service  
Status Date: 01-SEP-1995  
Install Date: 01-SEP-1995  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Gallons: 10000  
Tank Location: ABOVEGROUND

**Construction:**

Tank Id: 11  
Construction Category: Overfill/Spill  
Construction Description: Tight fill

Tank Id: 11  
Construction Category: Overfill/Spill  
Construction Description: Level gauges/alarms

Tank Id: 11  
Construction Category: Secondary Containment  
Construction Description: Double wall

Tank Id: 11  
Construction Category: Overfill/Spill  
Construction Description: Flow shut-Off

Tank Id: 11  
Construction Category: Primary Construction  
Construction Description: Steel

Tank Id: 11  
Construction Category: Overfill/Spill  
Construction Description: Spill containment bucket

**Monitoring:**

Tank ID: 11  
Monitoring Description: Monitor dbl wall tank space

Tank ID: 11  
Monitoring Description: Monitor dbl wall pipe space

Tank ID: 11  
Monitoring Description: Visual inspection of ASTs

Tank ID: 11  
Monitoring Description: Continuous electronic sensing

Tank ID: 11

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Monitoring Description: Electronic monitor pipe sumps  
Tank ID: 11  
Monitoring Description: Electronic monitor dispenser liners

Piping:

Tank ID: 11  
Piping Category: Primary Construction  
Piping Description: Approved synthetic material

Tank ID: 11  
Piping Category: Miscellaneous Attributes  
Piping Description: Pressurized piping system

Tank ID: 11  
Piping Category: Secondary Containment  
Piping Description: Double wall

Tank ID: 11  
Piping Category: Miscellaneous Attributes  
Piping Description: Dispenser liners

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**SPILLS:**

OHMIT Incident Number: 39517  
Incident Legacy: Not reported  
On-Scene Response: Yes  
Criminal Indicator: No  
Hurricane Indicator: No  
Incident Date: 05/15/2008  
Incident Status: Closed  
Incident Report Date: 05/15/2008  
Pollutant: Hydraulic oil  
Pollutants Category: Petroleum  
Substance Spilled: Hydraulic oil  
Amount Spilled (Gallons): 50  
Pollutant - Unit Measure: gallon

Incident Party Name: BER - Tampa  
Description: Inland

Incident Party Name: FDOT  
Description: Inland

Incident Party Name: FDOT  
Description: Inland

Incident Party Name: WRS Infrastructure and Environmenta, Inc.  
Description: Inland

**CLEANUP SITES:**

DEP Cleanup Site Key: 54047059  
Source Database Name: Compliance and Enforcement Tracking - Responsible Party waste cleanup

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

under 62-780  
Source Database Id: Not reported  
CPAC Program Area Id: CU  
CLLC Cleanup Category Key: OTHCU  
RSC2 Remediation Status Key: ACTIVE  
Data Load Date: 05/29/2018  
OC3 Office Id: SED  
Physical Address Line 2: Not reported  
OIC Object Of Interest Id: CAP\_R  
PC2 Proximity Id: APPRX  
Calc Coordinates Accuracy Level Id: 4  
CMC2 Coordinate Method Id: Differentially Corrected GPS  
DC4 Datum Id: High Accuracy Reference Network  
VSC1 Verification Status: REVIEWED  
Collect Username: STONE\_H  
Collect Date: 04/29/2005  
Collect Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Map Source: 1999 doqs  
Map Source Scale: 4621  
Interpolation Scale: Not reported  
Verifier Username: STONE\_H  
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Verification Date: 04/29/2005  
Verified Coordinate Method Id: Digital Aerial Photography With Ground Control  
Source Database Name Code: COMET  
CMC2 Coordinate Method ID Code: DGPS  
DC4 Datum ID Code: HARN  
Verified Coordinate Method ID Code:DPHO  
Comments: Not reported  
Latitude/Longitude (deg/min/sec): 27 23 45.0189 / 80 20 7.5725

FL Financial Assurance 3:

Region: 3  
Facility ID: 8628736  
Facility Phone: (772) 489-7070  
Facility Status: OPEN  
Facility Type: G  
Type Description: State Government  
DEP CO: P  
Financial Responsibility: INSURANCE  
Insurance Company: AMERICAN SAFETY INDEMNITY CO  
Effective Date: 01-APR-2009  
Expire Date: 02-APR-2010  
Owner ID: 24716  
Owner Name: FL DEPT OF TRANSPORTATION DIST IV  
Owner Address: 3400 W COMMERCIAL BLVD  
Owner Address2: ATTN: DIST FLEET MGR  
Owner City,St,Zip: FORT LAUDERDALE, FL 33309  
Contact: RICHARD PLAISIR  
Resp Party Phone: (954) 777-4216

Region: 3  
Facility ID: 8628736  
Facility Phone: (772) 489-7070  
Facility Status: OPEN  
Facility Type: G  
Type Description: State Government

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

DEP CO: P  
Financial Responsibility: EXEMPT-STATE OR FEDERAL GOVERNMENT ENTITY  
Insurance Company: Not reported  
Effective Date: Not reported  
Expire Date: Not reported  
Owner ID: 24716  
Owner Name: FL DEPT OF TRANSPORTATION DIST IV  
Owner Address: 3400 W COMMERCIAL BLVD  
Owner Address2: ATTN: DIST FLEET MGR  
Owner City,St,Zip: FORT LAUDERDALE, FL 33309  
Contact: RICHARD PLAISIR  
Resp Party Phone: (954) 777-4216

Region: 3  
Facility ID: 8628736  
Facility Phone: (772) 489-7070  
Facility Status: OPEN  
Facility Type: G  
Type Description: State Government  
DEP CO: P

Financial Responsibility: INSURANCE  
Insurance Company: AMERICAN SAFETY INDEMNITY CO  
Effective Date: 02-APR-2010  
Expire Date: 02-APR-2011  
Owner ID: 24716  
Owner Name: FL DEPT OF TRANSPORTATION DIST IV  
Owner Address: 3400 W COMMERCIAL BLVD  
Owner Address2: ATTN: DIST FLEET MGR  
Owner City,St,Zip: FORT LAUDERDALE, FL 33309  
Contact: RICHARD PLAISIR  
Resp Party Phone: (954) 777-4216

**RESP PARTY:**

District: Southeast District  
Site Id: 41113  
Project Id: 200773  
Site Status: CLOSED  
Project Manager: BRYANT\_JC  
OGC Case Number: Not reported  
Initial Date Received: 11/07/1997  
Contaminants: Not reported  
Offsite Cont Impact: Not reported  
Priority Score: Not reported  
Datum: HARN  
Method ID: DGPS  
Feature: Not reported  
Object Of Interest: CAP\_RAP SITE  
Proximity To Object: APPRX  
Collect Username: STONE\_H  
Collect Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Collect Program Id: CL  
Collect Date: 04/29/2005  
Map Series Used: 1999 doqs  
Map Source Scale: 4621  
Interpolation Scale: Not reported  
Coordinate Accuracy Id: 4  
Verify Method Id: DPHO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

Verifier Username: STONE\_H  
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Verifying Program Id: CL  
Verification Date: 04/29/2005  
Decode for District: Southeast District  
Decode for Datum: High Accuracy Reference Network  
Decode for Method: Differentially Corrected GPS  
Decode for Off Site COC: Not reported  
Decode for V\_Method: Digital Aerial Photography With Ground Control  
Latitude/Longitude (deg/min/sec): 27 23 45.0189000 / 80 20 7.57249999

District: Southeast District  
Site Id: 41113  
Project Id: 100813  
Site Status: OPEN  
Project Manager: DOLAN\_J  
OGC Case Number: 95-1336  
Initial Date Received: 03/27/1995  
Contaminants: Solvents, Metals, Some Petroleum  
Offsite Cont Impact: Y  
Priority Score: 25  
Datum: HARN  
Method ID: DGPS  
Feature: Not reported  
Object Of Interest: CAP\_RAP SITE  
Proximity To Object: APPRX  
Collect Username: STONE\_H  
Collect Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Collect Program Id: CL  
Collect Date: 04/29/2005  
Map Series Used: 1999 doqs  
Map Source Scale: 4621  
Interpolation Scale: Not reported  
Coordinate Accuracy Id: 4  
Verify Method Id: DPHO  
Verifier Username: STONE\_H  
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Verifying Program Id: CL  
Verification Date: 04/29/2005  
Decode for District: Southeast District  
Decode for Datum: High Accuracy Reference Network  
Decode for Method: Differentially Corrected GPS  
Decode for Off Site COC: Yes, there is documentation that contamination above applicable standards or criteria exists offsite.  
Decode for V\_Method: Digital Aerial Photography With Ground Control  
Latitude/Longitude (deg/min/sec): 27 23 45.0189000 / 80 20 7.57249999

SITE INV SITES:

Site Number: 416  
Alternate Site Number: Not reported  
District: Southeast District  
Latitude/Longitude (deg/min/sec): 27 23 48 / 80 20 2  
Datum: NAD83  
Decode of Datum: North American Datum of 1983  
Decode of Districtcd: SED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

TIER 2:

Year: 2017  
Facility Id: 6109526  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: Not reported  
Longitude: Not reported  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: 9621  
SIC Code 2: Not reported  
NAICS Code: 926120  
Last Modified Date: 02/26/2018  
First Submit Date: 02/26/2018  
Data Submitted By: Kris Kehres, Program Engineer  
Company Name: Florida Department of Transportation  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2017  
Facility Id: 6109526  
Contact Type: Emergency Contact  
Contact Name: Thomas Greene  
Contact Title: Not reported  
Contact Phone: 772-216-4273  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 772-519-1048  
Contact Telephone 3: Not reported  
Contact Telephone 4: 772-429-4927  
Contact Telephone 5: 772-519-1048  
Contact Telephone 6: 772-429-4875  
Contact Email: thomas.greene@dot.state.fl.us

Year: 2016  
Facility Id: 5851328  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: Not reported  
Longitude: Not reported  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

PRIME: Not reported  
SIC Code: 9621  
SIC Code 2: Not reported  
NAICS Code: 926120  
Last Modified Date: 02/21/2017  
First Submit Date: 02/21/2017  
Data Submitted By: Kris Kehres, Program Engineer  
Company Name: Florida Department of Transportation  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2016  
Facility Id: 5851328  
Contact Type: Emergency Contact  
Contact Name: Thomas Greene  
Contact Title: Not reported  
Contact Phone: 772-216-4273  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 772-519-1048  
Contact Telephone 3: Not reported  
Contact Telephone 4: 772-429-4927  
Contact Telephone 5: 772-519-1048  
Contact Telephone 6: 772-429-4875  
Contact Email: thomas.greene@dot.state.fl.us

Year: 2015  
Facility Id: 5407991  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.3951912  
Longitude: -80.33409310000002  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: 9621  
SIC Code 2: Not reported  
NAICS Code: 926120  
Last Modified Date: 02/19/2016  
First Submit Date: 02/19/2016  
Data Submitted By: Kris Kehres, Program Engineer  
Company Name: Florida Department of Transportation  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2015  
Facility Id: 5407991  
Contact Type: Emergency Contact  
Contact Name: Thomas Greene

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FL DEPT OF TRANSPORTATION - OPER CTR (Continued)

U001372990

Contact Title: Not reported  
Contact Phone: 772-216-4273  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 772-519-1048  
Contact Telephone 3: Not reported  
Contact Telephone 4: 772-429-4927  
Contact Telephone 5: 772-519-1048  
Contact Telephone 6: 772-429-4875  
Contact Email: thomas.greene@dot.state.fl.us

Year: 2014  
Facility Id: 4982573  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.3951912  
Longitude: -80.33409310000002  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: 9621  
SIC Code 2: Not reported  
NAICS Code: 926120  
Last Modified Date: 02/12/2015  
First Submit Date: 02/12/2015  
Data Submitted By: Kris Kehres, Program Engineer  
Company Name: Florida Department of Transportation  
Comments: Not reported

Contact:  
Contact ID: Not reported  
Year: 2014  
Facility Id: 4982573  
Contact Type: Emergency Contact  
Contact Name: Thomas Greene  
Contact Title: Not reported  
Contact Phone: 772-216-4273  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 772-519-1048  
Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: thomas.greene@dot.state.fl.us

Year: 2013  
Facility Id: 4511671  
Active Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.3951912  
Longitude: -80.33409310000002  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: 1611  
SIC Code 2: Not reported  
NAICS Code: 237310  
Last Modified Date: 01/29/2014  
First Submit Date: 01/29/2014  
Data Submitted By: Levy Gantt, Facilities & Quality Assurance Inspector  
Company Name: Florida Department of Transportation  
Comments: Not reported

Contact:

Contact ID: Not reported  
Year: 2013  
Facility Id: 4511671  
Contact Type: Emergency Contact  
Contact Name: Thomas Greene  
Contact Title: Not reported  
Contact Phone: 772-489-7074  
Contact 24Hr Phone: Not reported  
Contact Telephone 2: 772-216-4273  
Contact Telephone 3: Not reported  
Contact Telephone 4: Not reported  
Contact Telephone 5: Not reported  
Contact Telephone 6: Not reported  
Contact Email: thomas.greene@dot.state.fl.us

Year: 2012  
Facility Id: 4044774  
Active Date: Not reported  
Inactive Date: Not reported  
Sale Pending: Not reported  
Original Date: Not reported  
PLOT Source: Not reported  
Latitude: 27.3951912  
Longitude: -80.33409310000002  
LEPC District: Not reported  
Counties: Not reported  
SERC: Not reported  
Program Level: Not reported  
PRIME: Not reported  
SIC Code: 1611  
SIC Code 2: Not reported  
NAICS Code: 237310  
Last Modified Date: 03/11/2013  
First Submit Date: 02/06/2013

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FL DEPT OF TRANSPORTATION - OPER CTR (Continued)**

**U001372990**

Data Submitted By: Levy Gantt, Facilities & Quality Assurance Inspector  
 Company Name: Florida Department of Transportation  
 Comments: Not reported

Contact:  
 Contact ID: Not reported  
 Year: 2012  
 Facility Id: 4044774  
 Contact Type: Emergency Contact  
 Contact Name: John Spivey  
 Contact Title: Not reported  
 Contact Phone: 772-216-4273  
 Contact 24Hr Phone: Not reported  
 Contact Telephone 2: Not reported  
 Contact Telephone 3: Not reported  
 Contact Telephone 4: Not reported  
 Contact Telephone 5: Not reported  
 Contact Telephone 6: Not reported  
 Contact Email: john.spivey@dot.state.fl.us

Contact ID: Not reported  
 Year: 2012  
 Facility Id: 4044774  
 Contact Type: Owner / Operator  
 Contact Name: John Spivey  
 Contact Title: Not reported  
 Contact Phone: 772-216-4273  
 Contact 24Hr Phone: Not reported  
 Contact Telephone 2: Not reported  
 Contact Telephone 3: Not reported  
 Contact Telephone 4: Not reported  
 Contact Telephone 5: Not reported  
 Contact Telephone 6: Not reported  
 Contact Email: john.spivey@dot.state.fl.us

**29**  
**SE**  
**1/4-1/2**  
**0.380 mi.**  
**2008 ft.**

**FDOT/OLEANDER**  
**ACROSS THE STREET FROM 3601 OLEANDER AVENUE**  
**FT. PIERCE, FL 34982**

**SWF/LF S111278653**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**19 ft.**

SWF/LF:  
 Facility ID: 100023  
 District: SED  
 Lat/Long: 27:23:43 / 80:19:58  
 Class Type: 910  
 Classification: DISASTER DEBRIS MANAGEMENT SITE  
 Class Status: PRE-AUTHORIZED (B)  
 Section: Not reported  
 Township: Not reported  
 Range: Not reported  
 Responsible Authority Name: Not reported  
 Responsible Authority Address: Not reported  
 Responsible Authority City,St,Zip: Not reported  
 Responsible Authority Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FDOT/OLEANDER (Continued)**

**S111278653**

EEmail Address1: Not reported  
EEmail Address2: Not reported  
Site Supervisor Name: Not reported  
Site Supervisor Addr: Not reported  
Site Supervisor City/State/Zip: Not reported  
Site Supervisor Telephone: Not reported  
Land Owner Name: Not reported  
Land Owner Address: Not reported  
Land Owner City/State/Zip: Not reported  
Land Owner Telephone: Not reported

[Click here for Florida Oculus:](#)

**30**  
**NNE**  
**1/4-1/2**  
**0.466 mi.**  
**2462 ft.**

**JC AUTOMOTIVE AND DIAGNOSTICS**  
**3101 OLEANDER AVENUE**  
**FORT PIERCE, FL 34982**

**SPILLS**  
**RESP PARTY**  
**SITE INV SITES**

**S109210856**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**16 ft.**

**SPILLS:**  
OHMIT Incident Number: 26108  
Incident Legacy: Not reported  
On-Scene Response: Yes  
Criminal Indicator: Yes  
Hurricane Indicator: No  
Incident Date: 08/04/2005  
Incident Status: Closed  
Incident Report Date: 08/04/2005  
Pollutant: Not reported  
Pollutants Category: Not reported  
Substance Spilled: Not reported  
Amount Spilled (Gallons): Not reported  
Pollutant - Unit Measure: Not reported  
  
Incident Party Name: Not reported  
Description: Inland  
  
Incident Party Name: Not reported  
Description: Inland

**RESP PARTY:**  
District: Southeast District  
Site Id: 132376  
Project Id: 229623  
Site Status: CLOSED  
Project Manager: SELVENDRAN\_G  
OGC Case Number: Not reported  
Initial Date Received: 08/02/1999  
Contaminants: Petroleum  
Offsite Cont Impact: N  
Priority Score: Not reported  
Datum: HARN  
Method ID: GGPS  
Feature: Not reported  
Object Of Interest: CAP\_RAP SITE  
Proximity To Object: CENTR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

JC AUTOMOTIVE AND DIAGNOSTICS (Continued)

S109210856

Collect Username: STONE\_H  
Collect Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Collect Program Id: CL  
Collect Date: 04/25/2005  
Map Series Used: 1999 doqs  
Map Source Scale: 2231  
Interpolation Scale: Not reported  
Coordinate Accuracy Id: 4  
Verify Method Id: DPHO  
Verifier Username: STONE\_H  
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Verifying Program Id: CL  
Verification Date: 04/25/2005  
Decode for District: Southeast District  
Decode for Datum: High Accuracy Reference Network  
Decode for Method: Geodetic Quality GPS  
Decode for Off Site COC: No, the best available evidence (such as completed SAR) demonstrates that contamination above applicable standards or criteria DOES NOT extend offsite.  
Decode for V\_Method: Digital Aerial Photography With Ground Control  
Latitude/Longitude (deg/min/sec): 27 24 27.7105999 / 80 20 4.21030000

District: Southeast District  
Site Id: 285490  
Project Id: 310628  
Site Status: CLOSED  
Project Manager: SELVENDRAN\_G  
OGC Case Number: Not reported  
Initial Date Received: 05/04/2004  
Contaminants: Not reported  
Offsite Cont Impact: N  
Priority Score: Not reported  
Datum: NAD83  
Method ID: DPHO  
Feature: Not reported  
Object Of Interest: CAP\_RAP SITE  
Proximity To Object: APPRX  
Collect Username: WIERZBICKI\_P  
Collect Affiliation: Florida Department of Environmental Protection  
Collect Program Id: CR  
Collect Date: 10/14/2013  
Map Series Used: IMAGERY\_04\_09  
Map Source Scale: 5000  
Interpolation Scale: 5000  
Coordinate Accuracy Id: 3  
Verify Method Id: DPHO  
Verifier Username: WIERZBICKI\_P  
Verifier Affiliation: Florida Department of Environmental Protection  
Verifying Program Id: CR  
Verification Date: 10/14/2013  
Decode for District: Southeast District  
Decode for Datum: North American Datum of 1983  
Decode for Method: Digital Aerial Photography With Ground Control  
Decode for Off Site COC: No, the best available evidence (such as completed SAR) demonstrates that contamination above applicable standards or criteria DOES NOT extend offsite.  
Decode for V\_Method: Digital Aerial Photography With Ground Control

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JC AUTOMOTIVE AND DIAGNOSTICS (Continued)**

**S109210856**

Latitude/Longitude (deg/min/sec): 27 24 27.7109999 / 80 20 4.2000000

SITE INV SITES:

Site Number: 446  
Alternate Site Number: Not reported  
District: Southeast District  
Latitude/Longitude (deg/min/sec): 27 24 38 / 80 20 1  
Datum: NAD83  
Decode of Datum: North American Datum of 1983  
Decode of Districtcd: SED

31  
ESE  
1/4-1/2  
0.473 mi.  
2496 ft.

**COOL-IT AUTO AND RADIATOR LLC**  
**500 FARMERS MARKET ROAD BAY#3**  
**FORT PIERCE, FL 34982**

**SWF/LF S118681755**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**14 ft.**

SWF/LF:  
Facility ID: 102931  
District: ALL  
Lat/Long: :: / ::  
Class Type: 754  
Classification: WASTE TIRE COLLECTOR  
Class Status: INACTIVE (I)  
Section: Not reported  
Township: Not reported  
Range: Not reported  
Responsible Authority Name: Not reported  
Responsible Authority Address: Not reported  
Responsible Authority City,St,Zip: Not reported  
Responsible Authority Phone: Not reported  
EMail Address1: Not reported  
EMail Address2: Not reported  
Site Supervisor Name: Not reported  
Site Supervisor Addr: Not reported  
Site Supervisor City/State/Zip: Not reported  
Site Supervisor Telephone: Not reported  
Land Owner Name: Not reported  
Land Owner Address: Not reported  
Land Owner City/State/Zip: Not reported  
Land Owner Telephone: Not reported

[Click here for Florida Oculus:](#)

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: N/A
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: N/A
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/13/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 06/22/2018  
Number of Days to Update: 23

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 92

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 07/06/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/18/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 06/22/2018  
Number of Days to Update: 23

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 10/29/2018  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 05/18/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018	Source: Department of the Navy
Date Data Arrived at EDR: 05/18/2018	Telephone: 843-820-7326
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/16/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/26/2018
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/19/2018

Date Data Arrived at EDR: 03/27/2018

Date Made Active in Reports: 06/08/2018

Number of Days to Update: 73

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/27/2018

Next Scheduled EDR Contact: 10/08/2018

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

SHWS: Florida's State-Funded Action Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 02/01/2018

Date Data Arrived at EDR: 02/21/2018

Date Made Active in Reports: 04/09/2018

Number of Days to Update: 47

Source: Department of Environmental Protection

Telephone: 850-488-0190

Last EDR Contact: 05/25/2018

Next Scheduled EDR Contact: 09/03/2018

Data Release Frequency: Semi-Annually

## ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/16/2018

Date Data Arrived at EDR: 07/18/2018

Date Made Active in Reports: 08/22/2018

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 850-922-7121

Last EDR Contact: 07/18/2018

Next Scheduled EDR Contact: 10/29/2018

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

LUST: Petroleum Contamination Detail Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/02/2018

Date Data Arrived at EDR: 08/01/2018

Date Made Active in Reports: 08/22/2018

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 850-245-8839

Last EDR Contact: 08/01/2018

Next Scheduled EDR Contact: 11/12/2018

Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Listing

The file for Leaking Aboveground Storage Tanks. Please remember STCM does not track the source of the discharge so the agency provides a list of facilities with an aboveground tank and an open discharge split by facilities with aboveground tanks only and facilities with aboveground and underground tanks.

Date of Government Version: 07/25/2018

Date Data Arrived at EDR: 07/27/2018

Date Made Active in Reports: 08/22/2018

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: 850-245-8799

Last EDR Contact: 07/24/2018

Next Scheduled EDR Contact: 11/12/2018

Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

### FF TANKS: Federal Facilities Listing

A listing of federal facilities with storage tanks.

Date of Government Version: 07/01/2018  
Date Data Arrived at EDR: 07/03/2018  
Date Made Active in Reports: 07/12/2018  
Number of Days to Update: 9

Source: Department of Environmental Protection  
Telephone: 850-245-8250  
Last EDR Contact: 06/21/2018  
Next Scheduled EDR Contact: 10/08/2018  
Data Release Frequency: Quarterly

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 136

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 07/11/2018  
Next Scheduled EDR Contact: 10/22/2018  
Data Release Frequency: Varies

### UST: Storage Tank Facility Information

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/01/2018  
Date Data Arrived at EDR: 08/01/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: 850-245-8839  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Quarterly

### AST: Storage Tank Facility Information

Registered Aboveground Storage Tanks.

Date of Government Version: 07/01/2018  
Date Data Arrived at EDR: 08/01/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: 850-245-8839  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Quarterly

### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-9424
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

## TANKS: Storage Tank Facility List

This listing includes storage tank facilities that do not have tank information. The tanks have either be closed or removed from the site, but the facilities were still registered at some point in history.

Date of Government Version: 07/01/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/01/2018	Telephone: 850-245-8841
Date Made Active in Reports: 08/22/2018	Last EDR Contact: 08/01/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/12/2018
	Data Release Frequency: Quarterly

## ***State and tribal institutional control / engineering control registries***

### ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/05/2018	Telephone: 850-245-8927
Date Made Active in Reports: 07/12/2018	Last EDR Contact: 07/05/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Semi-Annually

### Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 04/02/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/04/2018	Telephone: 850-245-8927
Date Made Active in Reports: 04/24/2018	Last EDR Contact: 04/04/2018
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Semi-Annually

## ***State and tribal voluntary cleanup sites***

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/22/2018
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Varies

### VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/21/2018  
Date Data Arrived at EDR: 05/22/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 50

Source: Department of Environmental Protection  
Telephone: 850-245-8705  
Last EDR Contact: 08/20/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## **State and tribal Brownfields sites**

### BROWNFIELDS AREAS: Brownfields Areas Database

A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. This layer provides a polygon representation of the boundaries of these designated Brownfield Areas in Florida.

Date of Government Version: 02/28/2018  
Date Data Arrived at EDR: 04/04/2018  
Date Made Active in Reports: 04/30/2018  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 850-245-8934  
Last EDR Contact: 07/06/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Quarterly

### BSRA: Brownfield Site Rehabilitation Agreements Listing

The BSRA provides DEP and the public assurance that site rehabilitation will be conducted in accordance with Florida Statutes and DEP's Contaminated Site Cleanup Criteria rule. In addition, the BSRA provides limited liability protection for the voluntary responsible party. The BSRA contains various commitments by the voluntary responsible party, including milestones for completion of site rehabilitation tasks and submittal of technical reports and plans. It also contains a commitment by DEP to review technical reports according to an agreed upon schedule. Only those brownfield sites with an executed BSRA are eligible to apply for a voluntary cleanup tax credit incentive pursuant to Section 376.30781, Florida Statutes.

Date of Government Version: 04/25/2018  
Date Data Arrived at EDR: 07/05/2018  
Date Made Active in Reports: 07/09/2018  
Number of Days to Update: 4

Source: Department of Environmental Protection  
Telephone: 850-245-8934  
Last EDR Contact: 07/05/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Varies

### BROWNFIELDS: Brownfields Sites Database

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 07/05/2018  
Date Made Active in Reports: 07/09/2018  
Number of Days to Update: 4

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 07/05/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Semi-Annually

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2018	Telephone: 202-566-2777
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/20/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/01/2018
	Data Release Frequency: Semi-Annually

## Local Lists of Landfill / Solid Waste Disposal Sites

### SWRCY: Recycling Centers

A listing of recycling centers located in the state of Florida.

Date of Government Version: 01/10/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/16/2018	Telephone: 850-245-8718
Date Made Active in Reports: 04/09/2018	Last EDR Contact: 07/20/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Varies

### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/30/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/12/2018
	Data Release Frequency: Varies

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/17/2018
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: No Update Planned

### IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 08/03/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### **US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018  
Date Data Arrived at EDR: 03/01/2018  
Date Made Active in Reports: 05/11/2018  
Number of Days to Update: 71

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: No Update Planned

### **PRIORITYCLEANERS: Priority Ranking List**

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

Date of Government Version: 07/10/2018  
Date Data Arrived at EDR: 08/10/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 12

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 08/10/2018  
Next Scheduled EDR Contact: 11/26/2018  
Data Release Frequency: Varies

### **FL SITES: Sites List**

This summary status report was developed from a number of lists including the Eckhardt list, the Moffitt list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989  
Date Data Arrived at EDR: 05/09/1994  
Date Made Active in Reports: 08/04/1994  
Number of Days to Update: 87

Source: Department of Environmental Protection  
Telephone: 850-245-8705  
Last EDR Contact: 03/24/1994  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **US CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018  
Date Data Arrived at EDR: 03/01/2018  
Date Made Active in Reports: 05/11/2018  
Number of Days to Update: 71

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Quarterly

## **Local Land Records**

### **LIENS 2: CERCLA Lien Information**

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 06/29/2018  
Number of Days to Update: 30

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018  
Date Data Arrived at EDR: 03/27/2018  
Date Made Active in Reports: 06/08/2018  
Number of Days to Update: 73

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 03/27/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Quarterly

### **SPILLS: Oil and Hazardous Materials Incidents**

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 07/06/2018  
Date Data Arrived at EDR: 07/10/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 43

Source: Department of Environmental Protection  
Telephone: 850-245-2010  
Last EDR Contact: 07/05/2018  
Next Scheduled EDR Contact: 10/22/2018  
Data Release Frequency: Semi-Annually

### **SPILLS 90: SPILLS90 data from FirstSearch**

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/10/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/04/2013  
Number of Days to Update: 60

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **SPILLS 80: SPILLS80 data from FirstSearch**

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/01/2001  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/06/2013  
Number of Days to Update: 62

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### **RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018  
Date Data Arrived at EDR: 03/28/2018  
Date Made Active in Reports: 06/22/2018  
Number of Days to Update: 86

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 06/28/2018  
Next Scheduled EDR Contact: 10/08/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 05/25/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/03/2018
	Data Release Frequency: Varies

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/11/2018
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Semi-Annually

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/13/2018
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: N/A

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/17/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/26/2018
	Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-566-1917
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/27/2018
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 08/03/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/10/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 01/05/2018  
Number of Days to Update: 198

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 06/22/2018  
Next Scheduled EDR Contact: 10/01/2018  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 01/10/2018  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 2

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/25/2018  
Next Scheduled EDR Contact: 09/03/2018  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/13/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 06/29/2018  
Number of Days to Update: 30

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/17/2017	Telephone: 202-564-8600
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 07/20/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/09/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/13/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

**MLTS: Material Licensing Tracking System**

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 07/23/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Quarterly

**COAL ASH DOE: Steam-Electric Plant Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Varies

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/04/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Varies

**PCB TRANSFORMER: PCB Transformer Registration Database**

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 07/27/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

**RADINFO: Radiation Information Database**

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/03/2018  
Date Data Arrived at EDR: 04/05/2018  
Date Made Active in Reports: 06/29/2018  
Number of Days to Update: 85

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 07/05/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018  
Date Data Arrived at EDR: 04/16/2018  
Date Made Active in Reports: 06/29/2018  
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 07/09/2018  
Next Scheduled EDR Contact: 10/01/2018  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 06/28/2018  
Next Scheduled EDR Contact: 09/03/2018  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 07/11/2018
Number of Days to Update: 546	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 08/01/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017	Source: Department of Energy
Date Data Arrived at EDR: 10/11/2017	Telephone: 505-845-0011
Date Made Active in Reports: 11/03/2017	Last EDR Contact: 08/20/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/03/2018
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/30/2018	Telephone: 703-603-8787
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018  
Date Data Arrived at EDR: 05/31/2018  
Date Made Active in Reports: 06/29/2018  
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/31/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018  
Date Data Arrived at EDR: 03/13/2018  
Date Made Active in Reports: 06/08/2018  
Number of Days to Update: 87

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/20/2018  
Next Scheduled EDR Contact: 09/24/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018	Source: EPA
Date Data Arrived at EDR: 02/23/2018	Telephone: (404) 562-9900
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 06/06/2018
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-0527
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 06/01/2018
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2018	Telephone: 202-564-2280
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/06/2018
Number of Days to Update: 83	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016	Source: Department of Defense
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 07/13/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018	Source: EPA
Date Data Arrived at EDR: 02/21/2018	Telephone: 800-385-6164
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 08/22/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/03/2018
	Data Release Frequency: Quarterly

## AIRS: Permitted Facilities Listing

A listing of Air Resources Management permits.

Date of Government Version: 08/08/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/09/2018	Telephone: 850-921-9558
Date Made Active in Reports: 08/22/2018	Last EDR Contact: 08/07/2018
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/12/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ASBESTOS: Asbestos Notification Listing Asbestos sites

Date of Government Version: 05/16/2018  
Date Data Arrived at EDR: 05/22/2018  
Date Made Active in Reports: 07/12/2018  
Number of Days to Update: 51

Source: Department of Environmental Protection  
Telephone: 850-717-9086  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

## CLEANUP SITES: DEP Cleanup Sites - Contamination Locator Map Listing

This listing includes the locations of waste cleanup sites from various programs. The source of the cleanup site data includes Hazardous Waste programs, Site Investigation Section, Compliance and Enforcement Tracking, Drycleaning State Funded Cleanup Program (possibly other state funded cleanup), Storage Tank Contamination Monitoring.

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/29/2018  
Date Made Active in Reports: 07/12/2018  
Number of Days to Update: 44

Source: Department of Environmental Protection  
Telephone: 866-282-0787  
Last EDR Contact: 05/29/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Quarterly

## DEDB: Ethylene Dibromide Database Results

Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 04/24/2018  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: 850-245-8335  
Last EDR Contact: 07/11/2018  
Next Scheduled EDR Contact: 10/01/2018  
Data Release Frequency: Varies

## DRYCLEANERS: Drycleaning Facilities

The Drycleaners database, maintained by the Department of Environmental Protection, provides information about permitted dry cleaner facilities.

Date of Government Version: 07/01/2018  
Date Data Arrived at EDR: 07/25/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 28

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 07/25/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Semi-Annually

## DWM CONTAM: DWM CONTAMINATED SITES

A listing of active or known sites. The listing includes sites that need cleanup but are not actively being working on because the agency currently does not have funding (primarily petroleum and drycleaning).

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 10/31/2017  
Date Made Active in Reports: 01/19/2018  
Number of Days to Update: 80

Source: Department of Environmental Protection  
Telephone: 850-245-7503  
Last EDR Contact: 08/07/2018  
Next Scheduled EDR Contact: 10/22/2018  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

A list of hazardous waste facilities required to provide financial assurance under RCRA.

Date of Government Version: 07/25/2018  
Date Data Arrived at EDR: 07/27/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 850-245-8793  
Last EDR Contact: 07/24/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities.

Date of Government Version: 07/23/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/27/2018	Telephone: 850-245-8743
Date Made Active in Reports: 08/22/2018	Last EDR Contact: 07/24/2018
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/12/2018
	Data Release Frequency: Semi-Annually

## Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for storage tanks sites.

Date of Government Version: 07/02/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/01/2018	Telephone: 850-245-8853
Date Made Active in Reports: 08/22/2018	Last EDR Contact: 08/01/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/12/2018
	Data Release Frequency: Quarterly

## FL Cattle Dip. Vats: Cattle Dipping Vats

From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 01/19/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/09/2018	Telephone: 850-245-4444
Date Made Active in Reports: 01/19/2018	Last EDR Contact: 07/13/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: No Update Planned

## RESP PARTY: Responsible Party Sites Listing

Open, inactive and closed responsible party sites

Date of Government Version: 04/02/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/04/2018	Telephone: 850-245-8758
Date Made Active in Reports: 04/24/2018	Last EDR Contact: 04/04/2018
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

## SITE INV SITES: Site Investigation Section Sites Listing

Statewide coverage of Site Investigation Section (SIS) sites. Site Investigation is a Section within the Bureau of Waste Cleanup, Division of Waste Management. SIS provides technical support to FDEP District Waste Cleanup Programs and conducts contamination assessments throughout the state.

Date of Government Version: 05/19/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/23/2018	Telephone: 850-245-8953
Date Made Active in Reports: 07/11/2018	Last EDR Contact: 08/21/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/03/2018
	Data Release Frequency: Quarterly

## TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/24/2018	Telephone: 850-413-9970
Date Made Active in Reports: 08/22/2018	Last EDR Contact: 07/05/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/24/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: Underground Injection Wells Database Listing

A listing of Class I wells. Class I wells are used to inject hazardous waste, nonhazardous waste, or municipal waste below the lowermost USDW.

Date of Government Version: 07/18/2018  
Date Data Arrived at EDR: 07/24/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 29

Source: Department of Environmental Protection  
Telephone: 850-245-8655  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

## WASTEWATER: Wastewater Facility Regulation Database

Domestic and industrial wastewater facilities.

Date of Government Version: 08/01/2018  
Date Data Arrived at EDR: 08/06/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: 850-245-8600  
Last EDR Contact: 08/06/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

### ***Exclusive Recovered Govt. Archives***

#### RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/10/2014  
Number of Days to Update: 193

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **COUNTY RECORDS**

### ALACHUA COUNTY:

#### FACILITY LIST ALACHUA: Facility List

List of all regulated facilities in Alachua County.

Date of Government Version: 03/22/2018  
Date Data Arrived at EDR: 03/27/2018  
Date Made Active in Reports: 04/05/2018  
Number of Days to Update: 9

Source: Alachua County Environmental Protection Department  
Telephone: 352-264-6800  
Last EDR Contact: 06/21/2018  
Next Scheduled EDR Contact: 10/08/2018  
Data Release Frequency: Annually

### BROWARD COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AST BROWARD: Aboveground Storage Tanks

Aboveground storage tank locations in Broward County.

Date of Government Version: 06/04/2018  
Date Data Arrived at EDR: 06/08/2018  
Date Made Active in Reports: 07/12/2018  
Number of Days to Update: 34

Source: Broward County Environmental Protection Department  
Telephone: 954-818-7509  
Last EDR Contact: 06/01/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Varies

## UST BROWARD: Underground Storage Tanks

All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 06/04/2018  
Date Data Arrived at EDR: 06/08/2018  
Date Made Active in Reports: 07/12/2018  
Number of Days to Update: 34

Source: Broward County Environmental Protection Department  
Telephone: 954-818-7509  
Last EDR Contact: 06/01/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Varies

## HILLSBOROUGH COUNTY:

### LF HILLSBOROUGH: Hillsborough County LF

Hillsborough county landfill sites.

Date of Government Version: 01/04/2018  
Date Data Arrived at EDR: 01/09/2018  
Date Made Active in Reports: 01/22/2018  
Number of Days to Update: 13

Source: Hillsborough County Environmental Protection Commission  
Telephone: 813-627-2600  
Last EDR Contact: 07/05/2018  
Next Scheduled EDR Contact: 10/22/2018  
Data Release Frequency: Varies

## MIAMI-DADE COUNTY:

### DADE CO AP: Air Permit Sites

Facilities that release or have a potential to release pollutants.

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 07/13/2018  
Number of Days to Update: 44

Source: Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Semi-Annually

### DADE CO AW: Agricultural Waste Listing

A listing of agricultural waste sites

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 07/13/2018  
Number of Days to Update: 44

Source: Miami-Dade County Division of Environmental Resources Management  
Telephone: 305-372-6715  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Varies

### DADE CO LW: Liquid Waste Transporter List

The Liquid Waste Transporter permit regulates the transportation of various types of liquid and solid waste, including hazardous waste, waste oil and oily waste waters, septic and grease trap waste, biomedical waste, spent radiator fluid, photo chemical waste, dry sewage sludge, and other types of non-hazardous industrial waste. The Liquid Waste Transporter permits needed to protect the environment and the public from improperly handled and transported waste.

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 07/13/2018  
Number of Days to Update: 44

Source: DERM  
Telephone: 305-372-6755  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DADE MOP: Marine Facilities Operating Permit

What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 05/29/2018	Source: DERM
Date Data Arrived at EDR: 05/30/2018	Telephone: 305-372-3576
Date Made Active in Reports: 07/16/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Quarterly

## DADE MRE: Maimi River Enforcement

The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 06/05/2013	Source: DERM
Date Data Arrived at EDR: 06/06/2013	Telephone: 305-372-3576
Date Made Active in Reports: 08/06/2013	Last EDR Contact: 05/30/2018
Number of Days to Update: 61	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Quarterly

## DADE\_IW2\_4: Industrial Waste Type 2-4 Sites

IW2s are facilities having reclaim or recycling systems with no discharges, aboveground holding tanks or spill prevention and countermeasure plans. IW4s are facilities that discharge an effluent to the ground.

Date of Government Version: 05/29/2018	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 05/30/2018	Telephone: 305-372-6700
Date Made Active in Reports: 07/16/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Semi-Annually

## DADE\_IW5: Industrial Waste Type 5 Sites

Generally these facilities fall under the category of "conditionally exempt small quantity generator" or "small quantity generator".

Date of Government Version: 05/29/2018	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 05/30/2018	Telephone: 305-372-6700
Date Made Active in Reports: 07/16/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Semi-Annually

## DADE\_IW6: Industrial Waste Type 6

Permits issued to those non-residential land uses located within the major drinking water wellfield protection areas that are not served by sanitary sewers. These facilities do not handle hazardous materials but are regulated because of the env. sensitivity of the areas where they are located.

Date of Government Version: 05/29/2018	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 05/30/2018	Telephone: 305-372-6700
Date Made Active in Reports: 07/16/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Semi-Annually

## DADE\_IWP: Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/2018  
Date Data Arrived at EDR: 02/27/2018  
Date Made Active in Reports: 04/05/2018  
Number of Days to Update: 37

Source: Department of Environmental Resources Management  
Telephone: 305-372-6700  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Semi-Annually

## ENF: Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 07/16/2018  
Number of Days to Update: 47

Source: Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Semi-Annually

## SPILLS DADE: Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 01/08/2009  
Date Data Arrived at EDR: 01/13/2009  
Date Made Active in Reports: 02/05/2009  
Number of Days to Update: 23

Source: Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Semi-Annually

## UST DADE: Storage Tanks

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 07/16/2018  
Number of Days to Update: 47

Source: Department of Environmental Resource Management  
Telephone: 305-372-6700  
Last EDR Contact: 05/30/2018  
Next Scheduled EDR Contact: 09/10/2018  
Data Release Frequency: Semi-Annually

## PALM BEACH COUNTY:

### LF PALM BEACH: Palm Beach County LF

Palm Beach County Inventory of Solid Waste Sites.

Date of Government Version: 09/01/2011  
Date Data Arrived at EDR: 09/20/2011  
Date Made Active in Reports: 10/10/2011  
Number of Days to Update: 20

Source: Palm Beach County Solid Waste Authority  
Telephone: 561-640-4000  
Last EDR Contact: 06/15/2018  
Next Scheduled EDR Contact: 09/24/2018  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018  
Date Data Arrived at EDR: 02/14/2018  
Date Made Active in Reports: 03/22/2018  
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 11/26/2018  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 07/13/2018  
Date Made Active in Reports: 08/01/2018  
Number of Days to Update: 19

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/13/2018  
Next Scheduled EDR Contact: 10/22/2018  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2018  
Date Data Arrived at EDR: 05/03/2018  
Date Made Active in Reports: 06/07/2018  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 07/25/2017  
Date Made Active in Reports: 09/25/2017  
Number of Days to Update: 62

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 07/12/2018  
Next Scheduled EDR Contact: 10/29/2018  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 02/23/2018  
Date Made Active in Reports: 04/09/2018  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/21/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/15/2018  
Date Made Active in Reports: 07/09/2018  
Number of Days to Update: 24

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/11/2018  
Next Scheduled EDR Contact: 09/24/2018  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Department of Children & Families

Source: Provider Information

Telephone: 850-488-4900

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

WE BUY SCRAP, LLC  
1237 GROSE ROAD  
FORT PIERCE, FL 34982

### **TARGET PROPERTY COORDINATES**

Latitude (North):	27.400406 - 27° 24' 1.46"
Longitude (West):	80.336631 - 80° 20' 11.87"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	565583.6
UTM Y (Meters):	3030790.8
Elevation:	14 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5656797 FORT PIERCE, FL
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

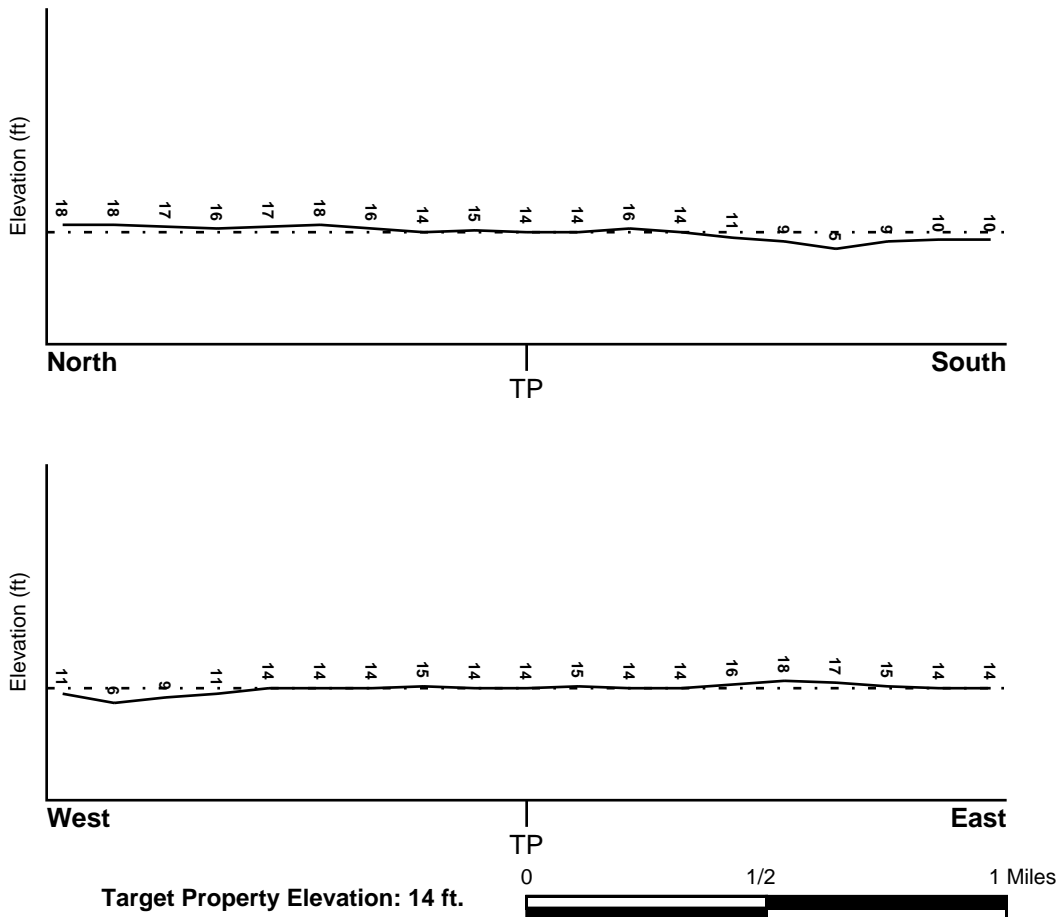
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
12111C0189J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
12111C0186J	FEMA FIRM Flood data
12111C0187J	FEMA FIRM Flood data
12111C0188J	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
FORT PIERCE	YES - refer to the Overview Map and Detail Map

## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

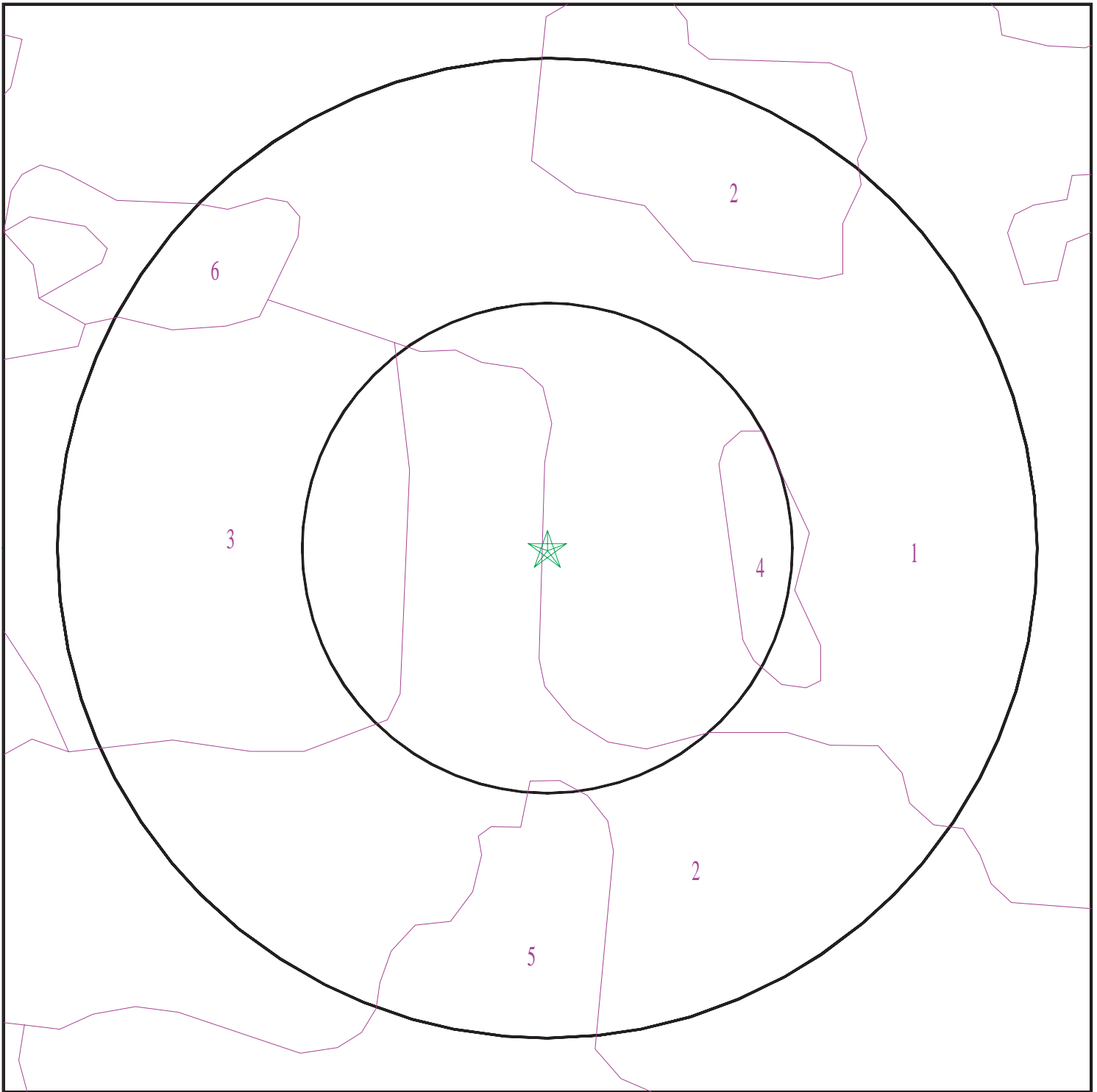
Era: Cenozoic  
System: Quaternary  
Series: Pleistocene  
Code: Qp (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

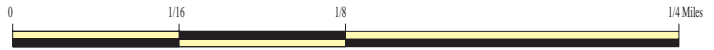
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5404436.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: We Buy Scrap, LLC  
ADDRESS: 1237 Grose Road  
Fort Pierce FL 34982  
LAT/LONG: 27.400406 / 80.336631

CLIENT: Enercon Services  
CONTACT: Christopher Kling, FCEA, LEP  
INQUIRY #: 5404436.2s  
DATE: August 24, 2018 11:10 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Waveland

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
2	3 inches	31 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
3	31 inches	40 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	40 inches	53 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
5	53 inches	66 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
6	66 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6

### Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture: variable

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 3

Soil Component Name:                      Lawnwood

Soil Surface Texture:                      sand

Hydrologic Group:                      Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class:                      Poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:                      > 0 inches

Depth to Watertable Min:                      > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 5.5 Min: 3.6
2	7 inches	27 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 5.5 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	27 inches	51 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 5.5 Min: 3.6
4	51 inches	57 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 5.5 Min: 3.6
5	57 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 5.5 Min: 3.6

### Soil Map ID: 4

Soil Component Name: Ankona

Soil Surface Texture: sand

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	38 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
2	38 inches	48 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
3	48 inches	57 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
4	57 inches	79 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
5	0 inches	7 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 5**

Soil Component Name: Pendarvis

Soil Surface Texture: sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	48 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 6 Min: 3.6
2	48 inches	61 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 6 Min: 3.6
3	75 inches	79 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 6 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	61 inches	75 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 6 Min: 3.6

**Soil Map ID: 6**

Soil Component Name: Waveland

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	3 inches	31 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
3	31 inches	40 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
4	40 inches	53 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
5	53 inches	66 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6
6	66 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 5.5 Min: 3.6

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
BE240	USGS40000241225	1/2 - 1 Mile SE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
53	FL4565015	1/4 - 1/2 Mile North

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	FLSA11000020048	0 - 1/8 Mile NNW
A2	FLSO11000007988	1/8 - 1/4 Mile North
B3	FLSA11000020049	1/8 - 1/4 Mile NNW
C4	FLSA11000023941	1/8 - 1/4 Mile East
B5	FLSA11000063291	1/8 - 1/4 Mile North
C6	FLSA11000023947	1/8 - 1/4 Mile East
C7	FLSA11000024180	1/8 - 1/4 Mile ESE
D8	FLSO11000009296	1/8 - 1/4 Mile SSE
C9	FLSA11000024179	1/8 - 1/4 Mile ESE
C10	FLSA11000023942	1/8 - 1/4 Mile East
E11	FLSA11000020054	1/8 - 1/4 Mile NE
E12	FLSA11000020053	1/8 - 1/4 Mile NE
C13	FLSA11000024174	1/8 - 1/4 Mile ESE
F14	FLSA11000020050	1/8 - 1/4 Mile North
15	FLSA11000084992	1/8 - 1/4 Mile ENE
C16	FLSA11000023948	1/8 - 1/4 Mile East
C17	FLSA11000073629	1/8 - 1/4 Mile ESE
D18	FLSA11000063271	1/8 - 1/4 Mile South
C19	FLSA11000023943	1/8 - 1/4 Mile East
E20	FLSO11000016799	1/8 - 1/4 Mile NE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C21	FLSA11000024175	1/8 - 1/4 Mile ESE
C22	FLSA11000023944	1/8 - 1/4 Mile East
G23	FLSA11000024178	1/8 - 1/4 Mile ESE
G24	FLSA11000020084	1/4 - 1/2 Mile SE
G25	FLSA11000020085	1/4 - 1/2 Mile ESE
F26	FLSA11000020051	1/4 - 1/2 Mile North
E27	FLSA11000020052	1/4 - 1/2 Mile NNE
H28	FLSA11000023949	1/4 - 1/2 Mile East
G29	FLSA11000023945	1/4 - 1/2 Mile East
G30	FLSA11000024177	1/4 - 1/2 Mile ESE
G31	FLSA11000024176	1/4 - 1/2 Mile ESE
E32	FLSA11000084993	1/4 - 1/2 Mile NE
G33	FLSA11000020086	1/4 - 1/2 Mile ESE
E34	FLSA11000024214	1/4 - 1/2 Mile NE
H35	FLSA11000023946	1/4 - 1/2 Mile East
E36	FLSA11000024211	1/4 - 1/2 Mile NE
H37	FLSA11000023950	1/4 - 1/2 Mile East
G38	FLSA11000024181	1/4 - 1/2 Mile ESE
I39	FLSA11000024182	1/4 - 1/2 Mile SE
I40	FLSA11000069738	1/4 - 1/2 Mile SE
J41	FLSA11000024205	1/4 - 1/2 Mile NE
J42	FLSA11000024212	1/4 - 1/2 Mile NE
43	FLSO11000014169	1/4 - 1/2 Mile NW
K44	FLSA11000063310	1/4 - 1/2 Mile NE
G45	FLSA11000020088	1/4 - 1/2 Mile ESE
K46	FLSA11000024213	1/4 - 1/2 Mile NE
J47	FLSA11000024206	1/4 - 1/2 Mile NE
L48	FLSA11000023900	1/4 - 1/2 Mile WSW
J49	FLSA11000024209	1/4 - 1/2 Mile NE
L50	FLSA11000023899	1/4 - 1/2 Mile WSW
J51	FLSA11000024207	1/4 - 1/2 Mile NE
M52	FLSA11000020087	1/4 - 1/2 Mile ESE
M54	FLSA11000020089	1/4 - 1/2 Mile ESE
L55	FLSA11000023898	1/4 - 1/2 Mile WSW
M56	FLSA11000020090	1/4 - 1/2 Mile ESE
J57	FLSA11000024208	1/4 - 1/2 Mile NE
J58	FLSA11000023926	1/4 - 1/2 Mile NNE
59	FLSA11000063243	1/4 - 1/2 Mile SSE
I60	FLSA11000020093	1/4 - 1/2 Mile SE
L61	FLSA11000023894	1/4 - 1/2 Mile WSW
L62	FLSA11000023897	1/4 - 1/2 Mile WSW
J63	FLSA11000024210	1/4 - 1/2 Mile NE
L64	FLSA11000023896	1/4 - 1/2 Mile WSW
M65	FLSA11000020091	1/4 - 1/2 Mile ESE
N66	FLSA11000023892	1/4 - 1/2 Mile WSW
L67	FLSA11000023895	1/4 - 1/2 Mile WSW
L68	FLSA11000023893	1/4 - 1/2 Mile WSW
M69	FLSA11000020092	1/4 - 1/2 Mile ESE
J70	FLSA11000023925	1/4 - 1/2 Mile NNE
J71	FLSA11000023924	1/4 - 1/2 Mile NNE
O72	FLSA11000017316	1/4 - 1/2 Mile NE
N73	FLSA11000023891	1/4 - 1/2 Mile WSW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P74	FLSA11000023921	1/4 - 1/2 Mile NNE
O75	FLSA11000017314	1/4 - 1/2 Mile NE
O76	FLSA11000017315	1/4 - 1/2 Mile NE
P77	FLSA11000084426	1/4 - 1/2 Mile NNE
Q78	FLSO11000038446	1/4 - 1/2 Mile SE
P79	FLSA11000023928	1/4 - 1/2 Mile NNE
O80	FLSA11000017322	1/4 - 1/2 Mile NE
O81	FLSA11000017317	1/4 - 1/2 Mile NE
P82	FLSA11000084427	1/4 - 1/2 Mile NNE
O83	FLSA11000023930	1/4 - 1/2 Mile NNE
R84	FLSA11000023929	1/4 - 1/2 Mile NNE
S85	FLSA11000023881	1/4 - 1/2 Mile ENE
T86	FLSA11000020046	1/4 - 1/2 Mile North
Q87	FLSA11000024183	1/4 - 1/2 Mile SE
88	FLSA11000021942	1/4 - 1/2 Mile SSW
S89	FLSA11000023880	1/4 - 1/2 Mile ENE
S90	FLSA11000023879	1/4 - 1/2 Mile ENE
O91	FLSA11000017318	1/4 - 1/2 Mile NE
T92	FLSA11000020047	1/4 - 1/2 Mile North
S93	FLSA11000023878	1/4 - 1/2 Mile ENE
S94	FLSA11000023877	1/4 - 1/2 Mile ENE
P95	FLSO11000016996	1/4 - 1/2 Mile NNE
U96	FLSA11000023876	1/4 - 1/2 Mile ENE
U97	FLSA11000023875	1/4 - 1/2 Mile ENE
R98	FLSA11000023927	1/4 - 1/2 Mile NNE
R99	FLSA11000017320	1/4 - 1/2 Mile NNE
100	FLSO11000010947	1/4 - 1/2 Mile ESE
V101	FLSA11000021949	1/4 - 1/2 Mile SSE
W102	FLSO11000052897	1/4 - 1/2 Mile NNE
W103	FLSO11000052898	1/4 - 1/2 Mile NNE
W104	FLSA11000023922	1/4 - 1/2 Mile NNE
V105	FLSA11000021946	1/4 - 1/2 Mile SSE
R106	FLSA11000017321	1/4 - 1/2 Mile NE
W107	FLSA11000023957	1/4 - 1/2 Mile NNE
W108	FLSA11000084424	1/2 - 1 Mile NNE
X109	FLSA11000084425	1/2 - 1 Mile NNE
W110	FLSA11000023923	1/2 - 1 Mile NNE
R111	FLSA11000017319	1/2 - 1 Mile NE
U112	FLSA11000023874	1/2 - 1 Mile NE
X113	FLSA11000023958	1/2 - 1 Mile NNE
Y114	FLSA11000023873	1/2 - 1 Mile NE
115	FLSO11000010281	1/2 - 1 Mile West
X116	FLSA11000084423	1/2 - 1 Mile NNE
V117	FLSA11000021948	1/2 - 1 Mile SSE
Z118	FLSO11000009461	1/2 - 1 Mile WNW
Y119	FLSA11000023872	1/2 - 1 Mile NE
Y120	FLSA11000022083	1/2 - 1 Mile NE
X121	FLSA11000023910	1/2 - 1 Mile NNE
Y122	FLSA11000088182	1/2 - 1 Mile ENE
AA123	FLSA11000021947	1/2 - 1 Mile SE
X124	FLSA11000023959	1/2 - 1 Mile NNE
V125	FLSO11000009052	1/2 - 1 Mile SSE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
126	FLSA11000106563	1/2 - 1 Mile South
AB127	FLSO11000008879	1/2 - 1 Mile South
X128	FLSA11000023960	1/2 - 1 Mile NNE
X129	FLSO11000041449	1/2 - 1 Mile NNE
X130	FLSO11000041450	1/2 - 1 Mile NNE
X131	FLSO11000041451	1/2 - 1 Mile NNE
Z132	FLSO11000008471	1/2 - 1 Mile WNW
133	FLSO11000011950	1/2 - 1 Mile ESE
X134	FLSA11000023907	1/2 - 1 Mile NNE
AC135	FLSA11000021943	1/2 - 1 Mile SSW
136	FLSO11000025600	1/2 - 1 Mile SW
X137	FLSA11000023906	1/2 - 1 Mile NNE
AD138	FLSA11000020095	1/2 - 1 Mile SSE
AE139	FLSA11000063272	1/2 - 1 Mile ESE
AE140	FLSA11000063273	1/2 - 1 Mile ESE
X141	FLSA11000023909	1/2 - 1 Mile NNE
X142	FLSA11000023908	1/2 - 1 Mile NNE
AF143	FLSA11000022080	1/2 - 1 Mile NE
AB144	FLSO11000009635	1/2 - 1 Mile South
X145	FLSA11000023903	1/2 - 1 Mile NNE
AC146	FLSA11000021944	1/2 - 1 Mile SSW
AF147	FLSA11000022081	1/2 - 1 Mile NE
AF148	FLSA11000022079	1/2 - 1 Mile NE
AG149	FLSA11000015450	1/2 - 1 Mile SSE
AF150	FLSA11000022084	1/2 - 1 Mile NE
AH151	FLSO11000012412	1/2 - 1 Mile North
AH152	FLSO11000012413	1/2 - 1 Mile North
AA153	FLSA11000020097	1/2 - 1 Mile SE
AI154	FLSA11000023901	1/2 - 1 Mile NNE
AD155	FLSO11000040297	1/2 - 1 Mile SSE
AI156	FLSA11000023904	1/2 - 1 Mile NNE
AF157	FLSA11000022085	1/2 - 1 Mile NE
AA158	FLSO11000002151	1/2 - 1 Mile SSE
AI159	FLSA11000023902	1/2 - 1 Mile NNE
AI160	FLSA11000023905	1/2 - 1 Mile NNE
AJ161	FLSO11000008472	1/2 - 1 Mile WNW
AJ162	FLSO11000008473	1/2 - 1 Mile WNW
AJ163	FLSO11000008474	1/2 - 1 Mile WNW
AD164	FLSA11000020094	1/2 - 1 Mile SSE
AA165	FLSA11000063247	1/2 - 1 Mile SSE
AI166	FLSA11000023965	1/2 - 1 Mile NNE
AG167	FLSA11000015451	1/2 - 1 Mile SSE
AF168	FLSA11000022078	1/2 - 1 Mile NE
AA169	FLSA11000020101	1/2 - 1 Mile SE
AK170	FLSA11000020100	1/2 - 1 Mile SE
AI171	FLSA11000023964	1/2 - 1 Mile NNE
AD172	FLSA11000020096	1/2 - 1 Mile SSE
AI173	FLSA11000023962	1/2 - 1 Mile NNE
AG174	FLSA11000021950	1/2 - 1 Mile SSE
AI175	FLSA11000023963	1/2 - 1 Mile NNE
AL176	FLSA11000017323	1/2 - 1 Mile South
AI177	FLSA11000023961	1/2 - 1 Mile NNE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

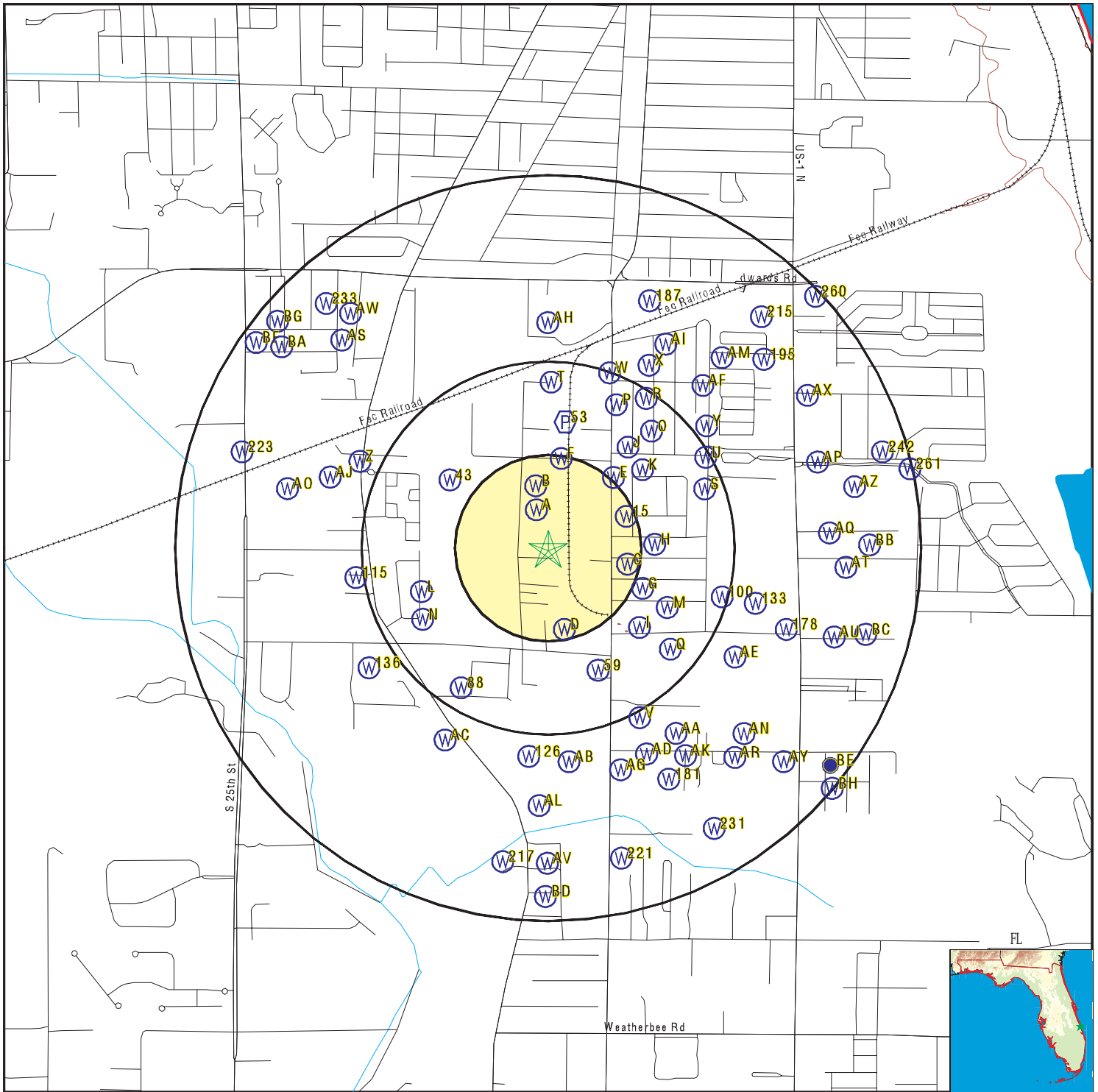
MAP ID	WELL ID	LOCATION FROM TP
178	FLSA11000063240	1/2 - 1 Mile ESE
AM179	FLSO11000051121	1/2 - 1 Mile NE
AK180	FLSA11000020099	1/2 - 1 Mile SSE
181	FLSA11000020098	1/2 - 1 Mile SSE
AM182	FLSA11000022086	1/2 - 1 Mile NE
AN183	FLSO11000021247	1/2 - 1 Mile SE
AN184	FLSO11000021246	1/2 - 1 Mile SE
AN185	FLSA11000015442	1/2 - 1 Mile SE
AO186	FLSA11000003683	1/2 - 1 Mile WNW
187	FLSO11000038033	1/2 - 1 Mile NNE
AL188	FLSA11000021945	1/2 - 1 Mile South
AP189	FLSO11000011533	1/2 - 1 Mile ENE
AO190	FLSO11000017814	1/2 - 1 Mile WNW
AQ191	FLSO11000005713	1/2 - 1 Mile East
AR192	FLSA11000015441	1/2 - 1 Mile SE
AR193	FLSA11000020102	1/2 - 1 Mile SE
AQ194	FLSO11000005712	1/2 - 1 Mile East
195	FLSO11000024359	1/2 - 1 Mile NE
AS196	FLSO11000003257	1/2 - 1 Mile NW
AN197	FLSA11000073910	1/2 - 1 Mile SE
AT198	FLSA11000017391	1/2 - 1 Mile East
AT199	FLSA11000017390	1/2 - 1 Mile East
AR200	FLSA11000063250	1/2 - 1 Mile SE
AU201	FLSA11000015448	1/2 - 1 Mile ESE
AQ202	FLSO11000005711	1/2 - 1 Mile East
AV203	FLSA11000021921	1/2 - 1 Mile South
AW204	FLSO11000003260	1/2 - 1 Mile NW
AP205	FLSO11000006520	1/2 - 1 Mile ENE
AS206	FLSO11000003259	1/2 - 1 Mile NW
AX207	FLSO11000006521	1/2 - 1 Mile ENE
AT208	FLSO11000048602	1/2 - 1 Mile East
AX209	FLSO11000013251	1/2 - 1 Mile ENE
AU210	FLSA11000017387	1/2 - 1 Mile ESE
AY211	FLSA11000063249	1/2 - 1 Mile SE
AZ212	FLSO11000011353	1/2 - 1 Mile ENE
AZ213	FLSO11000011354	1/2 - 1 Mile ENE
AT214	FLSA11000017392	1/2 - 1 Mile East
215	FLSO11000004771	1/2 - 1 Mile NE
AW216	FLSO11000003258	1/2 - 1 Mile NW
217	FLSA11000020074	1/2 - 1 Mile South
AY218	FLSO11000023887	1/2 - 1 Mile SE
AY219	FLSA11000073911	1/2 - 1 Mile SE
BA220	FLSA11000021967	1/2 - 1 Mile NW
221	FLSA11000021951	1/2 - 1 Mile SSE
BB222	FLSA11000017393	1/2 - 1 Mile East
223	FLSO11000006263	1/2 - 1 Mile WNW
AV224	FLSA11000021957	1/2 - 1 Mile South
AV225	FLSA11000021958	1/2 - 1 Mile South
AV226	FLSA11000021956	1/2 - 1 Mile South
BB227	FLSA11000088181	1/2 - 1 Mile East
BB228	FLSO11000006514	1/2 - 1 Mile East
BA229	FLSA11000021968	1/2 - 1 Mile NW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BC230	FLSA11000017389	1/2 - 1 Mile ESE
231	FLSO11000040298	1/2 - 1 Mile SSE
AY232	FLSA11000015443	1/2 - 1 Mile SE
233	FLSO11000003256	1/2 - 1 Mile NW
BC234	FLSA11000017388	1/2 - 1 Mile ESE
BD235	FLSA11000021954	1/2 - 1 Mile South
BD236	FLSA11000021955	1/2 - 1 Mile South
BE237	FLSA11000015447	1/2 - 1 Mile SE
BA238	FLSA11000021969	1/2 - 1 Mile NW
BF239	FLSA11000021970	1/2 - 1 Mile WNW
BA241	FLSA11000021963	1/2 - 1 Mile NW
242	FLSO11000006519	1/2 - 1 Mile ENE
BG243	FLSA11000021965	1/2 - 1 Mile NW
BE244	FLSA11000073916	1/2 - 1 Mile SE
BF245	FLSA11000073981	1/2 - 1 Mile NW
BD246	FLSA11000021953	1/2 - 1 Mile South
BE247	FLSA11000021937	1/2 - 1 Mile SE
BF248	FLSA11000021971	1/2 - 1 Mile WNW
BG249	FLSA11000073982	1/2 - 1 Mile NW
BD250	FLSA11000020075	1/2 - 1 Mile South
BG251	FLSA11000021964	1/2 - 1 Mile NW
BD252	FLSA11000021952	1/2 - 1 Mile South
BE253	FLSA11000073915	1/2 - 1 Mile SE
BE254	FLSA11000021941	1/2 - 1 Mile SE
BE255	FLSA11000021935	1/2 - 1 Mile SE
BF256	FLSA11000073980	1/2 - 1 Mile NW
BE257	FLSA11000021936	1/2 - 1 Mile SE
BE258	FLSA11000021940	1/2 - 1 Mile SE
BF259	FLSA11000073979	1/2 - 1 Mile NW
260	FLSO11000006250	1/2 - 1 Mile NE
261	FLSO11000011532	1/2 - 1 Mile ENE
BH262	FLSA11000021934	1/2 - 1 Mile SE
BH263	FLSA11000021933	1/2 - 1 Mile SE

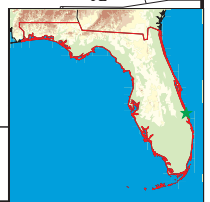
# PHYSICAL SETTING SOURCE MAP - 5404436.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Sink holes
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



**SITE NAME:** We Buy Scrap, LLC  
**ADDRESS:** 1237 Grose Road  
 Fort Pierce FL 34982  
**LAT/LONG:** 27.400406 / 80.336631

**CLIENT:** Enercon Services  
**CONTACT:** Christopher Kling, FCEA, LEP  
**INQUIRY #:** 5404436.2s  
**DATE:** August 24, 2018 11:10 am

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**NNW**  
**0 - 1/8 Mile**  
**Higher**

**FL WELLS      FLSA11000020048**

Database:	Super Act Program Well Data	FI Well ID:	AAF1219
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1219	Sanitary Seal:	Yes
Well Name:	KAUFF'S TRANSPORTATION-CONNECTED TO PW	Large PWS Well:	0
WSRP ID:	CONNECTED TO PW	WSRP ID:	560004601
Resident Type:	Not Reported	Potable Status:	NON-POTABLE
		PWS Design:	0

**A2**  
**North**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSO11000007988**

Database:	Water Supply Permitted Facility Database (South District)		
SFWM Permit #:	56-01968-W	Application #:	040609-4
Permit Type:	General	Project Name:	DOYLE PROPERTIES OFFICE / WAREHOUSE
Land Use:	Landscape	Acres Served:	.55
Facility ID:	153264	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	50	Intake Depth:	0
Intake Elevation:	0	Well Depth:	90
Casing Depth:	75	Well Use:	Production
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**B3**  
**NNW**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000020049**

Database:	Super Act Program Well Data	FI Well ID:	AAF1220
Well Type:	42	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1220	Sanitary Seal:	Yes
Well Name:	MULLINS INC	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP ID:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**C4**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000023941**

Database:	Super Act Program Well Data	FI Well ID:	AAF9271
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JAMES HATFIELD	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**B5**  
**North**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000063291**

Database:	Super Act Program Well Data	FI Well ID:	560005401
Well Type:	43	Status:	ERROR
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560005401	WSRP Action:	NO ACTION AT THI
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C6**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000023947**

Database:	Super Act Program Well Data	FI Well ID:	AAF9277
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	STANLEY BREDEMEYER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C7**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000024180**

Database:	Super Act Program Well Data	FI Well ID:	AAG1420
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	QUADPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**D8**  
**SSE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSO1100009296**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01749-W	Application #:	030602-9
Permit Type:	General	Project Name:	TAYLOR INVESTMENT GROUP
Land Use:	Landscape	Acres Served:	.1
Facility ID:	133911	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	20	Intake Depth:	0
Intake Elevation:	0	Well Depth:	75
Casing Depth:	65	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**C9**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000024179**

Database:	Super Act Program Well Data	FI Well ID:	AAG1419
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENCE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C10**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000023942**

Database:	Super Act Program Well Data	FI Well ID:	AAF9272
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOHN STALLINGS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E11**  
**NE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000020054**

Database:	Super Act Program Well Data	FI Well ID:	AAF1225
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1225	Sanitary Seal:	Yes
Well Name:	CLAY'S ASPHALT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**E12**  
**NE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000020053**

Database:	Super Act Program Well Data	FI Well ID:	AAF1224
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1224	Sanitary Seal:	Yes
Well Name:	CASON A/C RADIATOR	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C13**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000024174**

Database:	Super Act Program Well Data	FI Well ID:	AAG1414
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**F14**  
**North**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000020050**

Database:	Super Act Program Well Data	FI Well ID:	AAF1221
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	AAF1221	Sanitary Seal:	Yes
Well Name:	CONTECH ENGINEERED SOLUTE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**15  
ENE  
1/8 - 1/4 Mile  
Higher**

**FL WELLS      FLSA11000084992**

Database:	Super Act Program Well Data	FI Well ID:	AAK8006
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**C16  
East  
1/8 - 1/4 Mile  
Higher**

**FL WELLS      FLSA11000023948**

Database:	Super Act Program Well Data	FI Well ID:	AAF9278
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DANIEL KITTRELL	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C17  
ESE  
1/8 - 1/4 Mile  
Higher**

**FL WELLS      FLSA11000073629**

Database:	Super Act Program Well Data	FI Well ID:	AAK4472
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	KING	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**D18**  
**South**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000063271**

Database:	Super Act Program Well Data	FI Well ID:	560002801
Well Type:	50	Status:	ACTIVE
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560002801	WSRP Action:	UNFILTERED
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C19**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000023943**

Database:	Super Act Program Well Data	FI Well ID:	AAF9273
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ORION INDUSTRIES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**E20**  
**NE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSO11000016799**

Database:	Water Supply Permitted Facility Database (South District)		
SFWM Permit #:	56-02832-W	Application #:	080116-17
Permit Type:	General	Project Name:	BISCO
Land Use:	Public Water Supply	Acres Served:	.92
Facility ID:	219438	Facility Type:	WELL
Facility Name:	W-1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	50	Intake Depth:	0
Intake Elevation:	0	Well Depth:	80
Casing Depth:	70	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**C21**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000024175**

Database:	Super Act Program Well Data	FI Well ID:	AAG1415
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	VIRGIL HICKS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**C22**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000023944**

Database:	Super Act Program Well Data	FI Well ID:	AAF9274
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ORION INDUSTRIES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G23**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FL WELLS      FLSA11000024178**

Database:	Super Act Program Well Data	FI Well ID:	AAG1418
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G24**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020084**

Database:	Super Act Program Well Data	FI Well ID:	AAF1257
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GALE INSULATION	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G25  
ESE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000020085**

Database:	Super Act Program Well Data	FI Well ID:	AAF1258
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MONICA WOODS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**F26  
North  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000020051**

Database:	Super Act Program Well Data	FI Well ID:	AAF1222
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1222	Sanitary Seal:	Yes
Well Name:	WF ASSOCIATES	Large PWS Well:	0
WSRP ID:	560008901	WSRP Action:	NO ACTION AT THI
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**E27  
NNE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000020052**

Database:	Super Act Program Well Data	FI Well ID:	AAF1223
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1223	Sanitary Seal:	Yes
Well Name:	AMERIGAS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**H28**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023949**

Database:	Super Act Program Well Data	FI Well ID:	AAF9279
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DANIEL KITTRELL	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G29**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023945**

Database:	Super Act Program Well Data	FI Well ID:	AAF9275
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ORION INDUSTRIES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G30**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024177**

Database:	Super Act Program Well Data	FI Well ID:	AAG1417
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	VICTOR CONCHA	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G31**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024176**

Database:	Super Act Program Well Data	FI Well ID:	AAG1416
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**E32**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000084993**

Database:	Super Act Program Well Data	FI Well ID:	AAK8005
Well Type:	50	Status:	ACTIVE
Casing Material:	GALVANIZED	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	OWNER
PWS Design:	0		

**G33**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020086**

Database:	Super Act Program Well Data	FI Well ID:	AAF1259
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**E34**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024214**

Database:	Super Act Program Well Data	FI Well ID:	AAG1455
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**H35**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023946**

Database:	Super Act Program Well Data	FI Well ID:	AAF9276
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	NAGI HANNA	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**E36**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024211**

Database:	Super Act Program Well Data	FI Well ID:	AAG1452
Well Type:	42	Status:	ERROR
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	VANDENBURG	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**H37**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023950**

Database:	Super Act Program Well Data	FI Well ID:	AAF9280
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DONALD ARENDT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**G38**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024181**

Database:	Super Act Program Well Data	FI Well ID:	AAG1421
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	KIM LACHAR	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**I39**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024182**

Database:	Super Act Program Well Data	FI Well ID:	AAG1422
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CASH AND CARRY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**I40**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000069738**

Database:	Super Act Program Well Data	FI Well ID:	AAG3489
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GOODMAN MANUFACTURING	Large PWS Well:	0
WSRP ID:	560013001	WSRP Action:	UNFILTERED
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J41**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024205**

Database:	Super Act Program Well Data	FI Well ID:	AAG1446
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**J42**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024212**

Database:	Super Act Program Well Data	FI Well ID:	AAG1453
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**43**  
**NW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSO11000014169**

Database:	Water Supply Permitted Facility Database (South District)		
SFWM Permit #:	56-02600-W	Application #:	070731-27
Permit Type:	General	Project Name:	84 LUMBER
Land Use:	Landscape	Acres Served:	3.04
Facility ID:	196559	Facility Type:	PUMP
Facility Name:	1	Pump Type:	Centrifugal
Pump Diameter:	2	Well Diameter:	0
Pump Capacity:	50	Intake Depth:	0
Intake Elevation:	8	Well Depth:	0
Casing Depth:	0	Well Use:	Production
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	On-site Lake(s)		

**K44**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000063310**

Database:	Super Act Program Well Data	FI Well ID:	560010101
Well Type:	0	Status:	RETAGGED
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560010101	WSRP Action:	NO ACTION AT THI
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**G45**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020088**

Database:	Super Act Program Well Data	FI Well ID:	AAF1261
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**K46**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024213**

Database:	Super Act Program Well Data	FI Well ID:	AAG1454
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J47**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024206**

Database:	Super Act Program Well Data	FI Well ID:	AAG1447
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MULTIPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L48**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023900**

Database:	Super Act Program Well Data	FI Well ID:	AAF9230
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	SHIRLEY OPALEWSKI	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J49**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024209**

Database:	Super Act Program Well Data	FI Well ID:	AAG1450
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MULTIPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L50**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023899**

Database:	Super Act Program Well Data	FI Well ID:	AAF9229
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOSEPH BAUER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J51**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024207**

Database:	Super Act Program Well Data	FI Well ID:	AAG1448
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**M52**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020087**

Database:	Super Act Program Well Data	FI Well ID:	AAF1260
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ATLANTIC BUILDING MATERIALS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**53**  
**North**  
**1/4 - 1/2 Mile**  
**Higher**

**FRDS PWS      FL4565015**

Epa region:	04	State:	FL
Pwsid:	FL4565015	Pwsname:	OLEANDER BUSINESS PARK
Cityserved:	Not Reported	Stateserved:	FL
Zipserved:	Not Reported	Fipscounty:	12111
Status:	Closed	Retpopsrvd:	50
Pwssvconn:	3	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	Not Reported	Contactorgname:	Not Reported
Contactphone:	407-461-4356	Contactaddress1:	3257 OLEANDER AVENUE
Contactaddress2:	Not Reported	Contactcity:	FORT PIERCE
Contactstate:	FL	Contactzip:	34982
Pwsactivitycode:	I		
PWS ID:	FL4565015	PWS type:	System Owner/Responsible Party
PWS name:	WILLIAM WHITEHEAD, PARTNER	PWS address:	2000 S. OCEAN BLVD, #208
PWS address:	SEE 1	PWS state:	FL
PWS city:	DELRAY	PWS ID:	FL4565015
PWS zip:	33483	Date system activated:	Not Reported
Activity status:	Active	Retail population:	00000050
Date system deactivated:	Not Reported	System address:	Not Reported
System name:	OLEANDER BUSINESS PARK	System city:	FORT PIERCE
System address:	3257 OLEANDER AVENUE	System zip:	34982
System state:	FL		
Population served:	Under 101 Persons	Treatment:	Treated
Latitude:	272418	Longitude:	0802010
Latitude:	272418	Longitude:	0802010

**M54**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020089**

Database:	Super Act Program Well Data	FI Well ID:	AAF1262
Well Type:	42	Status:	ACTIVE

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DAVID CAULEY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L55**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023898**

Database:	Super Act Program Well Data	FI Well ID:	AAF9228
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MS STOKES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**M56**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020090**

Database:	Super Act Program Well Data	FI Well ID:	AAF1263
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	TRYON PLUMBING & SOLAR	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J57**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024208**

Database:	Super Act Program Well Data	FI Well ID:	AAG1449
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MICHAEL PRIVETT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**J58**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023926**

Database:	Super Act Program Well Data	FI Well ID:	AAF9256
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	OLEANDER PLAZA	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**59**  
**SSE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000063243**

Database:	Super Act Program Well Data	FI Well ID:	560000401
Well Type:	40	Status:	ABANDONED
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560000401	WSRP Action:	UNFILTERED
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**160**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020093**

Database:	Super Act Program Well Data	FI Well ID:	AAF1266
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOHNSTONE SUPPLY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L61**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023894**

Database:	Super Act Program Well Data	FI Well ID:	AAF9224
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GLENN CRAINE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L62**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023897**

Database:	Super Act Program Well Data	FI Well ID:	AAF9227
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOYCE WILSON	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J63**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024210**

Database:	Super Act Program Well Data	FI Well ID:	AAG1451
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L64**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023896**

Database:	Super Act Program Well Data	FI Well ID:	AAF9226
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MS RAY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**M65**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020091**

Database:	Super Act Program Well Data	FI Well ID:	AAF1264
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Raw
Well Name:	THUNDER ROAD CYCLES INC	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**N66**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023892**

Database:	Super Act Program Well Data	FI Well ID:	AAF9222
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CRANE RESIDENCE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L67**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023895**

Database:	Super Act Program Well Data	FI Well ID:	AAF9225
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	KAREN KUHNER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**L68**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023893**

Database:	Super Act Program Well Data	FI Well ID:	AAF9223
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	HARRY HARDMAN	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**M69  
ESE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000020092**

Database:	Super Act Program Well Data	FI Well ID:	AAF1265
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CREATIIVE KITCHEN CENTER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J70  
NNE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000023925**

Database:	Super Act Program Well Data	FI Well ID:	AAF9255
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BIBOW RESIDENCE	Large PWS Well:	0
WSRP ID:	560011001	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**J71  
NNE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000023924**

Database:	Super Act Program Well Data	FI Well ID:	AAF9254
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	OLEANDER APTS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**O72**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017316**

Database:	Super Act Program Well Data	FI Well ID:	AAE6102
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LANA GAINES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**N73**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023891**

Database:	Super Act Program Well Data	FI Well ID:	AAF9221
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	PARKS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**P74**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023921**

Database:	Super Act Program Well Data	FI Well ID:	AAF9251
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	UNITED PARCEL SERVICE CONNECTED TO PW	Large PWS Well:	0
Large PWS Well:	0	WSRP ID:	Not Reported
WSRP Action:	Not Reported	Potable Status:	NON-POTABLE
Resident Type:	Not Reported	PWS Design:	0

**O75**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017314**

Database:	Super Act Program Well Data	FI Well ID:	AAE6100
Well Type:	50	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**O76**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017315**

Database:	Super Act Program Well Data	FI Well ID:	AAE6101
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JAMES HATFIELD	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**P77**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000084426**

Database:	Super Act Program Well Data	FI Well ID:	AAK8001
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	OWNER
PWS Design:	0		

**Q78**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSO11000038446**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	130315-2
SFWM Permit #:	56-03281-W	Project Name:	FT PIERCE FARMERS MARKET
Permit Type:	General	Acres Served:	2
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	265175	Pump Type:	Centrifugal
Facility Name:	Well 1	Well Diameter:	4
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	120	Well Depth:	50
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	30	Facility Type:	Irrigation
Facility Status:	Existing		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**P79**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023928**

Database:	Super Act Program Well Data	FI Well ID:	AAF9258
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RALPH ST. LAWRENCE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**O80**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017322**

Database:	Super Act Program Well Data	FI Well ID:	AAE6108
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	FRANKLIN ORR	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**O81**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017317**

Database:	Super Act Program Well Data	FI Well ID:	AAE6103
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**P82**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000084427**

Database:	Super Act Program Well Data	FI Well ID:	AAK8000
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**O83**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023930**

Database:	Super Act Program Well Data	FI Well ID:	AAF9260
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JEFF SPODICK	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**R84**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023929**

Database:	Super Act Program Well Data	FI Well ID:	AAF9259
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOHN HUGHES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**S85**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023881**

Database:	Super Act Program Well Data	FI Well ID:	AAF9210
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	560007901	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**T86**  
**North**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020046**

Database:	Super Act Program Well Data	FI Well ID:	AAF1217
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1217	Sanitary Seal:	Yes
Well Name:	KELLY BROS	Large PWS Well:	0
WSRP ID:	560004201	WSRP Action:	CONNECTED TO PW
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**Q87**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000024183**

Database:	Super Act Program Well Data	FI Well ID:	AAG1423
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RIO INDIO FRUIT COMPANY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**88**  
**SSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000021942**

Database:	Super Act Program Well Data	FI Well ID:	AAF4952
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	WHITE CITY CEMETERY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**S89**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023880**

Database:	Super Act Program Well Data	FI Well ID:	AAF9209
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	560008301	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**S90**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023879**

Database:	Super Act Program Well Data	FI Well ID:	AAF9208
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LEONEL TORRES	Large PWS Well:	0
WSRP ID:	560008401	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**O91**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017318**

Database:	Super Act Program Well Data	FI Well ID:	AAE6104
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	THOMAS GOODEN	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**T92**  
**North**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000020047**

Database:	Super Act Program Well Data	FI Well ID:	AAF1218
Well Type:	50	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	AAF1218	Sanitary Seal:	Yes
Well Name:	KELLY BROS-CONNECTED PW-IRRIGATION WELL	Large PWS Well:	0
Large PWS Well:	0	WSRP ID:	Not Reported
WSRP Action:	Not Reported	Potable Status:	NON-POTABLE
Resident Type:	Not Reported	PWS Design:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**S93**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023878**

Database:	Super Act Program Well Data	FI Well ID:	AAF9207
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DASHA STOUSSAINC	Large PWS Well:	0
WSRP ID:	560008701	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**S94**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023877**

Database:	Super Act Program Well Data	FI Well ID:	AAF9206
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	560007801	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**P95**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSO11000016996**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	061011-12
SFWM Permit #:	56-02555-W	Project Name:	OLEANDER AVENUE CHURCH OF GOD
Permit Type:	General	Acres Served:	.5
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	195597	Pump Type:	Centrifugal
Facility Name:	W-1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	7
Pump Capacity:	65	Well Depth:	75
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	70	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**U96**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023876**

Database:	Super Act Program Well Data	FI Well ID:	AAF9205
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	560008201	WSRP Action:	UNFILTERED
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**U97**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023875**

Database:	Super Act Program Well Data	FI Well ID:	AAF9204
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DALE ERNSBERGER	Large PWS Well:	0
WSRP ID:	560008601	WSRP Action:	UNFILTERED
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**R98**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023927**

Database:	Super Act Program Well Data	FI Well ID:	AAF9257
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BETTY BROWN	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**R99**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017320**

Database:	Super Act Program Well Data	FI Well ID:	AAE6106
Well Type:	42	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**100  
ESE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSO11000010947**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02631-W	Application #:	060412-8
Permit Type:	General	Project Name:	DICKSON HOLDINGS
Land Use:	Landscape	Acres Served:	.98
Facility ID:	197906	Facility Type:	WELL
Facility Name:	W	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	100	Intake Depth:	0
Intake Elevation:	0	Well Depth:	110
Casing Depth:	100	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**V101  
SSE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSA11000021949**

Database:	Super Act Program Well Data	FI Well ID:	AAF4959
Well Type:	43	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LOMA HOWERTON	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**W102  
NNE  
1/4 - 1/2 Mile  
Higher**

**FL WELLS      FLSO11000052897**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-03392-W	Application #:	150225-7
Permit Type:	General	Project Name:	CHAMBERS TRUSS
Land Use:	Public Water Supply	Acres Served:	4.4
Facility ID:	270442	Facility Type:	WELL
Facility Name:	Well--abandon	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	0	Intake Depth:	1
Intake Elevation:	0	Well Depth:	120
Casing Depth:	100	Well Use:	Abandoned
Facility Status:	Abandoned	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**W103**  
**NNE**  
 1/4 - 1/2 Mile  
 Higher

**FL WELLS      FLSO11000052898**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-03392-W	Application #:	150225-7
Permit Type:	General	Project Name:	CHAMBERS TRUSS
Land Use:	Public Water Supply	Acres Served:	4.4
Facility ID:	270428	Facility Type:	WELL
Facility Name:	Well-1 Replacement	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	25	Intake Depth:	1
Intake Elevation:	0	Well Depth:	85
Casing Depth:	75	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**W104**  
**NNE**  
 1/4 - 1/2 Mile  
 Higher

**FL WELLS      FLSA11000023922**

Database:	Super Act Program Well Data	FI Well ID:	AAF9252
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CHAMBERS TRUSS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**V105**  
**SSE**  
 1/4 - 1/2 Mile  
 Higher

**FL WELLS      FLSA11000021946**

Database:	Super Act Program Well Data	FI Well ID:	AAF4956
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BARREL RD STORAGE	Large PWS Well:	0
WSRP ID:	560005701	WSRP Action:	CONNECTED TO PW
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**R106**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000017321**

Database:	Super Act Program Well Data	FI Well ID:	AAE6107
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CESAR FLORES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**W107**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FL WELLS      FLSA11000023957**

Database:	Super Act Program Well Data	FI Well ID:	AAF9287
Well Type:	50	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	OLEANDER AVE CHURCH OF GOD	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**W108**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000084424**

Database:	Super Act Program Well Data	FI Well ID:	AAK8003
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CHURCH OF GOD	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**X109**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000084425**

Database:	Super Act Program Well Data	FI Well ID:	AAK8002
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**W110**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023923**

Database:	Super Act Program Well Data	FI Well ID:	AAF9253
Well Type:	50	Status:	ABANDONED
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ROSS BROTHERS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**R111**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017319**

Database:	Super Act Program Well Data	FI Well ID:	AAE6105
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ANTONIO HURTADO	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**U112**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023874**

Database:	Super Act Program Well Data	FI Well ID:	AAF9203
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	560008501	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**X113**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023958**

Database:	Super Act Program Well Data	FI Well ID:	AAF9288
Well Type:	43	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GARY PASCHAL(EST)	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**Y114**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023873**

Database:	Super Act Program Well Data	FI Well ID:	AAF9202
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ARNITA SCOTT	Large PWS Well:	0
WSRP ID:	560008101	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**115**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000010281**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	040223-1
SFWM Permit #:	56-01876-W	Project Name:	HORIZON COMMUNITY CHURCH
Permit Type:	General	Acres Served:	1
Land Use:	Public Water Supply	Facility Type:	WELL
Facility ID:	147724	Pump Type:	Jet
Facility Name:	Well 1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	15	Well Depth:	75
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	65	Facility Type:	Public Water Supply
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**X116**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000084423**

Database:	Super Act Program Well Data	FI Well ID:	AAK8004
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**V117**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021948**

Database:	Super Act Program Well Data	FI Well ID:	AAF4958
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	HAWKINS PAVING	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**Z118**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000009461**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	040330-13
SFWMID Permit #:	56-01904-W	Project Name:	MAGNOLIA SQUARE
Permit Type:	General	Acres Served:	10.86
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	152544	Pump Type:	Centrifugal
Facility Name:	Well 1	Well Diameter:	8
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	300	Well Depth:	90
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	0	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**Y119**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023872**

Database:	Super Act Program Well Data	FI Well ID:	AAF9201
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CRENSHAW RESIDENCE	Large PWS Well:	0
WSRP ID:	560008001	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**Y120**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022083**

Database:	Super Act Program Well Data	FI Well ID:	AAF5093
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GIL	Large PWS Well:	0
WSRP ID:	560016701	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**X121**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023910**

Database:	Super Act Program Well Data	FI Well ID:	AAF9240
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JANICE HICKS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**Y122**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000088182**

Database:	Super Act Program Well Data	FI Well ID:	AAK8015
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560015601	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	OPERATOR
PWS Design:	0		

**AA123**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021947**

Database:	Super Act Program Well Data	FI Well ID:	AAF4957
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	INTERLINE VAULTS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**X124**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023959**

Database:	Super Act Program Well Data	FI Well ID:	AAF9289
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ROBERT PINAULT	Large PWS Well:	0
WSRP ID:	560009401	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**V125**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000009052**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	041110-4
SFWM Permit #:	56-02115-W	Project Name:	THOMPSON WAREHOUSE
Permit Type:	General	Acres Served:	1.28
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	164027	Pump Type:	Centrifugal
Facility Name:	Well	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	40	Well Depth:	80
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	80	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**126**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000106563**

Database:	Super Act Program Well Data	FI Well ID:	AAK4486
Well Type:	43	Status:	ACTIVE
Casing Material:	Not Reported	Well Depth:	0
Casing Length:	0	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	YES
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560014001	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	RESIDENT
PWS Design:	0		

**AB127**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000008879**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMID Permit #:	56-02031-W	Application #:	040503-5
Permit Type:	General	Project Name:	JFK LAND CORPORATION
Land Use:	Landscape	Acres Served:	.97
Facility ID:	156777	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	34	Intake Depth:	0
Intake Elevation:	0	Well Depth:	90
Casing Depth:	75	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**X128**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023960**

Database:	Super Act Program Well Data	FI Well ID:	AAF9290
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**X129**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000041449**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-03204-W	Application #:	111215-1
Permit Type:	General	Project Name:	BARBARA STEEL
Land Use:	Public Water Supply	Acres Served:	1
Facility ID:	261259	Facility Type:	WELL
Facility Name:	Well 3	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	20	Intake Depth:	0
Intake Elevation:	0	Well Depth:	100
Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**X130**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000041450**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-03204-W	Application #:	111215-1
Permit Type:	General	Project Name:	BARBARA STEEL
Land Use:	Public Water Supply	Acres Served:	1
Facility ID:	261258	Facility Type:	WELL
Facility Name:	Well 2	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	20	Intake Depth:	0
Intake Elevation:	0	Well Depth:	100
Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**X131**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000041451**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-03204-W	Application #:	111215-1
Permit Type:	General	Project Name:	BARBARA STEEL
Land Use:	Public Water Supply	Acres Served:	1
Facility ID:	261257	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	20	Intake Depth:	0
Intake Elevation:	0	Well Depth:	80
Casing Depth:	60	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**Z132**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000008471**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02560-W	Application #:	060725-20
Permit Type:	General	Project Name:	SUNRISE LAKES
Land Use:	Landscape	Acres Served:	10.54
Facility ID:	196001	Facility Type:	WELL
Facility Name:	4	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	25	Intake Depth:	0
Intake Elevation:	0	Well Depth:	100
Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**133**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000011950**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02371-W	Application #:	060203-20
Permit Type:	General	Project Name:	B & B WAREHOUSES
Land Use:	Landscape	Acres Served:	.75
Facility ID:	191264	Facility Type:	WELL
Facility Name:	1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	100	Intake Depth:	0
Intake Elevation:	0	Well Depth:	110
Casing Depth:	100	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**X134**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023907**

Database:	Super Act Program Well Data	Fl Well ID:	AAF9237
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BARBARA STEELE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AC135**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021943**

Database:	Super Act Program Well Data	FI Well ID:	AAF4953
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	REGINA CHILDS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**136**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000025600**

Database:	Water Supply Permitted Facility Database (South District)		
SFWM Permit #:	56-03119-W	Application #:	080814-13
Permit Type:	General	Project Name:	FORT PIERCE MOSQUE
Land Use:	Landscape	Acres Served:	1.31
Facility ID:	258312	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Submersible
Pump Diameter:	0	Well Diameter:	4
Pump Capacity:	100	Intake Depth:	120
Intake Elevation:	0	Well Depth:	130
Casing Depth:	100	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**X137**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023906**

Database:	Super Act Program Well Data	FI Well ID:	AAF9236
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BARBARA STEELE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AD138**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000020095**

Database:	Super Act Program Well Data	FI Well ID:	AAF1268
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ABSOLUTE SANDBLASTING	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AE139**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000063272**

Database:	Super Act Program Well Data	FI Well ID:	560002901
Well Type:	42	Status:	ERROR
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560002901	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AE140**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000063273**

Database:	Super Act Program Well Data	FI Well ID:	560002902
Well Type:	42	Status:	ERROR
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560002902	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**X141**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023909**

Database:	Super Act Program Well Data	FI Well ID:	AAF9239
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	SANDRA JAME	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**X142**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023908**

Database:	Super Act Program Well Data	FI Well ID:	AAF9238
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MARIA GOMEZ	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AF143**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022080**

Database:	Super Act Program Well Data	FI Well ID:	AAF5090
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	560017101	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AB144**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000009635**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	041209-12
SFWM Permit #:	56-02133-W	Project Name:	BILTMORE COMMERCIAL PARK
Permit Type:	General	Acres Served:	1.5
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	165217	Pump Type:	Jet
Facility Name:	Well 1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	47
Pump Capacity:	22	Well Depth:	63
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	47	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**X145**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023903**

Database:	Super Act Program Well Data	FI Well ID:	AAF9233
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RESIDENT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AC146**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021944**

Database:	Super Act Program Well Data	FI Well ID:	AAF4954
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JASON CHILDS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AF147**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022081**

Database:	Super Act Program Well Data	FI Well ID:	AAF5091
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	560017001	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AF148**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022079**

Database:	Super Act Program Well Data	FI Well ID:	AAF5089
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DUPLEX	Large PWS Well:	0
WSRP ID:	560016801	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AG149**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000015450**

Database:	Super Act Program Well Data	FI Well ID:	AAE2645
Well Type:	50	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RUMMEL	Large PWS Well:	0
WSRP ID:	560005301	WSRP Action:	CONNECTED TO PW
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AF150**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022084**

Database:	Super Act Program Well Data	FI Well ID:	AAF5094
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MARY JOHNSON	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AH151**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000012412**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	090716-4
SFWMD Permit #:	56-03015-W	Project Name:	ST LUCIE COUNTY MOSQUITO CONTROL DIST
Permit Type:	General	Acres Served:	1
Land Use:	Industrial	Facility Type:	WELL
Facility ID:	230622	Pump Type:	Jet
Facility Name:	Well 1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	25	Well Depth:	120
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	100	Facility Type:	Inudtrial
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AH152**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000012413**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-03015-W	Application #:	090716-4
Permit Type:	General	Project Name:	ST LUCIE COUNTY MOSQUITO CONTROL DISTRICT
Land Use:	Industrial	Acres Served:	1
Facility ID:	230622	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	25	Intake Depth:	0
Intake Elevation:	0	Well Depth:	120
Casing Depth:	100	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Aquaculture
Source:	Surficial Aquifer System		

**AA153**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000020097**

Database:	Super Act Program Well Data	FI Well ID:	AAF1270
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	TRUCK AND TRAILER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AI154**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023901**

Database:	Super Act Program Well Data	FI Well ID:	AAF9231
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DONALD CAESER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AD155**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000040297**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01729-W	Application #:	120725-5
Permit Type:	General	Project Name:	TROPIC SUPPLY
Land Use:	Public Water Supply	Acres Served:	4.57
Facility ID:	263199	Facility Type:	WELL
Facility Name:	Well 2	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	28	Intake Depth:	0
Intake Elevation:	0	Well Depth:	84
Casing Depth:	74	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AI156**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023904**

Database:	Super Act Program Well Data	FI Well ID:	AAF9234
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	WILZAIRE TOUSSAINT	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AF157**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022085**

Database:	Super Act Program Well Data	FI Well ID:	AAF5095
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MARY JOHNSON	Large PWS Well:	0
WSRP ID:	560016901	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AA158**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000002151**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01405-W	Application #:	990129-38
Permit Type:	General	Project Name:	W HEGAMYER
Land Use:	Public Water Supply	Acres Served:	1
Facility ID:	30368	Facility Type:	WELL
Facility Name:	Well	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	20	Intake Depth:	0
Intake Elevation:	0	Well Depth:	79
Casing Depth:	79	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AI159**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023902**

Database:	Super Act Program Well Data	FI Well ID:	AAF9232
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ARTHUR KELLY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AI160**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023905**

Database:	Super Act Program Well Data	FI Well ID:	AAF9235
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MAMIE LASANE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AJ161**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000008472**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02560-W	Application #:	060725-20
Permit Type:	General	Project Name:	SUNRISE LAKES
Land Use:	Landscape	Acres Served:	10.54
Facility ID:	196000	Facility Type:	WELL
Facility Name:	3	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	4
Pump Capacity:	200	Intake Depth:	0
Intake Elevation:	0	Well Depth:	100
Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation Water Replacement
Source:	Surficial Aquifer System		

**AJ162**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000008473**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02560-W	Application #:	060725-20
Permit Type:	General	Project Name:	SUNRISE LAKES
Land Use:	Landscape	Acres Served:	10.54
Facility ID:	195999	Facility Type:	PUMP
Facility Name:	2	Pump Type:	Centrifugal
Pump Diameter:	3	Well Diameter:	0
Pump Capacity:	130	Intake Depth:	0
Intake Elevation:	0	Well Depth:	0
Casing Depth:	0	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	On-site Lake(s)		

**AJ163**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000008474**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02560-W	Application #:	060725-20
Permit Type:	General	Project Name:	SUNRISE LAKES
Land Use:	Landscape	Acres Served:	10.54
Facility ID:	195998	Facility Type:	PUMP
Facility Name:	1	Pump Type:	Centrifugal
Pump Diameter:	3	Well Diameter:	0
Pump Capacity:	130	Intake Depth:	0
Intake Elevation:	0	Well Depth:	0
Casing Depth:	0	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	On-site Lake(s)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AD164**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000020094**

Database:	Super Act Program Well Data	FI Well ID:	AAF1267
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	TROPIC SUPPLY	Large PWS Well:	0
WSRP ID:	560014201	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AA165**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000063247**

Database:	Super Act Program Well Data	FI Well ID:	560000801
Well Type:	42	Status:	RETAGGED
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560000801	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AI166**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023965**

Database:	Super Act Program Well Data	FI Well ID:	AAF9295
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MR. YORK	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AG167**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000015451**

Database:	Super Act Program Well Data	FI Well ID:	AAE2646
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CIRCLE B TOOL	Large PWS Well:	0
WSRP ID:	560005201	WSRP Action:	CONNECTED TO PW
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AF168**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022078**

Database:	Super Act Program Well Data	FI Well ID:	AAF5088
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CASTRO	Large PWS Well:	0
WSRP ID:	560004501	WSRP Action:	NO ACTION AT THI
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AA169**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000020101**

Database:	Super Act Program Well Data	FI Well ID:	AAF1274
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	STEIN AND CO	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AK170**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000020100**

Database:	Super Act Program Well Data	FI Well ID:	AAF1273
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	B AND M LAWNMOWER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AI171**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023964**

Database:	Super Act Program Well Data	FI Well ID:	AAF9294
Well Type:	43	Status:	INACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MR. KRUSE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AD172**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000020096**

Database:	Super Act Program Well Data	FI Well ID:	AAF1269
Well Type:	42	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BUGS AND BUSES	Large PWS Well:	0
WSRP ID:	560014101	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AI173**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023962**

Database:	Super Act Program Well Data	FI Well ID:	AAF9292
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	FEROZ CHAGANI	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AG174**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021950**

Database:	Super Act Program Well Data	FI Well ID:	AAF4960
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ALL AUTO BODY	Large PWS Well:	0
WSRP ID:	560009101	WSRP Action:	NO ACTION AT THI
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AI175**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023963**

Database:	Super Act Program Well Data	FI Well ID:	AAF9293
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LLOYD SUTTERFIELD	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AL176**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000017323**

Database:	Super Act Program Well Data	FI Well ID:	AAE6109
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JUDY BIGLIN	Large PWS Well:	0
WSRP ID:	560014301	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AI177**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000023961**

Database:	Super Act Program Well Data	FI Well ID:	AAF9291
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RUBY MEIERS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**178**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000063240**

Database:	Super Act Program Well Data	FI Well ID:	560000101
Well Type:	50	Status:	ACTIVE
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560000101	WSRP Action:	UNFILTERED
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AM179**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000051121**

Database:	Water Supply Permitted Facility Database (South District)		
SFWM Permit #:	56-03548-W	Application #:	170310-3
Permit Type:	General	Project Name:	641 GLENVIEW
Land Use:	Public Water Supply	Acres Served:	.52
Facility ID:	276169	Facility Type:	WELL
Facility Name:	WELL	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	30	Intake Depth:	1
Intake Elevation:	0	Well Depth:	100
Casing Depth:	90	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AK180**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000020099**

Database:	Super Act Program Well Data	FI Well ID:	AAF1272
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LTA PRODUCTS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**181**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000020098**

Database:	Super Act Program Well Data	FI Well ID:	AAF1271
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ALLIED BUILDING PRODUCTS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AM182**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000022086**

Database:	Super Act Program Well Data	FI Well ID:	AAF5096
Well Type:	42	Status:	ABANDONED
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	SEALUND	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AN183**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000021247**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	070907-10
SFWM Permit #:	56-02760-W	Project Name:	COMMERCIAL TEAM INDUSTRIAL LLC
Permit Type:	General	Acres Served:	1
Land Use:	Public Water Supply	Facility Type:	WELL
Facility ID:	216948	Pump Type:	None
Facility Name:	Well 1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	0	Well Depth:	90
Intake Elevation:	0	Well Use:	To be Plugged and Abandoned
Casing Depth:	0	Facility Type:	Public Water Supply
Facility Status:	Existing		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AN184**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000021246**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02760-W	Application #:	070907-10
Permit Type:	General	Project Name:	COMMERCIAL TEAM INDUSTRIAL LLC
Land Use:	Public Water Supply	Acres Served:	1
Facility ID:	216949	Facility Type:	WELL
Facility Name:	Well 2	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	20	Intake Depth:	0
Intake Elevation:	0	Well Depth:	90
Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AN185**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000015442**

Database:	Super Act Program Well Data	FI Well ID:	AAE2637
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	PITTILLO	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AO186**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000003683**

Database:	Super Act Program Well Data	FI Well ID:	AAH8267
Well Type:	45	Status:	ACTIVE
Casing Material:	Not Reported	Well Depth:	0
Casing Length:	Not Reported	Casing Diameter:	Not Reported
Permit #:	4565032	Sanitary Seal:	Not Reported
Well Name:	TEACHER'S PLACE, THE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	1940		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**187**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000038033**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01040-W	Application #:	110316-12
Permit Type:	General	Project Name:	SOUTHEAST ELEVATOR, INC.
Land Use:	Landscape	Acres Served:	.25
Facility ID:	24194	Facility Type:	WELL
Facility Name:	WELL 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	25	Intake Depth:	0
Intake Elevation:	0	Well Depth:	70
Casing Depth:	60	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AL188**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021945**

Database:	Super Act Program Well Data	FI Well ID:	AAF4955
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JERRY FITZPATRICK	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AP189**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000011533**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02977-W	Application #:	080801-11
Permit Type:	General	Project Name:	HIGH POINT OF FT PIERCE
Land Use:	Landscape	Acres Served:	4.9
Facility ID:	226958	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	90	Intake Depth:	0
Intake Elevation:	0	Well Depth:	60
Casing Depth:	0	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AO190**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000017814**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02584-W	Application #:	061030-21
Permit Type:	General	Project Name:	TEACHER'S PLACE, INC. THE
Land Use:	Public Water Supply	Acres Served:	1
Facility ID:	196259	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	3
Pump Capacity:	25	Intake Depth:	0
Intake Elevation:	0	Well Depth:	77
Casing Depth:	67	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AQ191**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000005713**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01575-W	Application #:	011220-14
Permit Type:	General	Project Name:	BEV SMITH TOYOTA
Land Use:	Landscape	Acres Served:	1
Facility ID:	115795	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	40	Intake Depth:	0
Intake Elevation:	0	Well Depth:	70
Casing Depth:	60	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**AR192**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000015441**

Database:	Super Act Program Well Data	FI Well ID:	AAE2636
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOHN ROSELLI	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AR193**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000020102**

Database:	Super Act Program Well Data	FI Well ID:	AAF1275
Well Type:	42	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	R AND M ROOFING	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AQ194**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000005712**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01575-W	Application #:	011220-14
Permit Type:	General	Project Name:	BEV SMITH TOYOTA
Land Use:	Landscape	Acres Served:	1
Facility ID:	115796	Facility Type:	WELL
Facility Name:	Well 2	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	40	Intake Depth:	0
Intake Elevation:	0	Well Depth:	70
Casing Depth:	60	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**195**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000024359**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02803-W	Application #:	071121-6
Permit Type:	General	Project Name:	MARY MATHA PLAZA
Land Use:	Landscape	Acres Served:	.5
Facility ID:	218426	Facility Type:	WELL
Facility Name:	Mary Martha Plaza Well 1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	40	Intake Depth:	0
Intake Elevation:	0	Well Depth:	120
Casing Depth:	100	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AS196**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO1100003257**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01464-W	Application #:	000928-4
Permit Type:	General	Project Name:	FREEDOM PLASTICS
Land Use:	Landscape	Acres Served:	2
Facility ID:	102578	Facility Type:	WELL
Facility Name:	4	Pump Type:	Submersible
Pump Diameter:	0	Well Diameter:	4
Pump Capacity:	150	Intake Depth:	0
Intake Elevation:	0	Well Depth:	80
Casing Depth:	40	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**AN197**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000073910**

Database:	Super Act Program Well Data	FI Well ID:	AAK4478
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	A-1 CONSTRUCTION CO.	Large PWS Well:	0
WSRP ID:	560016401	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**AT198**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017391**

Database:	Super Act Program Well Data	FI Well ID:	AAE6179
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	AUTO RESCUE-DUPLEX	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AT199**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017390**

Database:	Super Act Program Well Data	FI Well ID:	AAE6178
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	AUTO RESCUE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AR200**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000063250**

Database:	Super Act Program Well Data	FI Well ID:	560001101
Well Type:	43	Status:	ERROR
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560001101	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AU201**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000015448**

Database:	Super Act Program Well Data	FI Well ID:	AAE2643
Well Type:	42	Status:	ABANDONED
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	TOTAL AUTO BODY	Large PWS Well:	0
WSRP ID:	560010601	WSRP Action:	CONNECTED TO PW
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AQ202**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000005711**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01575-W	Application #:	011220-14
Permit Type:	General	Project Name:	BEV SMITH TOYOTA
Land Use:	Landscape	Acres Served:	1

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility ID: 115797	Facility Type: WELL
Facility Name: Well 3	Pump Type: Centrifugal
Pump Diameter: 0	Well Diameter: 4
Pump Capacity: 40	Intake Depth: 0
Intake Elevation: 0	Well Depth: 100
Casing Depth: 80	Well Use: Primary
Facility Status: Proposed	Facility Type: Irrigation
Source: Surficial Aquifer System	

**AV203**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021921**

Database: Super Act Program Well Data	FI Well ID: AAF4931
Well Type: 43	Status: ACTIVE
Casing Material: Galvanized	Well Depth: Not Reported
Casing Length: Not Reported	Casing Diameter: 2
Permit #: Not Reported	Sanitary Seal: Yes
Well Name: RILEY BARNES	Large PWS Well: 0
WSRP ID: Not Reported	WSRP Action: Not Reported
Potable Status: POTABLE	Resident Type: Not Reported
PWS Design: 0	

**AW204**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000003260**

Database: Water Supply Permitted Facility Database (South District)	Application #: 000928-4
SFWMD Permit #: 56-01464-W	Project Name: FREEDOM PLASTICS
Permit Type: General	Acres Served: 2
Land Use: Landscape	Facility Type: WELL
Facility ID: 102575	Pump Type: Centrifugal
Facility Name: 1	Well Diameter: 4
Pump Diameter: 0	Intake Depth: 0
Pump Capacity: 100	Well Depth: 70
Intake Elevation: 0	Well Use: Primary
Casing Depth: 40	Facility Type: Irrigation
Facility Status: Existing	
Source: Surficial Aquifer System	

**AP205**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000006520**

Database: Water Supply Permitted Facility Database (South District)	Application #: 040611-6
SFWMD Permit #: 56-02167-W	Project Name: SAVANNAS OF FT PIERCE
Permit Type: General	Acres Served: 14.86
Land Use: Landscape	Facility Type: WELL
Facility ID: 168465	Pump Type: Centrifugal
Facility Name: W-2	Well Diameter: 2
Pump Diameter: 0	Intake Depth: 0
Pump Capacity: 65	Well Depth: 100
Intake Elevation: 0	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**AS206**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000003259**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	000928-4
SFWMD Permit #:	56-01464-W	Project Name:	FREEDOM PLASTICS
Permit Type:	General	Acres Served:	2
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	102576	Pump Type:	Centrifugal
Facility Name:	2	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	75	Well Depth:	70
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	40	Facility Type:	Irrigation
Facility Status:	Existing		
Source:	Surficial Aquifer System		

**AX207**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000006521**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	040611-6
SFWMD Permit #:	56-02167-W	Project Name:	SAVANNAS OF FT PIERCE
Permit Type:	General	Acres Served:	14.86
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	168464	Pump Type:	Centrifugal
Facility Name:	W-1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	65	Well Depth:	100
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	80	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

**AT208**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000048602**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	150513-6
SFWMD Permit #:	56-02332-W	Project Name:	M D R FLORIDA REALTY
Permit Type:	General	Acres Served:	5
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	190208	Pump Type:	Submersible
Facility Name:	Well 1	Well Diameter:	4
Pump Diameter:	0	Intake Depth:	63
Pump Capacity:	40	Well Depth:	120
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	90	Facility Type:	Irrigation
Facility Status:	Proposed		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source: Surficial Aquifer System

**AX209**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS**      **FLSO11000013251**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	080709-19
SFWMD Permit #:	56-02912-W	Project Name:	ARTI PROPERTIES - ECONOLOGGE
Permit Type:	General	Acres Served:	.5
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	223897	Pump Type:	Centrifugal
Facility Name:	Econo Hotel	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	1
Pump Capacity:	35	Well Depth:	76
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	63	Facility Type:	Irrigation
Facility Status:	Existing		
Source:	Surficial Aquifer System		

**AU210**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS**      **FLSA11000017387**

Database:	Super Act Program Well Data	FI Well ID:	AAE6175
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MCNAMARA	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AY211**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS**      **FLSA11000063249**

Database:	Super Act Program Well Data	FI Well ID:	560001001
Well Type:	43	Status:	ERROR
Casing Material:	Not Reported	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	0
Permit #:	Not Reported	Sanitary Seal:	Not Reported
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560001001	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AZ212**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000011353**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02581-W	Application #:	061206-9
Permit Type:	General	Project Name:	SOUTHLAND HOMES
Land Use:	Landscape	Acres Served:	7.5
Facility ID:	196331	Facility Type:	PUMP
Facility Name:	PUMP 2	Pump Type:	Centrifugal
Pump Diameter:	2	Well Diameter:	0
Pump Capacity:	200	Intake Depth:	0
Intake Elevation:	9	Well Depth:	0
Casing Depth:	0	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	On-site Lake(s) / Pond(s)		

**AZ213**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000011354**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02581-W	Application #:	061206-9
Permit Type:	General	Project Name:	SOUTHLAND HOMES
Land Use:	Landscape	Acres Served:	7.5
Facility ID:	196330	Facility Type:	PUMP
Facility Name:	PUMP 1	Pump Type:	Centrifugal
Pump Diameter:	2	Well Diameter:	0
Pump Capacity:	200	Intake Depth:	0
Intake Elevation:	9	Well Depth:	0
Casing Depth:	0	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	On-site Lake(s) / Pond(s)		

**AT214**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017392**

Database:	Super Act Program Well Data	FI Well ID:	AAE6180
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	EDWARD JONES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**215**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000004771**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01862-W	Application #:	040121-5
Permit Type:	General	Project Name:	FORT PIERCE STORAGE LTD
Land Use:	Landscape	Acres Served:	1
Facility ID:	146760	Facility Type:	WELL
Facility Name:	W-1	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	40	Intake Depth:	0
Intake Elevation:	0	Well Depth:	75
Casing Depth:	63	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**AW216**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000003258**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01464-W	Application #:	000928-4
Permit Type:	General	Project Name:	FREEDOM PLASTICS
Land Use:	Landscape	Acres Served:	2
Facility ID:	102577	Facility Type:	WELL
Facility Name:	3	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	75	Intake Depth:	0
Intake Elevation:	0	Well Depth:	65
Casing Depth:	40	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**217**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000020074**

Database:	Super Act Program Well Data	FI Well ID:	AAF1247
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Raw
Well Name:	HOLDEN,MELANIE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AY218**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000023887**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02835-W	Application #:	080114-9
Permit Type:	General	Project Name:	SALVATION ARMY
Land Use:	Landscape	Acres Served:	.25
Facility ID:	219670	Facility Type:	WELL
Facility Name:	well	Pump Type:	Submersible
Pump Diameter:	0	Well Diameter:	4
Pump Capacity:	25	Intake Depth:	63
Intake Elevation:	0	Well Depth:	140
Casing Depth:	120	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**AY219**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000073911**

Database:	Super Act Program Well Data	FI Well ID:	AAK4479
Well Type:	42	Status:	ACTIVE
Casing Material:	GALVANIZED	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	REAL STONE & GRANITE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**BA220**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021967**

Database:	Super Act Program Well Data	FI Well ID:	AAF4977
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BARBARA TESTA	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**221**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021951**

Database:	Super Act Program Well Data	FI Well ID:	AAF4961
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	WILLIAM BROWN	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BB222**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017393**

Database:	Super Act Program Well Data	FI Well ID:	AAE6181
Well Type:	50	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	EDWARD JONES	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**223**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000006263**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	030625-17
SFWM Permit #:	56-01875-W	Project Name:	25TH STREET FOUR LANING
Permit Type:	General	Acres Served:	4.4
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	147636	Pump Type:	Centrifugal
Facility Name:	W-1	Well Diameter:	4
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	90	Well Depth:	90
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	80	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**AV224**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021957**

Database:	Super Act Program Well Data	FI Well ID:	AAF4967
Well Type:	43	Status:	INACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	WILLIAM DEWSON	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AV225**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021958**

Database:	Super Act Program Well Data	FI Well ID:	AAF4968
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DAVIS RESIDENCE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**AV226**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021956**

Database:	Super Act Program Well Data	FI Well ID:	AAF4966
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GAIL GODWIN	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BB227**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000088181**

Database:	Super Act Program Well Data	FI Well ID:	AAK8016
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Not Reported	Large PWS Well:	0
WSRP ID:	560015701	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	OPERATOR
PWS Design:	0		

**BB228**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000006514**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	040521-18
SFWMD Permit #:	56-01948-W	Project Name:	211 SOUTH LAND DRIVE
Permit Type:	General	Acres Served:	.65
Land Use:	Public Water Supply	Facility Type:	WELL
Facility ID:	153082	Pump Type:	Centrifugal
Facility Name:	Well 1	Well Diameter:	2
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	50	Well Depth:	0
Intake Elevation:	0	Well Use:	Production
Casing Depth:	0	Facility Type:	Public Water Supply
Facility Status:	Existing		
Source:	Surficial Aquifer System		

**BA229**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021968**

Database:	Super Act Program Well Data	FI Well ID:	AAF4978
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	PAUL KECK	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BC230**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017389**

Database:	Super Act Program Well Data	FI Well ID:	AAE6177
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	HAZEL GRAY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**231**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSO11000040298**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01729-W	Application #:	120725-5
Permit Type:	General	Project Name:	TROPIC SUPPLY
Land Use:	Public Water Supply	Acres Served:	4.57
Facility ID:	132985	Facility Type:	WELL
Facility Name:	Well 1	Pump Type:	Jet
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	28	Intake Depth:	0
Intake Elevation:	0	Well Depth:	70
Casing Depth:	60	Well Use:	To be Plugged and Abandoned
Facility Status:	Existing	Facility Type:	Public Water Supply
Source:	Surficial Aquifer System		

**AY232**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000015443**

Database:	Super Act Program Well Data	FI Well ID:	AAE2638
Well Type:	42	Status:	ABANDONED
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	EAST COAST TRANSMISSION	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	NON-POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**233**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000003256**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-01464-W	Application #:	000928-4
Permit Type:	General	Project Name:	FREEDOM PLASTICS
Land Use:	Landscape	Acres Served:	2
Facility ID:	102579	Facility Type:	WELL
Facility Name:	5	Pump Type:	Submersible
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	75	Intake Depth:	0
Intake Elevation:	0	Well Depth:	80
Casing Depth:	40	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**BC234**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000017388**

Database:	Super Act Program Well Data	FI Well ID:	AAE6176
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	WARE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BD235**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021954**

Database:	Super Act Program Well Data	FI Well ID:	AAF4964
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JUDITH DAVIS	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BD236**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021955**

Database:	Super Act Program Well Data	FI Well ID:	AAF4965
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	BARRY SMITH	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BE237**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000015447**

Database:	Super Act Program Well Data	FI Well ID:	AAE2642
Well Type:	42	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	Treasure Coast Honda Kawasaki	Large PWS Well:	0
WSRP ID:	560013901	WSRP Action:	NO ACTION AT THI
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BA238  
NW  
1/2 - 1 Mile  
Lower**

**FL WELLS      FLSA11000021969**

Database:	Super Act Program Well Data	FI Well ID:	AAF4979
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LES PRITCHARD	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BF239  
WNW  
1/2 - 1 Mile  
Lower**

**FL WELLS      FLSA11000021970**

Database:	Super Act Program Well Data	FI Well ID:	AAF4980
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	EARL SCHULER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BE240  
SE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40000241225**

Organization ID:	USGS-FL	Organization Name:	USGS Florida Water Science Center
Monitor Location:	WELL 3MI S OF FT PIERCE FL	Description:	Not Reported
Type:	Well	Drainage Area:	Not Reported
HUC:	03090202	Contrib Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Aquifer:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	Not Reported
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	Not Reported		
Well Hole Depth Units:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**BA241**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021963**

Database:	Super Act Program Well Data	FI Well ID:	AAF4973
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ANNETTE SMITH	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**242**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000006519**

Database:	Water Supply Permitted Facility Database (South District)		
SFWM Permit #:	56-02167-W	Application #:	040611-6
Permit Type:	General	Project Name:	SAVANNAS OF FT PIERCE
Land Use:	Landscape	Acres Served:	14.86
Facility ID:	168468	Facility Type:	WELL
Facility Name:	W-3	Pump Type:	Centrifugal
Pump Diameter:	0	Well Diameter:	2
Pump Capacity:	65	Intake Depth:	0
Intake Elevation:	0	Well Depth:	100
Casing Depth:	80	Well Use:	Primary
Facility Status:	Proposed	Facility Type:	Irrigation
Source:	Surficial Aquifer System		

**BG243**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021965**

Database:	Super Act Program Well Data	FI Well ID:	AAF4975
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ANTHONY QUINLIN	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**BE244**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000073916**

Database:	Super Act Program Well Data	FI Well ID:	AAK4474
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LABIGANG	Large PWS Well:	0
WSRP ID:	560017901	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**BF245**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000073981**

Database:	Super Act Program Well Data	FI Well ID:	AAK4482
Well Type:	43	Status:	ACTIVE
Casing Material:	GALVANIZED	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ANDERSON	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**BD246**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021953**

Database:	Super Act Program Well Data	FI Well ID:	AAF4963
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	JOSE GONZALEZ	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BE247**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021937**

Database:	Super Act Program Well Data	FI Well ID:	AAF4947
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CARRIE MELTON	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BF248**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021971**

Database:	Super Act Program Well Data	FI Well ID:	AAF4981
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	DIANA WALKER	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BG249**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000073982**

Database:	Super Act Program Well Data	FI Well ID:	AAK4483
Well Type:	43	Status:	ACTIVE
Casing Material:	GALVANIZED	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	RATLIFF	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**BD250**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000020075**

Database:	Super Act Program Well Data	FI Well ID:	AAF1248
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Raw
Well Name:	POUNDS,GENNIE	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**BG251**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021964**

Database:	Super Act Program Well Data	FI Well ID:	AAF4974
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	SHERMAN PETTY	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BD252**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000021952**

Database:	Super Act Program Well Data	FI Well ID:	AAF4962
Well Type:	43	Status:	ACTIVE
Casing Material:	Galvanized	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ELLEN DENMARK	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BE253**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000073915**

Database:	Super Act Program Well Data	FI Well ID:	AAK4473
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	STRATTON	Large PWS Well:	0
WSRP ID:	560016001	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**BE254**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021941**

Database:	Super Act Program Well Data	FI Well ID:	AAF4951
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	WILLIAM J. GALGOUR	Large PWS Well:	0
WSRP ID:	560016201	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BE255**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021935**

Database:	Super Act Program Well Data	FI Well ID:	AAF4945
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	MAXINE STEELE	Large PWS Well:	0
WSRP ID:	560016101	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BF256**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000073980**

Database:	Super Act Program Well Data	FI Well ID:	AAK4481
Well Type:	43	Status:	ACTIVE
Casing Material:	GALVANIZED	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CORONA	Large PWS Well:	0
WSRP ID:	560014601	WSRP Action:	NO ACTION AT THI
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**BE257**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021936**

Database:	Super Act Program Well Data	FI Well ID:	AAF4946
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	CARLA MCLAUGHLIN	Large PWS Well:	0
WSRP ID:	560016301	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**BE258**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021940**

Database:	Super Act Program Well Data	FI Well ID:	AAF4950
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	SHIRLEY REE-NORRIS	Large PWS Well:	0
WSRP ID:	560014901	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BF259**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FL WELLS      FLSA11000073979**

Database:	Super Act Program Well Data	FI Well ID:	AAK4480
Well Type:	43	Status:	ACTIVE
Casing Material:	GALVANIZED	Well Depth:	0
Casing Length:	0	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	GILLUM	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	OWNER
PWS Design:	0		

**260**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000006250**

Database:	Water Supply Permitted Facility Database (South District)	Application #:	010102-11
SFWMD Permit #:	56-01474-W	Project Name:	SAWGRASS MOBIL
Permit Type:	General	Acres Served:	.39
Land Use:	Landscape	Facility Type:	WELL
Facility ID:	104199	Pump Type:	Centrifugal
Facility Name:	1	Well Diameter:	3
Pump Diameter:	0	Intake Depth:	0
Pump Capacity:	38	Well Depth:	120
Intake Elevation:	0	Well Use:	Primary
Casing Depth:	100	Facility Type:	Irrigation
Facility Status:	Proposed		
Source:	Surficial Aquifer System		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**261**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSO11000011532**

Database:	Water Supply Permitted Facility Database (South District)		
SFWMD Permit #:	56-02977-W	Application #:	080801-11
Permit Type:	General	Project Name:	HIGH POINT OF FT PIERCE
Land Use:	Landscape	Acres Served:	4.9
Facility ID:	226959	Facility Type:	PUMP
Facility Name:	Pump 1	Pump Type:	Centrifugal
Pump Diameter:	2	Well Diameter:	0
Pump Capacity:	256	Intake Depth:	0
Intake Elevation:	0	Well Depth:	0
Casing Depth:	0	Well Use:	Primary
Facility Status:	Existing	Facility Type:	Irrigation
Source:	Off-site Canal(s)		

**BH262**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021934**

Database:	Super Act Program Well Data	FI Well ID:	AAF4944
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	LINDA SHIELDS	Large PWS Well:	0
WSRP ID:	560019401	WSRP Action:	UNFILTERED
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

**BH263**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FL WELLS      FLSA11000021933**

Database:	Super Act Program Well Data	FI Well ID:	AAF4943
Well Type:	43	Status:	ACTIVE
Casing Material:	PVC	Well Depth:	Not Reported
Casing Length:	Not Reported	Casing Diameter:	2
Permit #:	Not Reported	Sanitary Seal:	Yes
Well Name:	ROBERT PARNELL	Large PWS Well:	0
WSRP ID:	Not Reported	WSRP Action:	Not Reported
Potable Status:	POTABLE	Resident Type:	Not Reported
PWS Design:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: FL Radon

### Radon Test Results

Zip	Total Buildings	% of sites>4pCi/L	Data Source
34982	16	0.0	Certified Residential Database
34982	8	0.0	Mandatory Non-Residential Database
34982	2	0.0	Mandatory Residential Database

Federal EPA Radon Zone for ST LUCIE County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### DEP GWIS - Generalized Water Information System Well Data

Source: Department of Environmental Protection

Telephone: 850-245-8507

Data collected for the Watershed Monitoring Section of the Department of Environmental Protection.

#### DOH and DEP Historic Study of Private Wells

Source: Department of Environmental Protection

Telephone: 850-559-0901

Historic database for private supply wells.

#### Well Construction Permitting Database

Source: Northwest Florida Water Management District

Telephone: 850-539-5999

#### Consumptive Use Permit Well Database

Source: St. Johns River Water Management District

Telephone: 386-329-4841

#### Permitted Well Location Database

Source: South Florida Water Management District

Telephone: 561-682-6877

#### Super Act Program Well Data

This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investigations of drinking water contamination complaints and education of the public

Source: Department of Health

Telephone: 850-245-4250

#### Water Well Location Information

Source: Suwannee River Water Management District

Telephone: 386-796-7211

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## Water Well Permit Database

Source: Southwest Water Management District  
Telephone: 352-796-7211

## OTHER STATE DATABASE INFORMATION

### Florida Sinkholes

Source: Department of Environmental Protection, Geological Survey  
The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

### Oil and Gas Permit Database

Source: Department of Environmental Protection  
Telephone: 850-245-3194  
Locations of all permitted wells in the state of Florida.

## RADON

### State Database: FL Radon

Source: Department of Health  
Telephone: 850-245-4288  
Zip Code Based Radon Data

### Area Radon Information

Source: USGS  
Telephone: 703-356-4020  
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

### EPA Radon Zones

Source: EPA  
Telephone: 703-356-4020  
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

## STREET AND ADDRESS INFORMATION

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## **Additional Information**

Michelle Franklin, CFA -- Saint Lucie County Property Appraiser -- All rights reserved.

**Property Identification**

Site Address: 1237 GROSE RD  
 Sec/Town/Range: 28/35S/40E  
 Map ID: 24/28S  
 Zoning: IL

Parcel ID: 2428-502-0033-000-1  
 Account #: 32239  
 Use Type: 4400  
 Jurisdiction: Fort Pierce

**Ownership**

H and S Citrus Inc  
 PO Box 1616  
 Fort Pierce, FL 34954

**Legal Description**

INDUSTRIAL S/D LOT 28-LESS W 156FT- (2.42 AC) (OR 205-1297: 256-175)

**Current Values**

Just/Market Value: \$789,100  
 Assessed Value: \$742,500  
 Exemptions: \$0  
 Taxable Value: \$742,500  
 Taxes for this parcel: SLC Tax Collector's Office  
 Download TRIM for this parcel: [Download PDF](#)



**Total Areas**

Finished/Under Air (SF): 23,076  
 Gross Area (SF): 28,717  
 Land Size (acres): 2.42  
 Land Size (SF): 105,415.2

**Sale History**

Date	Book/Page	Sale Code	Deed	Grantor	Price
Aug 9, 1976	0256 / 0175	XX01	WD	H and S Citrus Inc	\$0
Aug 14, 1972	0205 / 1297	XX01	WD	H and S Citrus Inc	\$0

**Building Information (1 of 3)**

Finished Area: 18,576 SF  
 Gross Total Area: 24,217 SF

**Exterior Data**

View:	Roof Cover: Metal	Roof Structure: BarJst/Rigid
Building Type: INDP	Year Built: 1972	Frame:
Grade: Y_D	Effective Year: 1972	Primary Wall: Conc Block
Story Height: 1 Story	No. Units: 2	Secondary Wall: Corr Metal

**Interior Data**

Bedrooms: 0	Electric: MAXIMUM	Primary Int Wall:
Full Baths: 0	Heat Type: FrcdHotAir	Avg Hgt/Floor: 0
Half Baths: 0	Heat Fuel: ELEC	Primary Floors: CONC GRD
A/C %: 10%	Heated %: 10%	Sprinkled %: 100%



UnShaded Subarea:  
BAS (18576)  
URAA (5641)

**Sketch Area Legend**

Sub Area	Description	Area	Fin. Area	Perimeter
BAS	BASE AREA	18576	18576	0
URAA	Utility Room Attached Average	5641	0	0

**Building Information (2 of 3)**

Finished Area: 2,400 SF

Gross Total Area: 2,400 SF

Exterior Data

View:  
Building Type: INDP  
Grade: Y\_D  
Story Height: 1 Story

Roof Cover: Sheet Metal  
Year Built: 1992  
Effective Year: 1992  
No. Units: 1

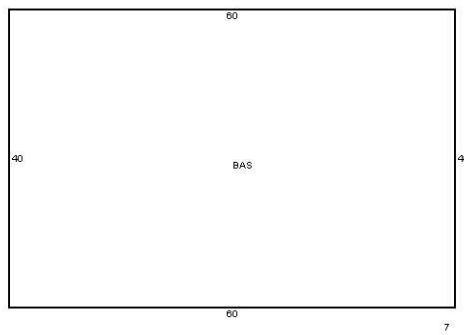
Roof Structure: Steel Rigid  
Frame: 10 Spec Unit  
Primary Wall: Conc Block  
Secondary Wall:

Interior Data

Bedrooms: 0  
Full Baths: 0  
Half Baths: 0  
A/C %: 0%

Electric:  
Heat Type:  
Heat Fuel:  
Heated %: 0%

Primary Int Wall:  
Avg Hgt/Floor: 0  
Primary Floors: CONC GRD  
Sprinkled %: 0%



**Sketch Area Legend**

Sub Area	Description	Area	Fin. Area	Perimeter
BAS	BASE AREA	2400	2400	200

**Building Information (3 of 3)**

Finished Area: 2,100 SF

Gross Total Area: 2,100 SF

View:  
 Building Type: INDP  
 Grade: Y\_D  
 Story Height: 1 Story

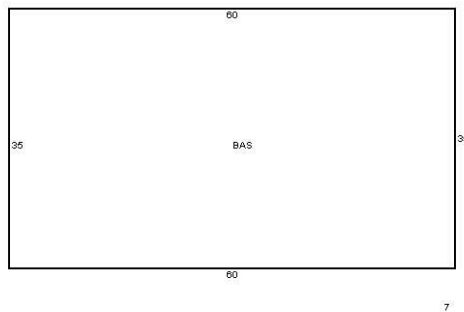
Exterior Data  
 Roof Cover: Enam Metal  
 Year Built: 1997  
 Effective Year: 1997  
 No. Units: 1

Roof Structure: Steel Rigid  
 Frame: 10 Spec Unit  
 Primary Wall: Corr Metal  
 Secondary Wall:

Bedrooms: 0  
 Full Baths: 0  
 Half Baths: 0  
 A/C %: 0%

Interior Data  
 Electric: MAXIMUM  
 Heat Type:  
 Heat Fuel:  
 Heated %: 0%

Primary Int Wall:  
 Avg Hgt/Floor: 0  
 Primary Floors: CONC GRD  
 Sprinkled %: 0%



**Sketch Area Legend**

Sub Area	Description	Area	Fin. Area	Perimeter
BAS	BASE AREA	2100	2100	190

**Special Features and Yard Items**

Type	Qty	Units	Year Blt
MEZZANINE	1	1860	1976
BARB WIRE	1	477	1976
CHAINLINK 6'	1	477	1976
STORAGE BIN	1	360	1976

**Current Year Values**

Current Values Breakdown

Building:	\$578,100
Land:	\$211,000
Just/Market:	\$789,100
Ag Credit:	\$0
Save Our Homes or 10% Cap:	\$46,600
Assessed:	\$742,500
Exemption(s):	\$0
Taxable:	\$742,500

Current Year Exemption Value Breakdown

Tax Year	Grant Year	Code	Description	Amount
----------	------------	------	-------------	--------

Current Year Special Assessment Breakdown

Start Year	AssessCode	Units	Description	Amount
2013	0054	2.42	North St. Lucie Water Management District	\$39.93
2014	0041	33.1	Fort Pierce Stormwater Charge	\$1,787.40

This does not necessarily represent the total Special Assesments that could be charged against this property. The total amount charged for special assessments is reflected on the most current tax statement and information is available with the SLC Tax Collector's Office .

**Historical Values**

Year	Just/Market	Assessed	Exemptions	Taxable
2018	\$789,100	\$742,500	\$0	\$742,500
2017	\$675,000	\$675,000	\$0	\$675,000
2016	\$780,900	\$780,900	\$0	\$780,900
2015	\$768,900	\$768,900	\$0	\$768,900

**Permits**

Number	Issue Date	Description	Amount	Fee
C92-02987	May 29, 1992	Shed	\$48,000	\$48,000
C93-03519	Jun 30, 1993	Slab	\$4,200	\$4,200
C96-080603	Sep 17, 1996	Residential New Construction	\$86,288	\$86,288
RF20051963	May 20, 2005	Roof	\$48,775	\$488
BP16-1349	May 10, 2016	Electric	\$1,200	\$0

Notice: This does not necessarily represent all the permits for this property.

Click the following link to check for additional permit data in Fort Pierce

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This information is believed to be correct at this time but it is subject to change and is not warranted.

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Michelle Franklin, CFA -- Saint Lucie County Property Appraiser -- All rights reserved.

**Property Identification**

Site Address: 3340 ENTERPRISE RD  
 Sec/Town/Range: 28/35S/40E  
 Map ID: 24/28S  
 Zoning: IL

Parcel ID: 2428-502-0035-000-5  
 Account #: 32241  
 Use Type: 4100  
 Jurisdiction: Fort Pierce

**Ownership**

George B Brown  
 Robert E Derry  
 Lois S Derry  
 PO Box 1478  
 Fort Pierce, FL 34954

**Legal Description**

INDUSTRIAL S/D SLY 100 FT OF LOT29 (1.46 AC) (OR 712-1970; 3612-657)

**Current Values**

Just/Market Value: \$212,900  
 Assessed Value: \$212,900  
 Exemptions: \$0  
 Taxable Value: \$212,900  
 Taxes for this parcel: SLC Tax Collector's Office  
 Download TRIM for this parcel: Download PDF



**Total Areas**

Finished/Under Air (SF): 2,400  
 Gross Area (SF): 2,400  
 Land Size (acres): 1.46  
 Land Size (SF): 63,597.6

**Sale History**

Date	Book/Page	Sale Code	Deed	Grantor	Price
Mar 5, 2014	3612 / 0657	0116	WD	Cemer John S	\$40,000
Oct 19, 1990	0712 / 1970	XX00	WD	David L Walker	\$100,000
Mar 1, 1978	0283 / 2790	XX00	CV		\$52,500

**Building Information (1 of 1)**

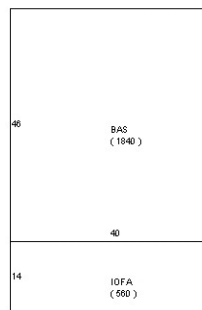
Finished Area: 2,400 SF  
 Gross Total Area: 2,400 SF

**Exterior Data**

View:	Roof Cover: Metal	Roof Structure: Steel Truss
Building Type: INDW	Year Built: 1967	Frame:
Grade: Y_D+	Effective Year: 1977	Primary Wall: Corr Metal
Story Height: 1 Story	No. Units: 1	Secondary Wall: Conc Block

**Interior Data**

Bedrooms: 0	Electric: MAXIMUM	Primary Int Wall:
Full Baths: 0	Heat Type:	Avg Hgt/Floor: 0
Half Baths: 0	Heat Fuel:	Primary Floors: CONC GRD
A/C %: N/A%	Heated %: 0%	Sprinkled %: 100%



**Sketch Area Legend**

Sub Area	Description	Area	Fin. Area	Perimeter
BAS	BASE AREA	1840	1840	172
IOFA	INTERIOR OFFICE AVERAGE QUALITY	560	560	108

**Special Features and Yard Items**

Type	Qty	Units	Year Blt
LOADING DOCK	1	240	1967

**Current Year Values**

Current Values Breakdown

Building:	\$86,100
Land:	\$126,800
Just/Market:	\$212,900
Ag Credit:	\$0
Save Our Homes or 10% Cap:	\$0
Assessed:	\$212,900
Exemption(s):	\$0
Taxable:	\$212,900

Current Year Exemption Value Breakdown

Tax Year	Grant Year	Code	Description	Amount
----------	------------	------	-------------	--------

Current Year Special Assessment Breakdown

Start Year	AssessCode	Units	Description	Amount
2013	0054	1.46	North St. Lucie Water Management District	\$25.00
2014	0041	8.1	Fort Pierce Stormwater Charge	\$437.40

This does not necessarily represent the total Special Assessments that could be charged against this property. The total amount charged for special assessments is reflected on the most current tax statement and information is available with the SLC Tax Collector's Office .

**Historical Values**

Year	Just/Market	Assessed	Exemptions	Taxable
2018	\$212,900	\$212,900	\$0	\$212,900
2017	\$196,600	\$196,600	\$0	\$196,600
2016	\$189,800	\$189,800	\$0	\$189,800
2015	\$188,400	\$188,400	\$0	\$188,400

**Permits**

Number	Issue Date	Description	Amount	Fee
--------	------------	-------------	--------	-----

Notice: This does not necessarily represent all the permits for this property.  
Click the following link to check for additional permit data in Fort Pierce

---

This information is believed to be correct at this time but it is subject to change and is not warranted.  
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✓

ST. LUCIE COUNTY HEALTH DEPARTMENT



Jeb Bush  
Governor

Robert G. Brooks, M.D.  
Secretary

August 23, 2001

Cape Environmental Management Inc  
2302 Parklake Drive, Suite 200  
Atlanta, GA 30345-2907  
Attn: Michael Black

RE: Pollutant Storage Tank Closure Assessment

Dear Mr. Black

This pollutant storage tank closure assessment for the facility reference below was received on July 13, 2001.

~~Facility ID# 569201428 Southern Bell Ft Pierce SOC  
3402 Enterprise Rd, Ft Pierce, FL~~

Enclosed are the results of the review.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Victor Faconti".

Victor Faconti  
Environmental Specialist II

xc: DEP  
File

# ST. LUCIE COUNTY HEALTH DEPARTMENT



Jeb Bush  
Governor

Robert G. Brooks, M.D.  
Secretary

## DEPARTMENT OF ENVIRONMENTAL PROTECTION Tank Closure Assessment Report Review Form

1. DEP Facility ID Number 9201428
2. Date August 23, 2001
3. Facility Name: Southern Bell Ft Pierce SOC
4. Facility Owner: Southern Bell Ft Pierce SOC
5. Facility Address: 3402 Enterprise Rd, Ft Pierce, FL
6. Mailing Address: 3402 Enterprise Rd, Ft Pierce, FL
7. Telephone Number:
8. Facility Operator
9. Are the storage tank(s): (Circle One or Both) A. Aboveground B. Underground
10. Were the Tank(s): A. Replaced B. Removed C. Closed in Place D. Upgraded
11. Was free product present? Yes If yes, is the responsible party eligible for limited scope free product recovery? \_\_\_\_\_

XXXX Closure meets Chapter 62-761/762, F.A.C. Requirements, No contamination reported - No further assessment required.

\_\_\_\_\_ Site Closure meets Chapter 62-761/762, F.A.C. Requirements, groundwater or soil contamination reported - Cleanup required.

### Closure Approved XXX

This review form indicates that the Department or its agent concurs with the reported closure results as compared to standards specified in Chapter 62-761/762, Florida Administrative Code (F.A.C.). This review does not imply that any criteria has been met to qualify for a No Further Action (NFA) or a Site Rehabilitation Completion Order (SRCO) as specified in Chapter 62-770 F.A.C. The above determination is based on the information provided in the closure assessment and does not suggest that contamination could not exist or be discovered in the future at this facility. Additionally, it does not exempt the facility from cleanup actions, should evidence of petroleum contamination be discovered in the future.

Closure Disapproved \_\_\_\_\_ Deficiencies/Comments:

Victor Faconti  
Name of Person Performing Review

St. Lucie County Health Department  
County or District Office

**Environmental Health • Storage Tank**  
714 Avenue C • Port St. Lucie FL 34983  
P.O. Box 580 • Fort Pierce, FL 34954 (Mailing)  
(561) 873-4931 • SC 245-4931 • Fax (561) 873-4893

September 10, 2018

Florida Department of Health  
Bureau of Environmental Health  
4042 Bald Cypress Way  
Tallahassee, FL 32339  
P: 850 -245-4277

Via e-mail: [health@flhealth.gov](mailto:health@flhealth.gov)

**RE: FOIL REQUEST**

- **H & S Citrus, 1237 Grose Road, Fort Pierce, Florida 34982**

To Whom It May Concern:

ENERCON Services, Inc., is conducting a Phase I Environmental Site Assessment of the above-mentioned address and respectfully requests Information under the Freedom of Information Law (FOIL). ENERCON is requesting to review any records including, but not limited to, the following:

- **Department of Environmental Health**
  - Building Permits
  - Air permits, inspections and violations
  - Water/Wastewater permits, inspections and violations
  - Storage tank registrations, inspections and violations
  - Petroleum cleanup information
  - Hazardous waste inspections and violations
  - Spills of petroleum or hazardous materials
  - Site specific reports of radon, asbestos, lead paint, and hazardous materials
  - Records associated with any water supply wells or septic systems on site
  - Any other pertinent information.

If there is a fee for this service, please notify me prior to processing the request. If you have any questions, or if additional information is needed, please do not hesitate to contact me at [ckling@enercon.com](mailto:ckling@enercon.com).

Sincerely,  
ENERCON Services, Inc

Christopher Kling  
Senior Project Manager

- **Phase I ESA's**
- **Phase II Subsurface Investigations**
- **Property Condition Assessments**
- **Asbestos, Lead, Mold and Radon Testing (IAQ)**
- **Transaction Screens**
- **Hydrogeologic Studies**
- **Remedial Action Plans & Implementation**
- **Environmental Compliance Audits**
- **Permitting and Planning**
- **Ecological and Wetland Services**
- **Civil Engineering Services**

September 10, 2018

Fire Marshall  
Saint Lucie County Fire District  
5160 NW Milner Drive  
Port St. Lucie, FL 34983  
via e-mail: info@slcfd.org

**RE: FOIL REQUEST**

- **H & S Citrus, 1237 Grose Road, Fort Pierce, Florida 34982**

To Whom It May Concern,

ENERCON Services, Inc., is conducting a Phase I Environmental Site Assessment of the above-mentioned address and respectfully requests Information under the Freedom of Information Law (FOIL). ENERCON is requesting to review any records including, but not limited to, the following:

- **Saint Lucie County Fire District**
  - Storage tank registrations, inspections and violations
  - Petroleum cleanup information
  - Hazardous waste inspections and violations
  - Spills of petroleum or hazardous materials
  - Any other pertinent information.

If there is a fee for this service, please notify me prior to processing the request. If you have any questions, or if additional information is needed, please do not hesitate to contact me at ckling@enercon.com.

Sincerely,  
ENERCON Services, Inc.

Christopher Kling  
Senior Project Manager

- *Phase I ESA's*
- *Phase II Subsurface Investigations*
- *Property Condition Assessments*
- *Asbestos, Lead, Mold and Radon Testing (IAQ)*
- *Transaction Screens*
- *Hydrogeologic Studies*
- *Remedial Action Plans & Implementation*
- *Environmental Compliance Audits*
- *Permitting and Planning*
- *Ecological and Wetland Services*
- *Civil Engineering Services*

# **Qualifications**



*Chrissy R. Sherman*

### **Experience Summary**

- Geosciences and Remediation Lead in the Kennesaw, Georgia office
- Over ten years of environmental and due diligence consulting experience
- Over nine years of experience in performing environmental assessments and remediation projects at various hazardous waste and petroleum impacted sites

### **Experience Description**

Mrs. Sherman provides a variety of functions at ENERCON which includes performing and managing Phase I and Phase II Environmental Site Assessments, completing Underground Storage Tank (UST) related assessments and remediation, Hazardous Site Response Act (HSRA) assessments and remediation, and asbestos inspection and sampling. For over seven years, Mrs. Sherman has also prepared and managed environmental assessments for projects submitted to the Georgia Department of Community Affairs for clients seeking funding through the HOME Rental Housing Loan and Housing Tax Credit programs.

Mrs. Sherman has worked extensively in the environmental arena on a wide array of projects for over nine years. She has also worked in many areas of the Underground Storage Tank and Hazardous Waste Management fields and has gained extensive knowledge of systems and related site conditions that may influence assessment and remediation effectiveness. She has designed, installed, maintained, and monitored numerous remediation systems with varying degrees of contamination. Her project management experience includes soil and groundwater characterization studies, all phases of Environmental Site Assessments, remediation, permitting, hazardous waste management, and a multitude of field activities for commercial and government clients. Responsibilities have included staff oversight and management, preparation and review of technical reports, project cost and scheduling, regulatory compliance oversight, client management, and client development.

### **Education and Professional Recognition**

Bachelor of Science, Chemical Engineering, Montana State University

### **Training/Special Skills**

OSHA 40-Hour Health and Safety Hazardous Waste Operations Training  
8-Hour OSHA Training  
EPA/AHERA – Asbestos in Buildings: Inspection and Assessment  
EPA Lead-based Paint Inspector: Target Housing and Child Occupied Facilities  
Mold Assessment and Remediation in Buildings Program



*Christopher Kling, CFEA, LEP*

### **Experience Summary**

- Over 22 years of experience in the engineering and environmental consulting fields
- Extensive experience with Phase I due diligence, environmental compliance, and health and safety.
- Additional experience includes commercial risk control, liability auditing, risk management and reporting, and routine health and safety training as well as OSHA compliance and reporting.
- Working knowledge of hazardous materials facility management, including emergency response coordination, environmental permitting oversight, and governmental agency interaction.
- Commercial facility auditing.

### **Experience Description**

Mr. Kling has performed over 150 Phase I Environmental Site Assessments, which include identification of environmental hazards through historical research and on-site investigations for materials which may environmentally impact the property, including asbestos, lead-based paint, radon, and other hazardous materials. Typical property types investigated include retail centers, low-, medium-, and high-rise office buildings, multi-family residences, hotels, vacant land, self-storage facilities, and commercial and industrial properties.

Mr. Kling has performed over 150 Property Condition Assessments, which evaluate structural and engineering components of commercial buildings. Systems evaluated include HVAC, plumbing, roofing, electrical, exterior cladding, framing, and interior elements. These assessments are performed for due diligence reporting of estimated reserve and replacement values of the systems, as well as immediate hazards and issues on the property. Typical property types investigated include retail centers, low-, medium-, and high-rise office buildings, multi-family residences, hotels, vacant land, self-storage facilities, and commercial and industrial properties. Investigations include research of building department files, review of building codes, and interaction with various governmental agencies to determine applicable code compliance.

### **Some of Mr. Kling's experience is listed below:**

#### *Regional Manager, Forwarding Centers*

- Responsible for managing overall operational activities at two Forwarding Centers on the West Coast so that each facility meets and exceeds the customer's requirements.
- Responsible for development and implementation of OSHA, EPA, and DOT trainings and training schedules. Performed initial and refresher training for all Forwarding Center employees so that operational activities complied with regulatory requirements.
- Worked with federal, state, and local agencies to obtain the necessary operating permits and licenses that were required for handling and transporting hazardous materials, including hazardous wastes. Applied for, tracked, and updated DOT Transportation Exemptions.
- Reviewed all incident and accident reports and helped resolve problem areas to avoid recurrence.

- Analyzed and interpreted federal, state, and local regulations and advised employees of regulatory issues and changes.
- Lead and assisted in the daily transporting and handling of hazardous waste packages so that service and productivity were maintained.

*Risk Control Consultant*

- Conducted environmental and fleet liability assessment audits to determine risks, liabilities, and exposures associated with the client's operations. Duties included conducting extensive audits of client's environmental, health and safety, vehicle, and/or driver programs, submittal of detailed reports to insurance underwriters, and follow-up and assistance to clients with audit recommendations.
- Performed health and safety, environmental, and risk management training to existing environmental service industry clients. Duties included assessment of client training needs, preparation of training material, and presentation of trainings.
- Performed driver training to existing transportation clients. Duties included assessment of driver training needs, review of client's vehicle maintenance and file records, preparation of training materials, and presentation of various driver training programs.
- Reviewed corporate health and safety loss prevention programs and procedures. Duties included assessment of contractual agreements, risk control and loss prevention training programs, accident reporting and investigation protocols, and insurance requirements.

*Field Services Manager*

- Managed the business unit for the Huntington Beach, CA office. Duties included tracking and reporting financials, coordinating transportation of hazardous materials through a 10-day permitted transfer facility, purchasing all operational supplies, and maintaining compliance for a fleet of vehicles.
- Managed an operations team covering the Orange and San Diego counties. Duties included personnel training, hiring and firing of employees, and auditing job sites to assure compliance with corporate policies and federal and state regulations.
- Managed numerous projects for aerospace and pharmaceutical industries, in addition to universities, laboratories, and a variety of heavy and light industries. Duties included client liaison, managing site activities, scheduling manpower, coordinating waste disposal with the appropriate facility, and billing.

*Team Leader*

- Responsible for direct oversight of field operations throughout Southern Orange County and San Diego County, CA. Duties included managing a team of Project Managers, Field Supervisors, and Environmental Specialists in day to day operations; working with the sales force and outside customers to identify hazardous waste management needs and schedule field services accordingly; conducting pre-service job walks and preparing quotes for service; conducting audits of filed service operations; training field personnel; coordinating operations with subcontractors; and managing the permitted storage facility.

*Project Manager/Reactive Chemical Supervisor*

- Responsible for management of hazardous waste at various industrial facilities, including customers in the petrochemical industry, biomedical industry, and manufacturing industry.

Duties included supervision of a team of specialists trained in the deactivation, neutralization, or stabilization of highly reactive or explosive hazardous wastes; supervision of field analysts and environmental specialists during routine field operations; preparation of hazardous waste manifests and associated paperwork; and transportation of hazardous wastes.

*Senior Field Supervisor*

- Responsible for management of hazardous waste at various industrial facilities, including customers in the petrochemical industry, biomedical industry, and manufacturing industry. Duties included supervision of environmental specialists during routine field operations; preparation of hazardous waste manifests and associated paperwork; and transportation of hazardous wastes.

*Atomic Absorption Spectrophotometer Analyst*

- Performed analysis of various lab samples using an atomic absorption spectrophotometer, as well as various wet chemical testing techniques.

**Education and Professional Recognition**

B. S., Chemical Engineering, Lafayette College, Easton, PA, 1984

M.S., Environmental Science, Ana Maria College, Paxton, MA (previous candidate 1991-1992)

ASTM Property Condition Assessment Certificate

State of Texas Certified Field Safety Representative

State of Arkansas Certified Field Safety Representative

Certified Florida Environmental Assessor (#434)

Licensed Environmental Professional (#227)

California State Contractors License #679945 "A" - General Engineering (currently inactive)

California Asbestos Building Inspector

California Hazardous Substances Removal and Remedial Actions Certification (currently inactive)

40-Hour Hazardous Waste Operations Certification (with recertification)

Certified Engineer in Training

Member of Florida Environmental Assessors Association

Member of International Society of Technical and Environmental Professionals

Enterprise Drive

2428-502-0035-000-5

1.46 +/- Acres

Industrial (I)

2428-502-0033-000-1

2.42 +/- Acres

Industrial (I)

Grose Road



THE SUNRISE CITY  
**FORT PIERCE**  
 ENGINEERING  
 DEPARTMENT

*Florida*



**To : Brandon Creagan, Planner**

**FROM : John R. Andrews, P.E., City Engineer**

**RE : We Buy Scrap – 1237 Grose Road  
 Future Land Use Amendment  
 TRC No. 18-99900002**

**DATE : October 12, 2018**

*JRA*



This is to advise you that we have completed the review of the following documents as received by this office on October 4, 2018:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Future Land Use Amendment                             | <input type="checkbox"/> P/D Drawings  |
| <input type="checkbox"/> Test Reports & Related Documents                                 | <input type="checkbox"/> Certificate of Completion                               |
| <input type="checkbox"/> Record Drawings  | <input type="checkbox"/> Permits from applicable Local, State & Federal Agencies |
| <input type="checkbox"/> Clearances from all applicable Local, State and Federal Agencies |  |

Based on our reviews and appropriate site final inspection, we

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Recommend          | <input type="checkbox"/> Do Not Recommend                             |
| <input checked="" type="checkbox"/> Approval of F.L.A. | <input type="checkbox"/> Building Permit <input type="checkbox"/> C/O |

Developer, Owner, Engineer, Contractor and other members of the Development Team must be aware, the above recommendation is based only on the construction requirements of the engineering plans and other engineering documentation approved by this department. The Development Team shall be responsible for the compliance with other City department requirements and all approved documents, as well as Local, State and Federal regulations. The development requirements for this project may necessitate additional construction requirements that are not subject to this department's review for approval.

See attached for engineering comments  
 JRA/TST/tst



PUBLIC WORKS  
ENGINEERING DIVISION  
DEVELOPMENT REVIEW  
COMMITTEE

October 16th, 2018

**Project:** We Buy Scrap  
**Subject:** SURVEY REVIEW  
**To:** Brandon Creagan  
**From:** Rod Reed, PLS  
SLC-Engineering Division

All comments are based on the Standards of Practice per 5J-17.050 thru 5J-17.052

SURVEY:

1. PLEASE ADD A NORTH ARROW TO THE SURVEY PER CH. 5J-17.051 (3) (b) PARAGRAPH 10
2. PLEASE ADD ACCURACY STATEMENT PER CH. 5J-17.051 (2) (b) 1 AND 5-J-17.051 (3) 15 b. (ii).
3. PLEASE ADD THE DIMENSIONED REMAINDER OF LOT 29 ON THE SURVEY PER 5J-17.052 (2) (a) 7. PARAGRAPH d.

Please provide a written response to all comments

**Rod Reed, County Surveyor**

St. Lucie County, Fl.  
2300 Virginia Avenue  
Ft. Pierce, Fl. 34982-5652  
[www.stlucieco.org](http://www.stlucieco.org)  
Ph. (772) 462-1721  
E-mail [reedr@stlucieco.org](mailto:reedr@stlucieco.org)



ST. LUCIE COUNTY  
PLANNING & DEVELOPMENT SERVICES  
TECHNICAL REVIEW LETTER

---

**TO:** Brandon Creagan, LEED, Planner  
**FROM:** Kori Benton, Senior Planner  
**DATE:** October 18, 2018  
**SUBJECT:** **Future Land Use Map Amendment –1237 Grose Road**  
Technical Review Project# 18-99900002

---

The St. Lucie County Planning & Development Services Department has completed a review of the October 4, 2018 distribution of Technical Review Project# 18-99900002.

**Background**

Application for Future Land Use Map Amendment for property located at 1237 Grose Road. The parcel currently has a City of Fort Pierce zoning of I-1, Light Industrial and a St. Lucie County Future Land Use of IND, Industrial. The applicant would like to change the Future Land Use of the property to City of Fort Pierce I, Industrial to bring the parcel into compliance with the Comprehensive Plan. The parcel ID is 2428-502-0033-000-1.

**Review Comments**

No comment on the proposed Future Land Use amendment.

Please contact me at 772-462-2518 if you have any questions or would like to discuss the presented comments.

**Planning Board**

**6.b.**

Meeting Date: 11/13/2018

---

Information

REQUESTED ACTION

Conditional Use - RG Towers - 2006 Orange Avenue

LOCATION

2006 Orange Avenue

RESPONSIBLE STAFF

Brandon Creagan, LEED Green Associate, Planner

RECOMMENDATION

Approve with Condition

1. The applicant sign the City's Mural Agreement & coordinate with the Grants Administration Division regarding their mural program for the proposed public art space on the fence before the City Commission meeting.
2. The applicant donate \$25,000 for the cost associated with the installation & engineering for a bus shelter at 15th Street & Orange Avenue.
3. The applicant donate \$4,231.56 for the cost, shipping, & taxes for a bike rack and a bike "fix it" station.

---

Attachments

Staff Report

Application & Supporting Documents

Aerial Map

Zoning Map

TRC Comments

TRC Comment Response from Applicant

---

**Form Review**

Form Started By: Brandon Creagan

Started On: 10/31/2018 10:30 AM

Final Approval Date: 11/01/2018



**TO:** Members of the City of Fort Pierce Planning Board

**THROUGH:** Rebecca Grohall, AICP, Planning Director *RB*

**FROM:** Brandon Creagan, LEED Green Associate, Planner *BCC*

**SUBJECT:** **Conditional Use (New Construction) & Design Review**  
**RG Towers – Telecommunications Tower**  
**2006 Orange Avenue**

**DATE:** October 30, 2018

**STAFF REPORT**

**Applicant(s):** RG Towers LLC  
 2141 Alternate A1A Suite 440  
 Jupiter, FL 33477

**Property Owner:** Lesley Phillips & Abdel Jebbar Elbakkari  
 2006 Orange Avenue  
 Fort Pierce, FL 34950

**Requested Action:** Recommendation of Approval with Condition of a Conditional Use & Design Review Application to Construct a One Hundred & Thirty (130) foot Tall Slim Stealth Pole Telecommunications Tower

**Location:** 2006 Orange Avenue

**Parcel IDs:** 2409-605-0008-000-4

**Parcel Size:** 0.45 acres

**Zoning:** C-3, General Commercial

**Future Land Use:** GC, General Commercial

**Surrounding Zoning:**

North	East	South	West
R-3	C-3	C-3	C-3

**Staff Analysis:**

The applicant RG Towers is seeking a Conditional Use with New Construction & Design Review approval to construct a telecommunications tower at 2006 Orange Avenue. The structure that is proposed is a one hundred and thirty (130) foot slim stealth pole telecommunications tower. The property is zoned C-3, General Commercial with a Future Land-Use of GC, General Commercial. Urban Fashions currently runs its business on the parcel. The telecommunications tower will be located on the vacant part of the parcel.

The applicant will provide a six (6) foot tall wood fence that will shield the site from the right of way and from nearby properties. In addition to the fence, the applicant will also install thirty seven (37) six (6) foot tall Podocarpus on the north and east side of the fence that will act as a landscape buffer to further shield the compound from the right of way and nearby properties. On the south and west side of the fence the applicant will install fifty (50) eighteen (18) inch Dwarf Florida Gamagrass. The applicant is proposing the installation of a shorter shrub on the south and west sides of the fence to allow for the fence space to be utilized for public art. Lastly, seven (7) ten (10) foot tall Southern Live Oaks are to be installed to act as a secondary landscape buffer around the site.

The applicant will install a sidewalk along North 21 Street in accordance with City Code 22-62. The tower itself will provide one antenna for T-Mobile as well as a T-Mobile support structure. According to the plans the tower has the capacity to support two additional antenna and two additional support structures on the ground. The pole is designed to have a zero (0) foot fall zone so that in the event of structural failure the pole would buckle in on itself and not fall over.

The Orange Avenue corridor serves as a gateway to the Peacock Arts District, the Lincoln Park Neighborhood, and our Historic Downtown. It is vital that projects being develop along this corridor are planned so that they may integrate into the surrounding area and act as an entrance to the areas mentioned above. Because this project will be built in a gateway to all the districts mentioned above the applicant is donating space on their fence for public art or a mural of some kind. The applicant will sign the City's Mural Agreement with the Grants Administration Division that will enable the fence to be used as a canvas for a local artist. This will help with the beautification of this corridor and will help to give residents and visitors a positive feel as they drive down this corridor.

Lastly, the applicant has been in discussions with the Planning Department and St. Lucie County about a capital contribution for multi-modal improvements. In communication with St. Lucie County they have indicated a need for a bus shelter at 15<sup>th</sup> Street and Orange Avenue. The applicant has also expressed interest in installing one bike rack and one bike "fix it" station.

**Technical Review Committee:**

All affected City Departments have reviewed the proposed Conditional Use with New Construction & Design Review and have provided conditional approval based on compliance with requirements of the City Code. The comments generated from the technical review are provided for review. The applicant has addressed each reviewers comment and has made the proper corrections. The applicant's response to comments generated by the reviewers will also be included for your review.

**Staff Recommendation:**

Staff recommends that the Planning Board forward a recommendation of approval for the Conditional Use with New Construction & Design Review to the City Commission with the following condition:

1. The applicant sign the City's Mural Agreement & coordinate with the Grants Administration Division regarding their mural program for the proposed public art space on the fence before the City Commission meeting.
2. The applicant donate \$25,000 for the cost associated with the installation & engineering for a bus shelter at 15<sup>th</sup> Street & Orange Avenue.
3. The applicant donate \$4,231.56 for the cost, shipping, & taxes for a bike rack and a bike "fix it" station.



THE SUNRISE CITY  
**FORT PIERCE**  
PLANNING DEPARTMENT *Florida*

**DEVELOPMENT REVIEW**

Property address or Location 2006 ORANGE AVENUE  
Parcel ID #(s) 2409-605-0008-000-4  
Project description New Communication tower w/ compound

Lesley Phillips / Abdel Jebbar Elbakkari RG Towers, LLC

Property Owner(s)  
2006 Orange Ave  
Street Address  
Ft Pierce FL 34950  
City State Zip  
772-595-8129

Phone Number  
amal0012012@gmail.com  
Email Address

Applicant/Representative, Title, Company  
2141 Alternate A1AS Ste 440  
Street Address  
Jupiter, FL 33477  
City State Zip  
561-748-0302

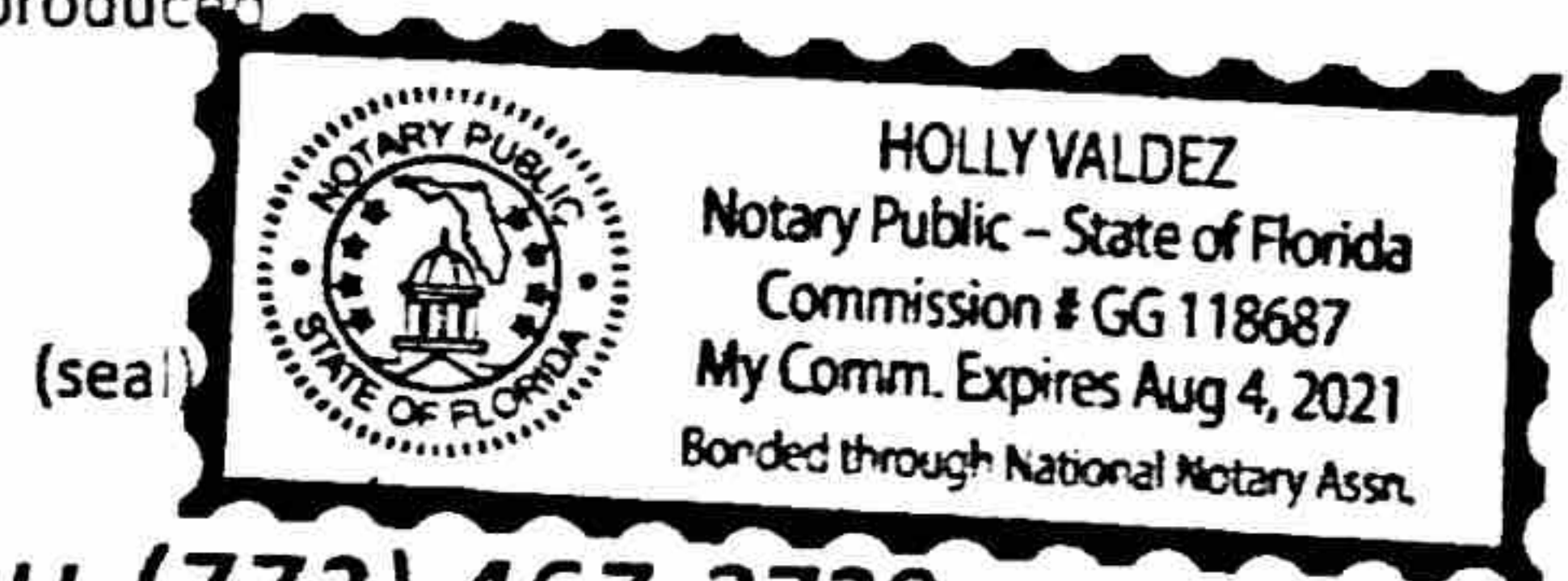
Phone Number  
hvaldez@rgpartners.com  
Email Address

*Property Owner(s) Acknowledgements: - This application will not be considered complete without the signature of all property owners of record, which shall serve as an acknowledgement of the submission of this application. The property owner's signature below shall also authorize the Applicant (if other than the property owner) and/or Representative to act in his/her behalf for the purposes of seeking approval for the application described herein. The undersigned consents to inspection and photographing of the subject property by the Planning staff for purposes of consideration of this Application and/or presentation to the Planning Board and City Commission.*

Lesley Phillips 6/14/18  
Property Owner(s) Signature(s)

STATE OF FLORIDA -- COUNTY  
The foregoing instrument was acknowledged before me this 14<sup>th</sup> day of June, 2018, by  
Lesley Phillips who is personally known to me or has produced  
as identification.

Holly Valdez  
Signature of Notary



**INTAKE MEETINGS ARE REQUIRED FOR ALL SUBMITTALS. CALL (772) 467-3729**

**TO BE COMPLETED BY STAFF**

Zoning	Future Land Use	Total Acres	Historic District	Historic Designation
				Contributing Individual Non-Contributing None

Pre-Application Meeting Date \_\_\_\_\_ Fees \_\_\_\_\_ Control # \_\_\_\_\_ B. Permit # \_\_\_\_\_

Intake Planner \_\_\_\_\_

Planner Assigned \_\_\_\_\_

Approved By \_\_\_\_\_ Date \_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Intake Date Stamp

# DEVELOPMENT REVIEW

## General Information

- Incomplete application packets cannot be accepted.
- Site Plan approval is valid for one (1) year following City Commission approval. In order to maintain site plan approval, vertical improvements, permitted by the Building Department must commence prior to the 12-month expiration date, and building permits must be maintained until site plan is completed, per plans, or approval shall lapse.

Choose Application Type:

Application Type		
<input checked="" type="checkbox"/> Site Plan	<input type="checkbox"/> Conditional Use with New Const.	<input type="checkbox"/> Major Amendment
<input type="checkbox"/> Conceptual Development Plan	<input type="checkbox"/> Minor Amendment	

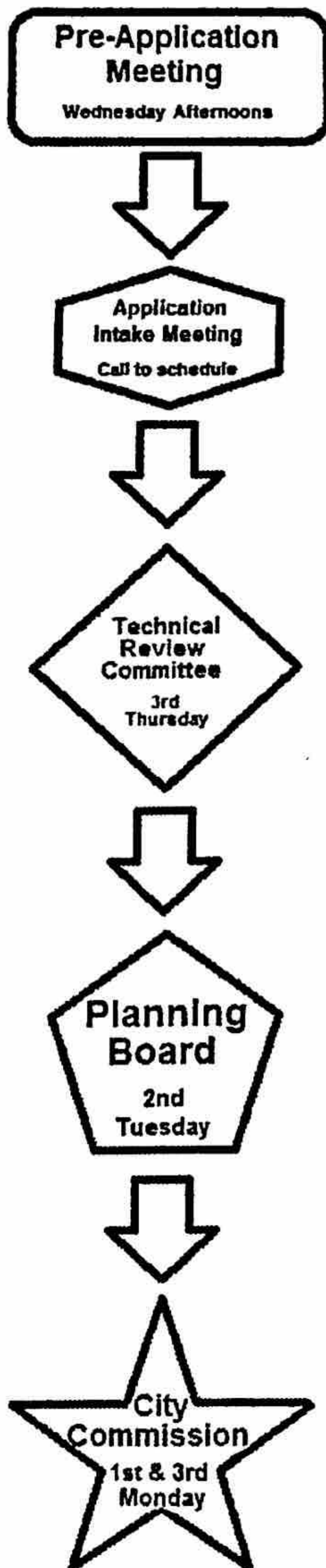
Site Information:

Non-Residential: Proposed Sq. Ft.: 2000 Residential: Proposed Units: 0

Surrounding Uses: (i.e. single family home, retail, industrial, etc.)

North	South	East	West
R3	C3	C3	C3

## Application Outlook



## Site Plan submittal requirements:

Submit one (1) original & thirteen (13) hard copies and one (1) CD of the following. Additional copies will be required of subsequent submittals.

- Complete notarized application
- Warranty Deed
- SLC Property Record Card
- Statements of ownership & control of proposed development. Statement describing in detail: character & intended use.
- General location map (see Section 22-58.d.2)
- Survey (see Section 22-58.d.3)
- Site Plan (see Section 22-58.d.4)
- Landscaping Plan (see Section 22-187)
- Storm Drainage Plan (see Section 22-58.d.6)
- Environmental Impact Report
- Beach/Dune System protection plan, if applicable (see Section 22-58.d.7)
- Lighting Plan (see Section 22-58.d.8)
- Design Review submittals (see Design Review application) **NA**
- Traffic Impact Report **NA**
- Concurrency Review submittals (see Concurrency Review application) **NA**



5/10/18

RE: Zoning Review Section 22-159-B 7  
**Letter of intent. RG Towers Ft Pierce Orange Ave TC11**

Dear Sir/ Madam:

RG Towers, LLC is applying for approvals to build a 130' stealth communications tower, which will be available for collocation in St Lucie County. The following information is provided pursuant to the requirements of the City of Fort Pierce Land Development Regulations Section 22-159 and notices have been provided to all major carriers.

-

Tower Height/Type	130' Stealth communications tower
Address	2006 Orange Ave, Fort Pierce, FL 34950
Coordinates	Approximately 27.447636, -80.345960
General Rate	Dependent upon height, loading and ground space required
Tentative Construction date	Q3, 2018

RG Towers, LLC and its successors will agree to the shared use of the tower if an additional user agrees, in writing, to meet reasonable terms and conditions for shared use

.

Sincerely,

Scott Richards  
CEO  
RG Towers, LLC



RG Towers, LLC

5-10-18

RE: RG Towers-Ft Pierce- Orange Ave Relevant Easements

Per the requirement of code Section 22-159 (b) 6 "Copies of Relevant Easements", we report that there are no relevant easements to this application per the title report dated 10/18/17.

- US TITLE SOLUTIONS FILE NO.58394-FL1710-5030  
REFERENCE NO. TC11 SITE NAME Ft Pierce- Orange Ave

Sincerely,

Holly Valdez  
V.P. Operations  
RG Towers, LLC



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 10101 Hillwood Parkway  
 Fort Worth, TX 76177

Aeronautical Study No.  
 2017-ASO-25626-OE

Issued Date: 01/03/2018

Scott Richards  
 RG Towers, LLC  
 2141 Alternate A1A, South  
 Suite 440  
 Jupiter, FL 33477

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Monopole ORANGE AVENUE  
 Location: Ft. Pierce, FL  
 Latitude: 27-26-51.58N NAD 83  
 Longitude: 80-20-45.15W  
 Heights: 20 feet site elevation (SE)  
 150 feet above ground level (AGL)  
 170 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 L Change 1.

This determination expires on 07/03/2019 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (404) 305-6462, or [mike.blaich@faa.gov](mailto:mike.blaich@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2017-ASO-25626-OE.

**Signature Control No: 351367066-352287243**

( DNE )

Michael Blaich  
Specialist

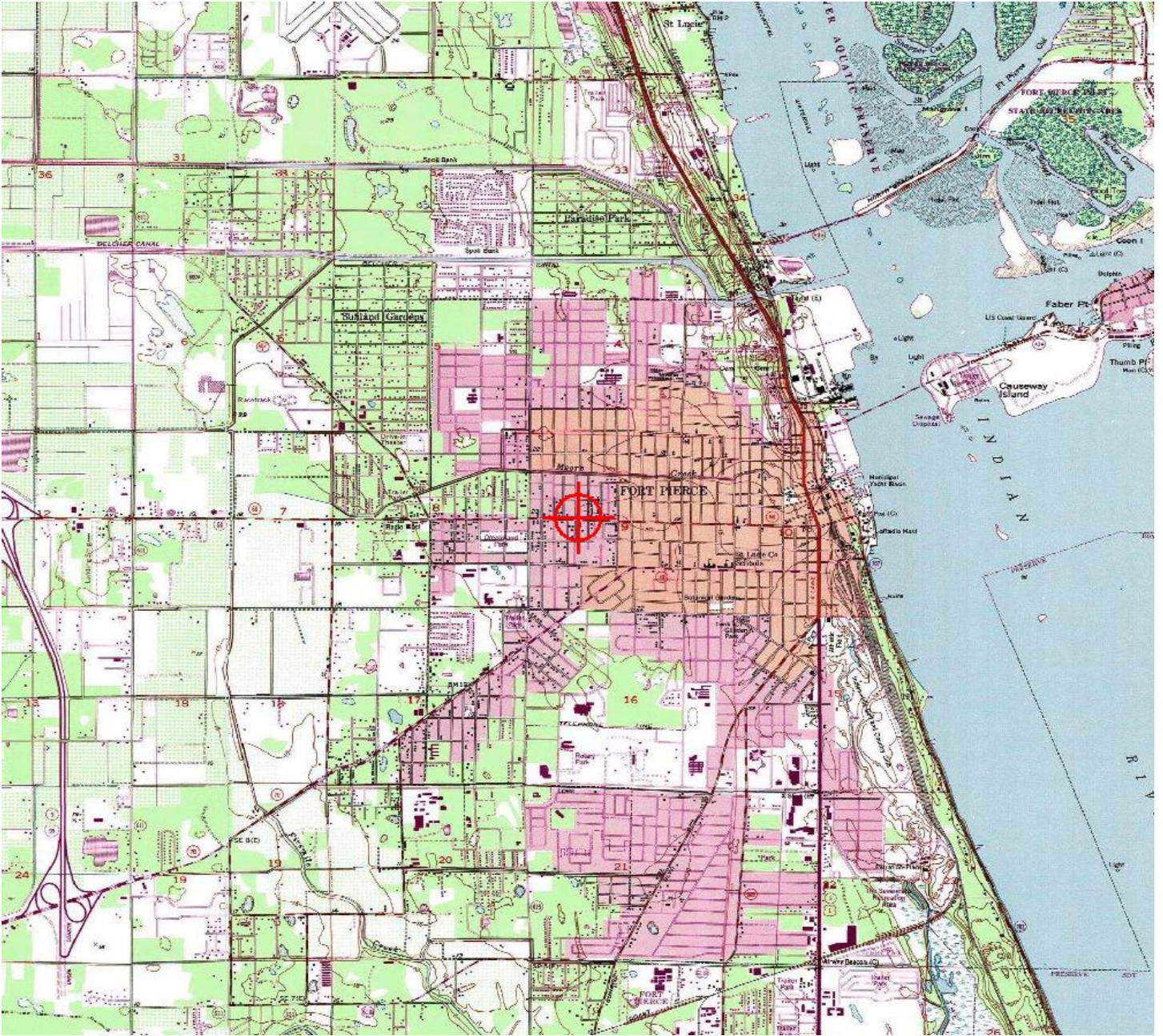
Attachment(s)  
Frequency Data  
Map(s)

cc: FCC

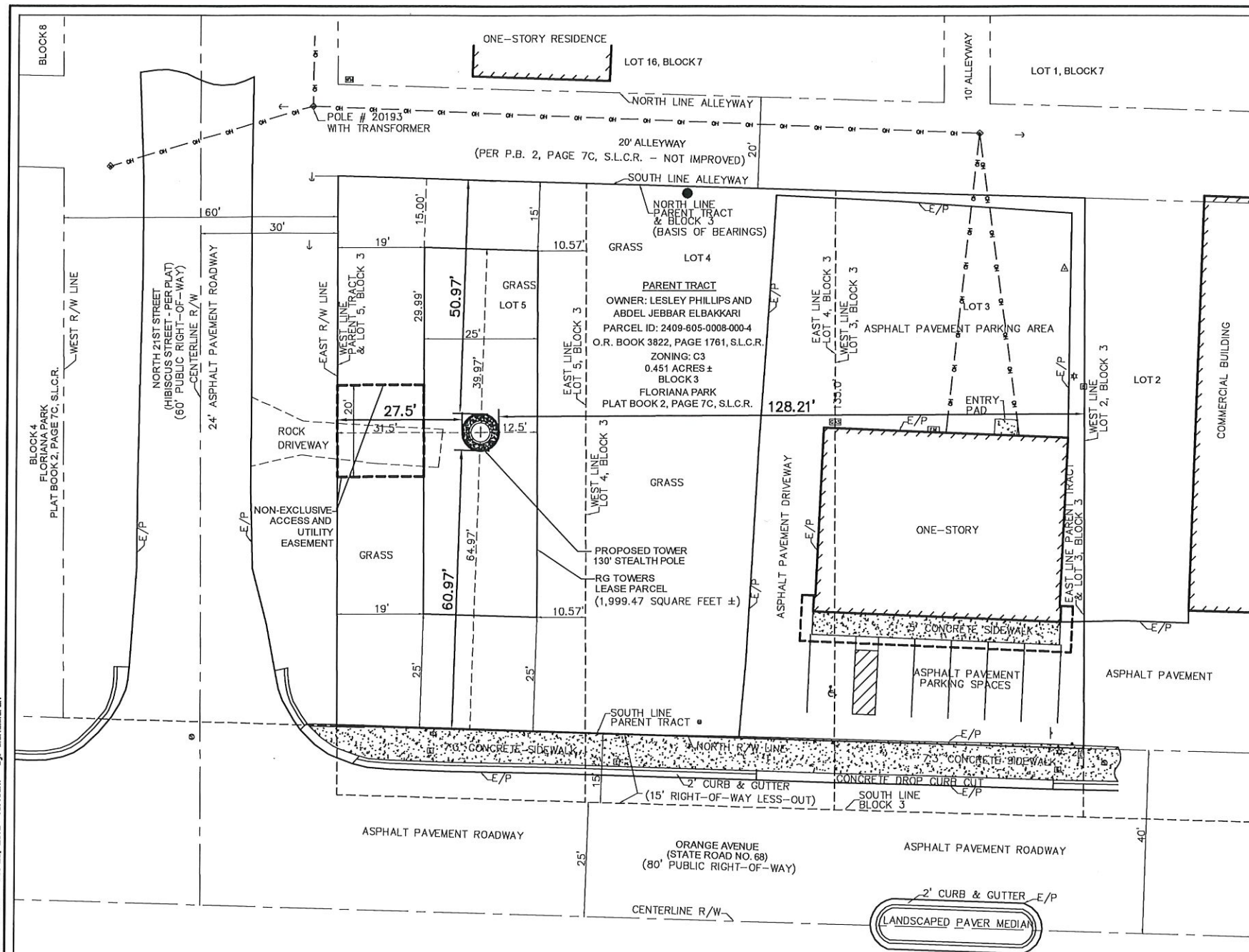
**Frequency Data for ASN 2017-ASO-25626-OE**

<b>LOW FREQUENCY</b>	<b>HIGH FREQUENCY</b>	<b>FREQUENCY UNIT</b>	<b>ERP</b>	<b>ERP UNIT</b>
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W

TOPO Map for ASN 2017-ASO-25626-OE



Drawing name: K:\WP9\_Civil\CELL\_SITES\RGF Towers\144042047 Ft Pierce-2008 Orange Ave\02a\Site Plan.DWG 1 of 3 Oct 23, 2018 10:16am by: Maria.Martin



OVERALL SITE PLAN

ADJACENT ZONING CLASSIFICATIONS	ZONING/LAND USE CLASSIFICATION
ZONING TO EAST	C-3/GENERAL COMMERCIAL
ZONING TO SOUTH	C-3/GENERAL COMMERCIAL
ZONING TO WEST	C-3/GENERAL COMMERCIAL
ZONING TO NORTH	R3/SINGLE FAMILY MODERATE DENSITY

STRUCTURE	SETBACKS TO PROPERTY LINE			
	NORTH PROPERTY LINE (FT)	SOUTH PROPERTY LINE (FT)	EAST PROPERTY LINE (FT)	WEST PROPERTY LINE (FT)
TOWER (EDGE)	50.97	60.97	128.21	27.5

**PROJECT DESCRIPTION**

THIS PROJECT IS FOR THE CONSTRUCTION OF AN UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF THE INSTALLATION OF A 130' STEALTH POLE COMMUNICATIONS TOWER AND FUTURE WIRELESS BASE STATION EQUIPMENT IN ORDER TO PROVIDE RADIO TRANSMISSION SERVICES FOR PERSONAL COMMUNICATIONS AS WELL AS EMERGENCY 911 SERVICE. PROJECT SIZE IS 1,999.47 SF COMPOUND.

**COORDINATES:** (CENTER OF 130' STEALTH POLE)  
 LAT: 27°26'51.584" N (NAD 83/2011)  
 LONG: 80°20'45.150" W (NAD 83/2011)  
 ELEVATION: 19.8'± NAVD 88 (PER SURVEY)  
 FOLIO NUMBER: 2409-605-0008-000-4

**PROJECT APPLICANT**

RG TOWERS, LLC  
 2141 ALTERNATE A1A SOUTH, SUITE 440  
 JUPITER, FL 33477  
 561-748-0302 ATTN: SCOTT RICHARDS

**PROPERTY OWNER**

LESLEY PHILLIPS  
 ABDEL JEBBAR ELBAKKARI  
 2006 ORANGE AVE  
 FORT PIERCE, FL 34950

**UTILITIES**

THIS PROJECT WILL REQUIRE POWER AND TELEPHONE SERVICE ONLY, NO WET UTILITIES OR GARBAGE COLLECTION WILL BE NEEDED TO SUPPORT THIS PROJECT

**HANDICAP ACCESS**

THIS FACILITIES IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED

**IMPERVIOUS COVERAGE**

PROPOSED IMPERVIOUS SURFACE COVERAGE IS EQUAL TO FUTURE BUILDING (EQUIPMENT SLABS) AND TOWER FOOTPRINTS (650 SF MAX)

**PROJECT DENSITY**

THERE ARE NO RESIDENTIAL UNITS FOR THIS PROJECT. PROJECT DENSITY IS N/A.

**DRAINAGE REQUIREMENTS**

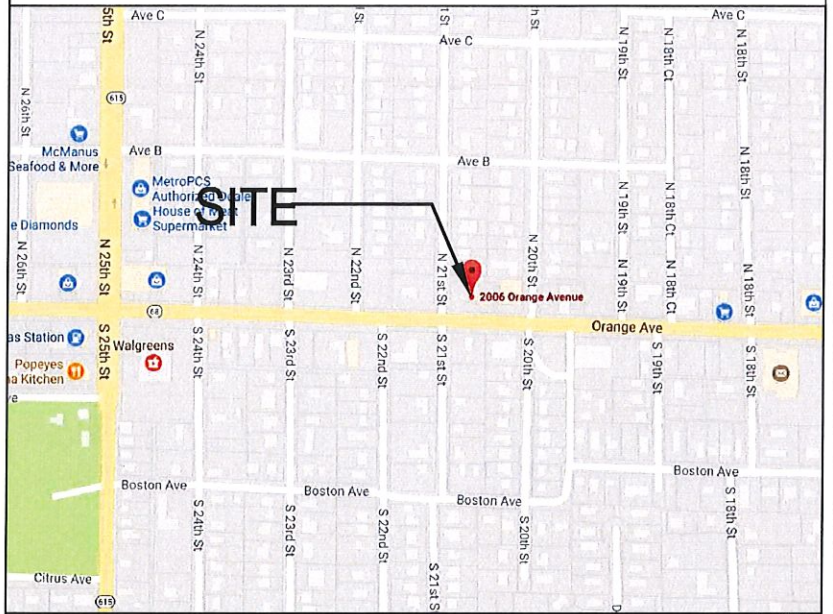
THE FIRST 1" OF STORMWATER RUNOFF IS TO BE RETAINED ON SITE PRIOR TO DISCHARGE TO THE OVERALL MASTER DRAINAGE SYSTEM FOR THE PARENT TRACT.

**LANDSCAPING REQUIREMENTS**

PERIMETER LANDSCAPING AROUND COMPOUND TO BE IN COMPLIANCE WITH CITY OF FORT PIERCE CODE.

**NOTES:**

- FCC REQUIRES SIGNS TO BE PROVIDED AND INSTALLED AS NECESSARY.
- "HIGH VOLTAGE-DANGER" SIGN INSTALLED ON GATE AND SIGN SHALL NOT EXCEED 1 SF IN AREA.
- 6' HIGH WOOD FENCE AND LOCKED ENTRY GATE.
- ALL CONSTRUCTION WILL COMPLY WITH SECTIONS 17 AND 22 OF THE CITY OF FORT PIERCE CODE OF ORDINANCES.



LOCATION MAP

RG Towers, LLC  
 2141 Alternate A1A South, Suite 440  
 Jupiter, FL 33477

**PROJECT INFORMATION:**

FT PIERCE-ORANGE AVE  
 2006 ORANGE AVE  
 FORT PIERCE, FL 34950  
 ST LUCIE COUNTY

**CURRENT ISSUE DATE:**

OCTOBER 2018

**ISSUED FOR:**

SITE PLAN REVIEW

**REV.: DATE: DESCRIPTION:**

REV.	DATE	DESCRIPTION
1	10-19-18	PER CITY COMMENTS



PLANS PREPARED BY:  
**Kimley-Horn**  
 © 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
 1920 WEKIVA WAY, SUITE 200  
 WEST PALM BEACH, FLORIDA 33411  
 (561) 845-0665  
 FBPE CA0000696

**PROVIDER:**

Blank space for provider information.

**DRAWN BY: CHK.: APV.:**

MM LF MM

**LICENSURE:**

MARIA VICTORIA MARTIN PE 72397

**SHEET TITLE:**

SITE PLAN

**SHEET NUMBER: REVISION:**

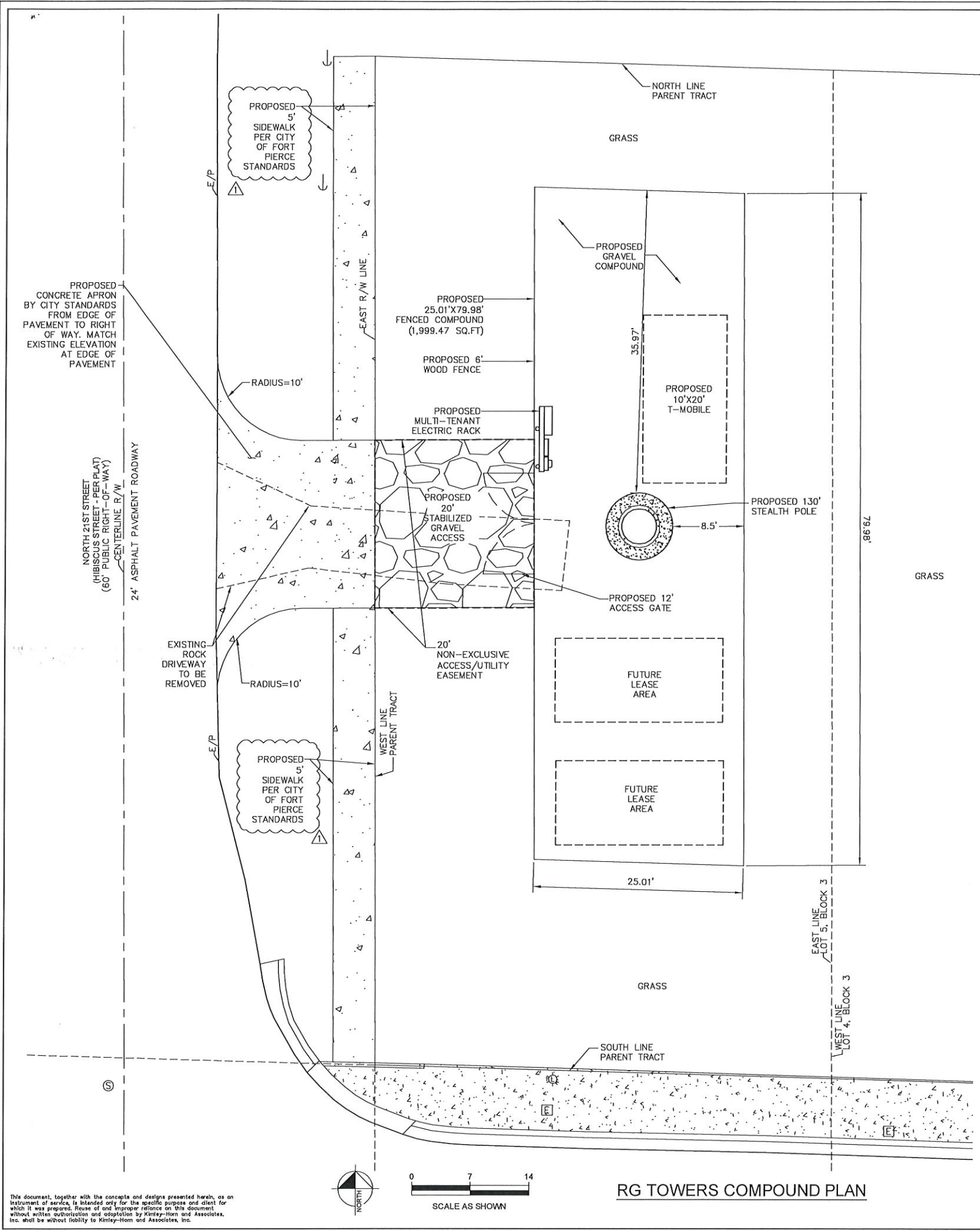
1/3

**KHA Job #:**

144042047

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Drawing name: K:\WPB\_Civil\CELL\_SITES\Towers\144042047 Ft Pierce- 2006 Orange Ave\ad\Zda\Sis Plan.DWG 2 of 3 Oct 19, 2018 11:01am by MariaMartin

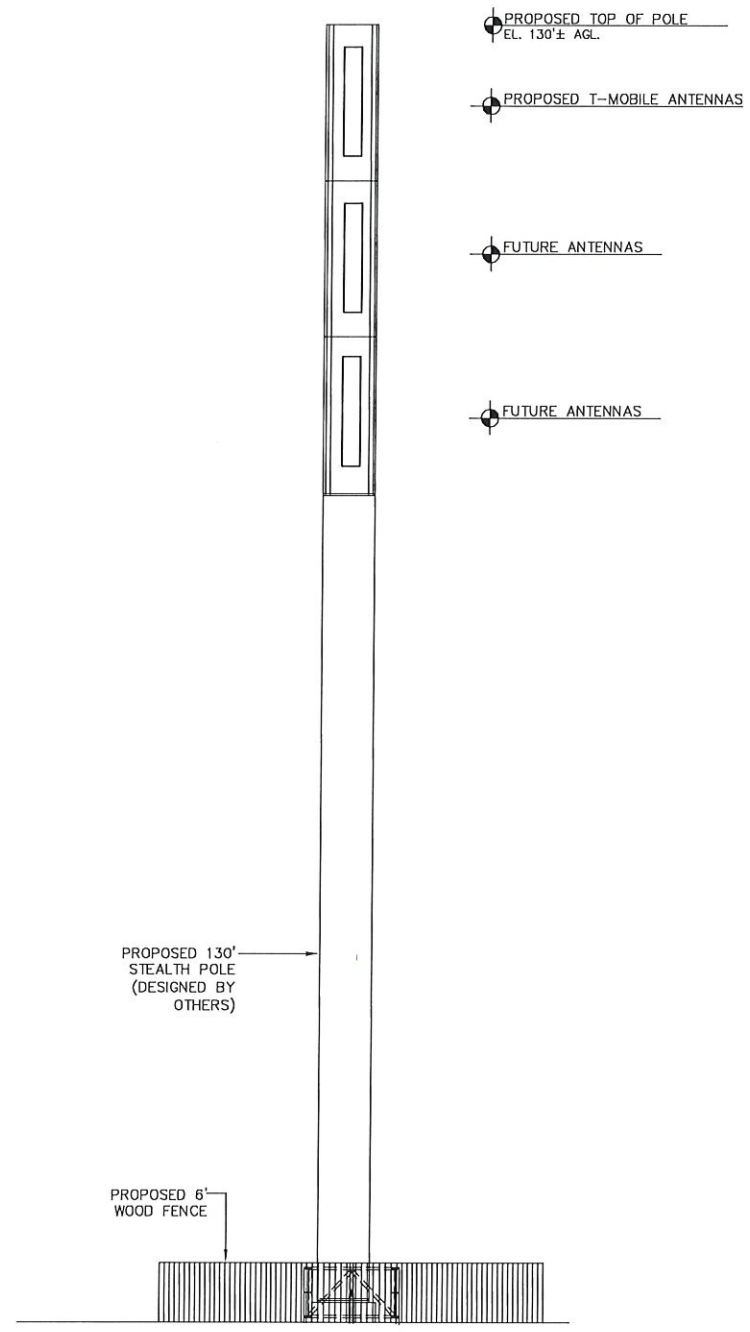


RG TOWERS COMPOUND PLAN



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FLOOD ZONE INFORMATION					
COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION
120286	0178	J	02/16/2012	X	N/A



TOWER ELEVATION  
N.T.S.

- NOTE:
1. ALL PROPOSED ATTACHMENTS TO TOWER BASED ON STRUCTURAL ANALYSIS BY OTHERS.
  2. TOWER IS DESIGNED FOR A TOTAL OF THREE WIRELESS SERVICE PROVIDERS. LOCATION OF FUTURE PROVIDERS IS APPROXIMATE.
  3. CONTRACTOR TO COORDINATE ANTENNA MOUNTS W/ OWNER.
  4. CONTRACTOR TO REFER TO STRUCTURAL ANALYSIS (BY OTHERS).
  5. POLE TO BE GALVANIZED STEEL WITH NO LIGHTING AND NO FLAG TO BE FLOWN
  6. TOWER WILL HAVE A ZERO FALL ZONE

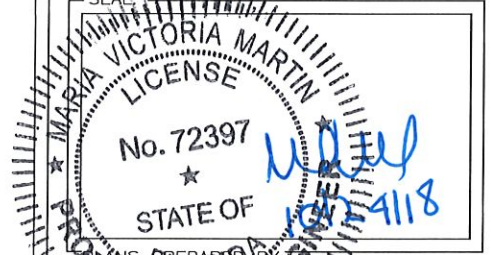
RG Towers, LLC  
2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477

PROJECT INFORMATION:  
FT PIERCE-ORANGE AVE  
2006 ORANGE AVE  
FORT PIERCE, FL 34950  
ST LUCIE COUNTY

CURRENT ISSUE DATE:  
OCTOBER 2018

ISSUED FOR:  
SITE PLAN REVIEW

REV. DATE	DESCRIPTION
10-19-18	PER CITY COMMENTS



PREPARED BY  
**Kimley-Horn**  
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1920 WEKIVA WAY, SUITE 200  
WEST PALM BEACH, FLORIDA 33411  
(561) 845-0665  
FBPE CA00000696

PROVIDER:  
DRAWN BY: CHK.: APV.:  
MM LF MM

LICENSURE:  
MARIA VICTORIA MARTIN PE 72397

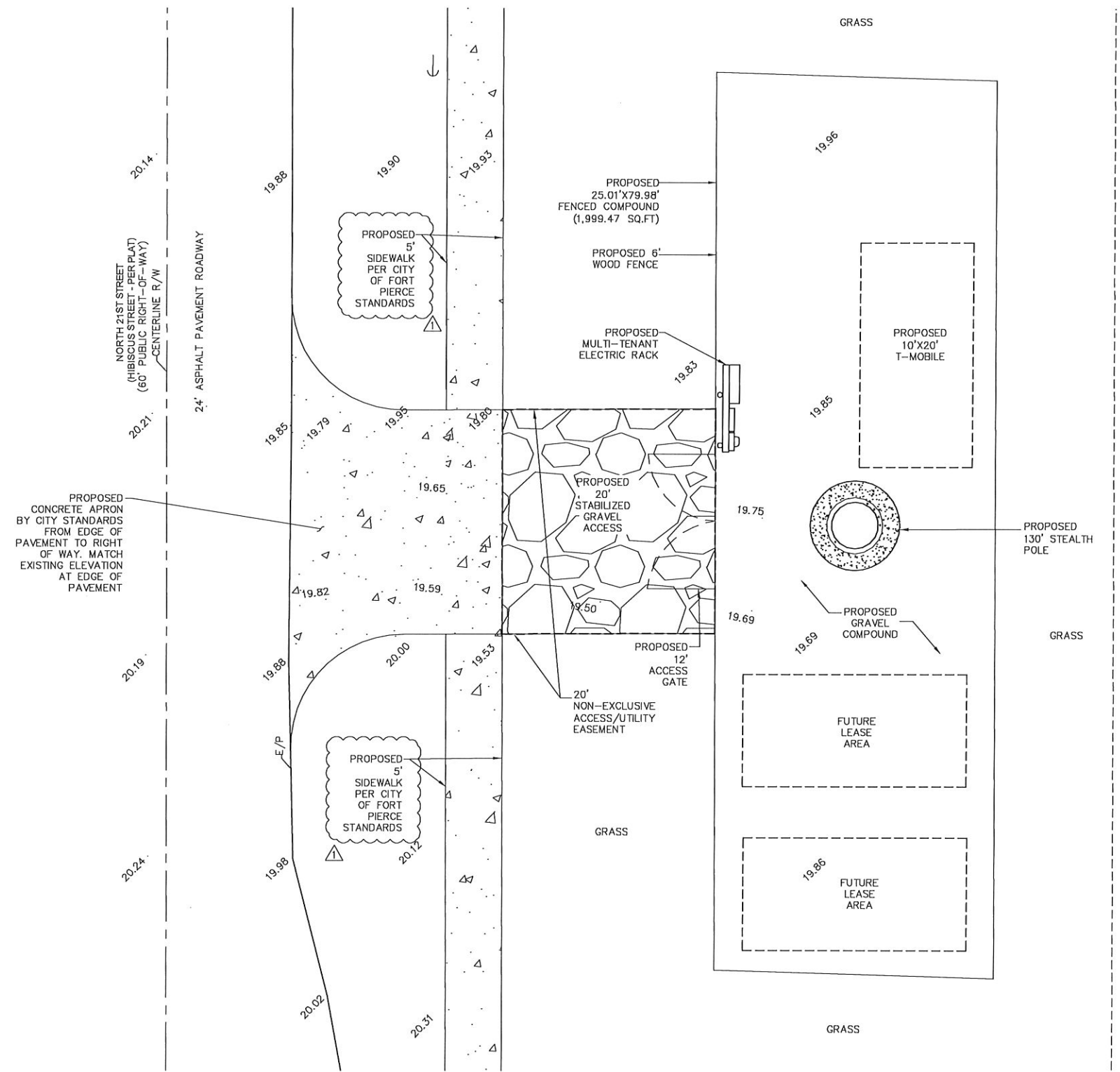
SHEET TITLE:  
RG TOWERS COMPOUND  
PLAN & TOWER ELEVATION

SHEET NUMBER: REVISION:  
**2/3**

KHA Job #:  
144042047

FLOOD ZONE INFORMATION					
COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION
120286	0178	J	02/16/2012	X	N/A

19.83 EXISTING GRADES NAVD 88



**DRAINAGE CALCULATIONS:**

I. GENERAL SITE PLAN INFORMATION:

GRAVEL COMPOUND AREA: 1,999.47 SF  
 IMPERVIOUS AREA:  
 PROPOSED TOWER FOUNDATION = 50 SF  
 PROPOSED FUTURE EQUIPMENT SLABS: 450 SF  
 EQUIPMENT SLABS, 3 CARRIER @ 150 SF EACH

TOTAL IMPERVIOUS AREA: 500 SF

TOTAL PERVIOUS AREA: 1,499.47 SF

II. CALCULATE REQUIRED STORAGE RUNOFF:

1. 1" OF RUNOFF OVER TOTAL SITE  
 $Q = 1,999.47 \text{ SF} \times 1" \times 1'/12"$   
 $Q = 166.6 \times 50\% \text{ (ALLOWABLE REDUCTION)}$   
 $Q = 83.3 \text{ CF}$

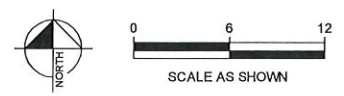
III. STORAGE VOLUME PROVIDED:

No. 57 STONE COMPOUND, 4" LAYER, 1,999.47 SF  
 COMPOUND. ASSUME 40% VOIDS RATIO.

RETENTION VOLUME PROVIDED =  $(1,999.47 \text{ SF} - 500 \text{ SF}) \times 0.4 \times 4"/12" = 199.9 \text{ CF}$

RETENTION VOLUME PROVIDED = 199.9 CF

RETENTION VOLUME PROVIDED IS GREATER THAN REQUIRED VOLUME



**STORM DRAINAGE PLAN**

NOTE:  
 ALL STORM DRAINAGE FACILITIES SHALL CONFORM TO CHAPTERS 17 AND 18 OF THE FORT PIERCE CODE OF ORDINANCES AND THE "STANDARD SPECIFICATIONS" ADOPTED BY THE CITY COMMISSION ON FEBRUARY 13, 1973.

RG Towers, LLC  
 2141 Alternate A1A South, Suite 440  
 Jupiter, FL 33477

PROJECT INFORMATION:  
**FT PIERCE-ORANGE AVE**  
 2006 ORANGE AVE  
 FORT PIERCE, FL 34950  
 ST LUCIE COUNTY

CURRENT ISSUE DATE:  
**OCTOBER 2018**

ISSUED FOR:  
**SITE PLAN REVIEW**

REV. DATE	DESCRIPTION
10-19-18	PER CITY COMMENTS

SEAL:  
 MARIA VICTORIA MARTIN  
 LICENSE  
 No. 72397  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

DESIGNED BY:  
**Kimley-Horn**  
 © 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
 1920 WEKIVA WAY, SUITE 200  
 WEST PALM BEACH, FLORIDA 33411  
 (561) 845-0665  
 FBPE CA00000696

PROVIDER:  
 DRAWN BY: **MM** CHK.: **LF** APV.: **MM**

LICENSURE:  
 MARIA VICTORIA MARTIN PE 72397

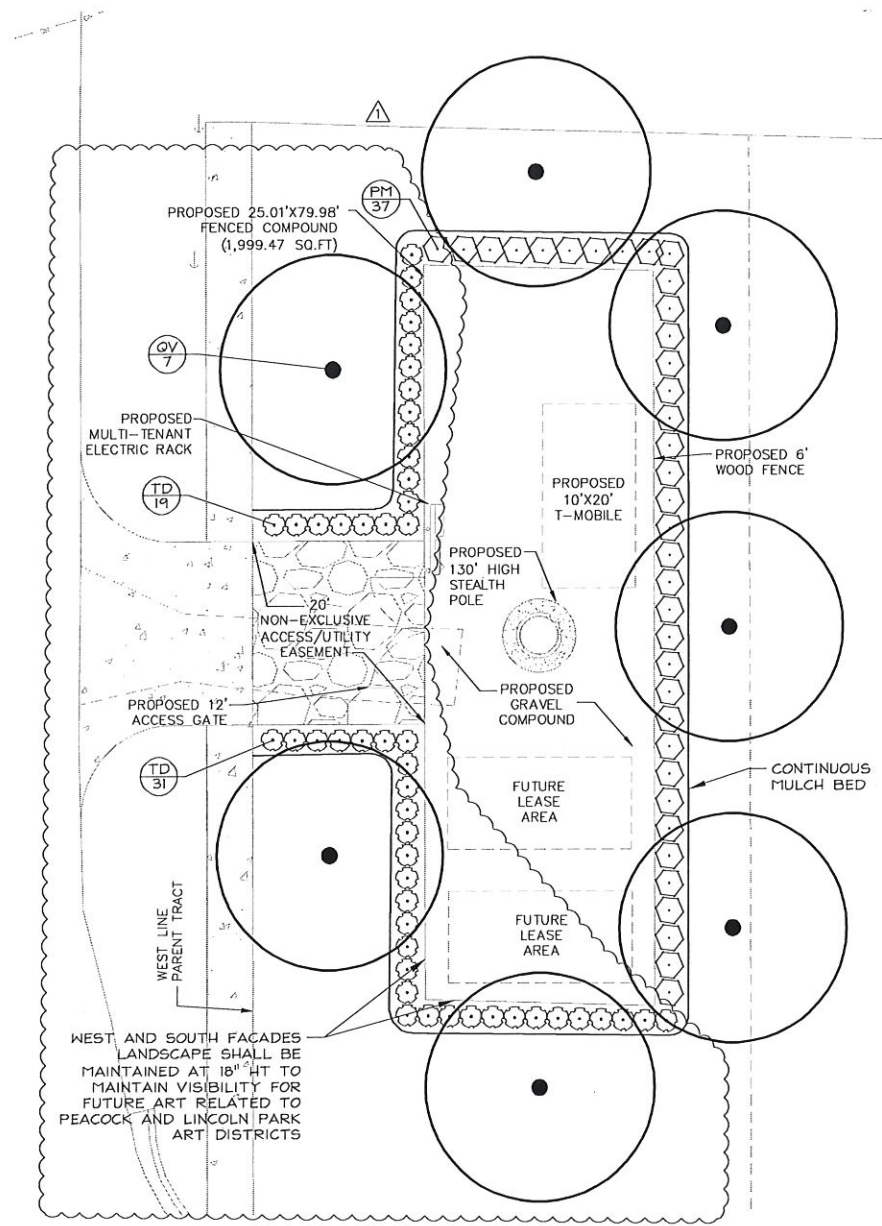
SHEET TITLE:  
**STORM DRAINAGE PLAN**

SHEET NUMBER: **3/3** REVISION:

KHA Job #:  
**144042047**

Drawing name: K:\WPB\_Civil\CELL SITES\RG Towers\144042047 Ft. Pierce-2006 Orange Ave\add\2da\Site Plan.dwg 3 of 3 Oct 19, 2018 11:01am by: MariaMartin

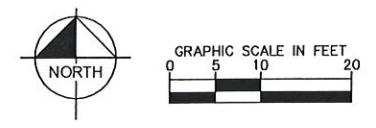
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**PLANT SCHEDULE**

TREES	BOTANICAL NAME	COMMON NAME	CONT	CAL.	SIZE	QTY
QV	Quercus virginiana	Southern Live Oak	30 gal	3" Cal.	10'HT X 5'SPR	7
SHRUBS	BOTANICAL NAME	COMMON NAME	CONT	O.C.	SIZE	QTY
PM	Podocarpus macrophyllus	Podocarpus	7 gal	36" O.C.	6'H Min	37
TD	Tripsacum floridanum	'Dwarf' Florida Gamagrass	Cont.	30" O.C.	18" HT	50

CODE COMPLIANCE SUMMARY:	
PERIMETER BUFFER REQUIRED:	PROVIDED:
SHADE TREES 1/30 LF 190 LF / 30 LF	7 SHADE TREES
CONTINUOUS HEDGE 6' H	CONTINUOUS HEDGE



**PLANTING NOTES:**

1. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
3. PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT.
4. ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
5. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
6. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
7. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
8. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY TYING INTO THE EXISTING AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

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**RG Towers, LLC**  
2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477

PROJECT INFORMATION:  
**FT PIERCE-ORANGE AVE**  
2006 ORANGE AVE  
FORT PIERCE, FL 34950  
ST LUCIE COUNTY

CURRENT ISSUE DATE:  
**OCTOBER 2018**

ISSUED FOR:  
**LANDSCAPE PLANS**

REV.:	DATE:	DESCRIPTION:
1	10-19-18	PER CITY COMMENTS



PLANS PREPARED BY:  
**Kimley»Horn**  
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1920 WEKIVA WAY, SUITE 200  
WEST PALM BEACH, FLORIDA 33411  
(561) 845-0665  
FBPE CA0000696

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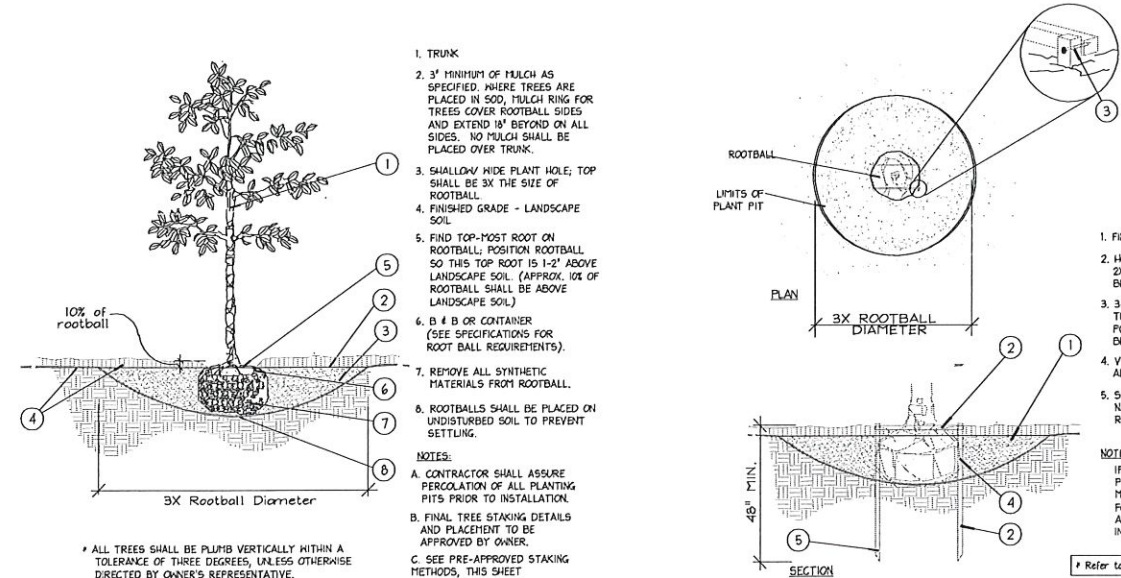
DRAWN BY:	CHK.:	APV.:
MM	LF	MM

LICENSURE:  
JONATHAN D. HAIGH, PLA      LA#6866795

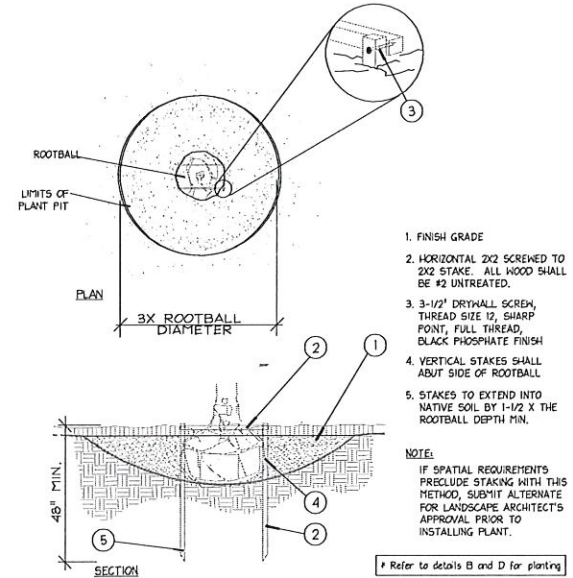
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**LANDSCAPE PLANS**

SHEET NUMBER: **L-1**      REVISION:

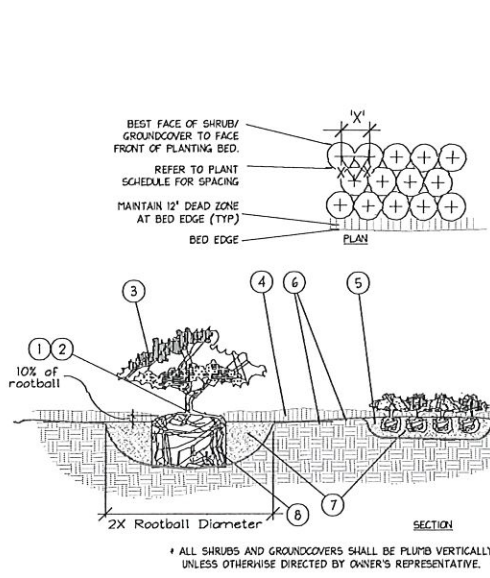
KHA Job #:  
**144042047**



**Tree Planting**  
SECTION NTS



**Staking - up to 65 gal.**  
PLAN/SECTION NTS



**Shrub / Groundcover Planting**  
PLAN/SECTION NTS



- A. SCOPE OF WORK**  
 1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.  
 2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.
- B. PROTECTION OF EXISTING STRUCTURES**  
 ALL EXISTING BUILDINGS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE UNSHAPEN AND/OR UNSUITABLE SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
- D. MATERIALS**  
 1. PLANT MATERIALS  
 A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADING AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.  
 B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.  
 C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

- E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)**  
 1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW.  
 2. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.  
 3. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.  
 4. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.  
 5. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
- F. WATER**  
 WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.  
 \*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- G. FERTILIZER**  
 CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.  
 \*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- H. MULCH**  
 MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: PINE STRAW.
- I. PLANTING PROCEDURES**  
 1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL PORTAL, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CONTRACTOR MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.  
 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.  
 3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 3". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 3" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.

- J. LAWN SODDING**  
 1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.  
 2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.  
 3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. NET PREPARED AREA THROUGHOUT.  
 4. SODDING  
 A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.  
 B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.  
 C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOD SODDED LAWN AREA. SOD SHALL BE LAID UNFORMALLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS. PAVED AND PLANTED AREAS ADJACENT TO BUILDINGS, A 24 INCH STONE FLOOR STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.  
 5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SHEATHING OR EXCESSIVE HEAT AND MOISTURE.  
 6. LAWN MAINTENANCE:  
 A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).  
 B. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.
- K. CLEANUP**  
 UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

- NOTES:**  
 1. FIND POINT WHERE TOPMOST ROOT EMERGES FROM TRUNK WITHIN 2" OF SURFACE. CLEAR EXCESS SOIL IF NECESSARY.  
 2. TOP 10% OF SHRUB AND GROUNDCOVER ROOTBALLS TO BE PLANTED ABOVE THE LANDSCAPE GRADE TO NOT COVER EXPOSED 1/8" ON SIDES WITH SOIL.  
 3. PRUNE ALL LIKE SHRUBS WITHIN A PLANTED MASS TO ACHIEVE A UNIFORM MASS/HEIGHT.  
 4. 3" MINIMUM MULCH AS SPECIFIED - DO NOT COVER ENTIRE SHRUB ROOTBALL OR CREATE 'WATER RINGS' ONLY COVER SIDES OF ROOTBALL WITH MULCH.  
 5. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.  
 6. FINISHED GRADE (SEE GRADING PLAN).  
 7. PREPARED PLANTING SOIL AS SPECIFIED. NOTE WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE ATTENDED WITH PLANTING SOIL MIX AS SPECIFIED.  
 8. SCARIFY ROOTBALL SIDES AND BOTTOM.

**RG Towers, LLC**  
 2141 Alternate A1A South, Suite 440  
 Jupiter, FL 33477

PROJECT INFORMATION:  
**FT PIERCE-ORANGE AVE**  
 2006 ORANGE AVE  
 FORT PIERCE, FL 34950  
 ST LUCIE COUNTY

CURRENT ISSUE DATE:  
 OCTOBER 2018

ISSUED FOR:  
 LANDSCAPE PLANS

REV.: DATE: DESCRIPTION:

SEAL:

PLANS PREPARED BY:  
**Kimley-Horn**  
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 1920 WEKIVA WAY, SUITE 200  
 WEST PALM BEACH, FLORIDA 33411  
 (561) 845-0665  
 FBPE CA00000696

PROVIDER:

DRAWN BY: CHK.: APV.:  
 MM LF MM

LICENSURE:  
 JONATHAN D. HAIGH, PLA LA#666795

SHEET TITLE:  
 LANDSCAPE DETAILS

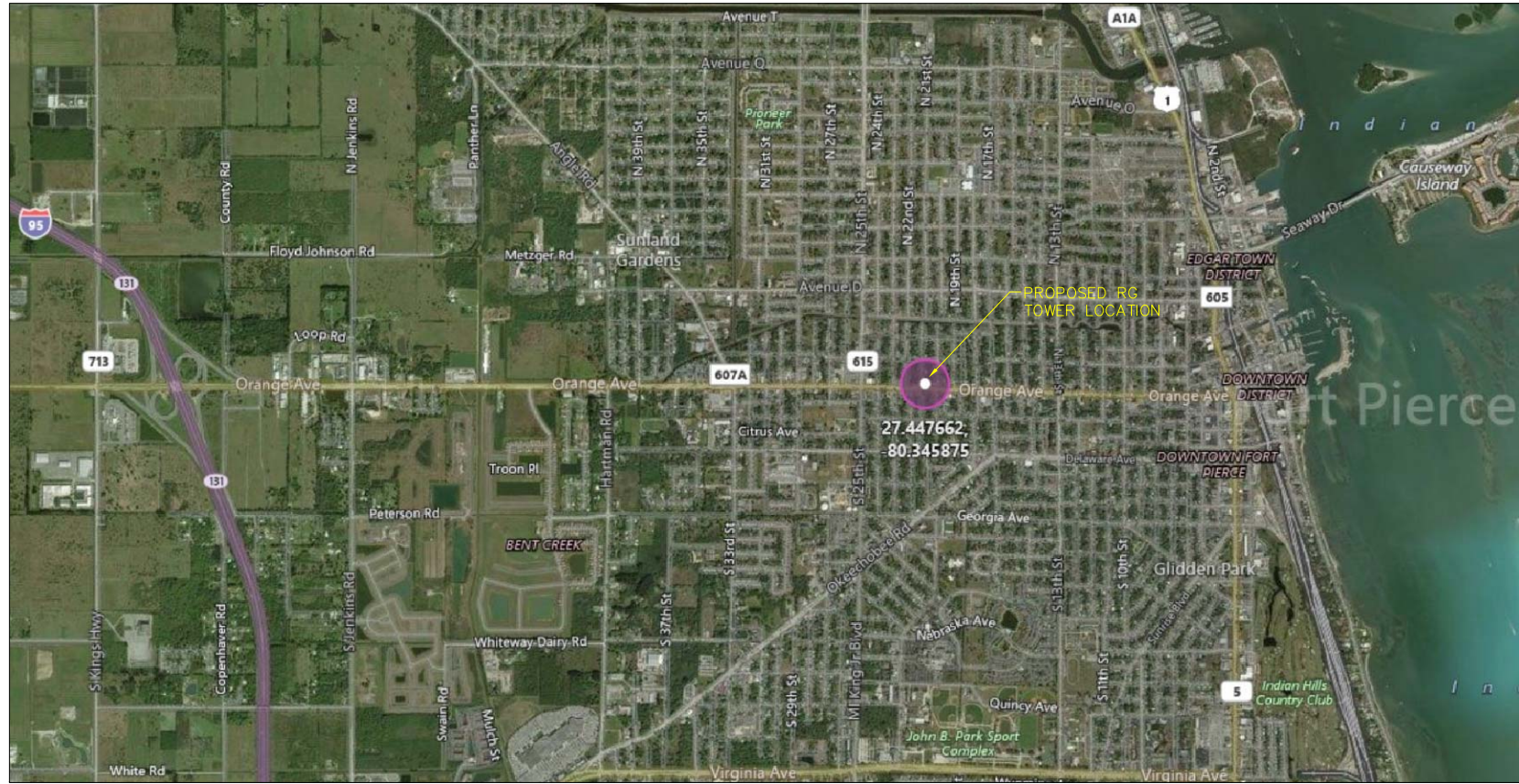
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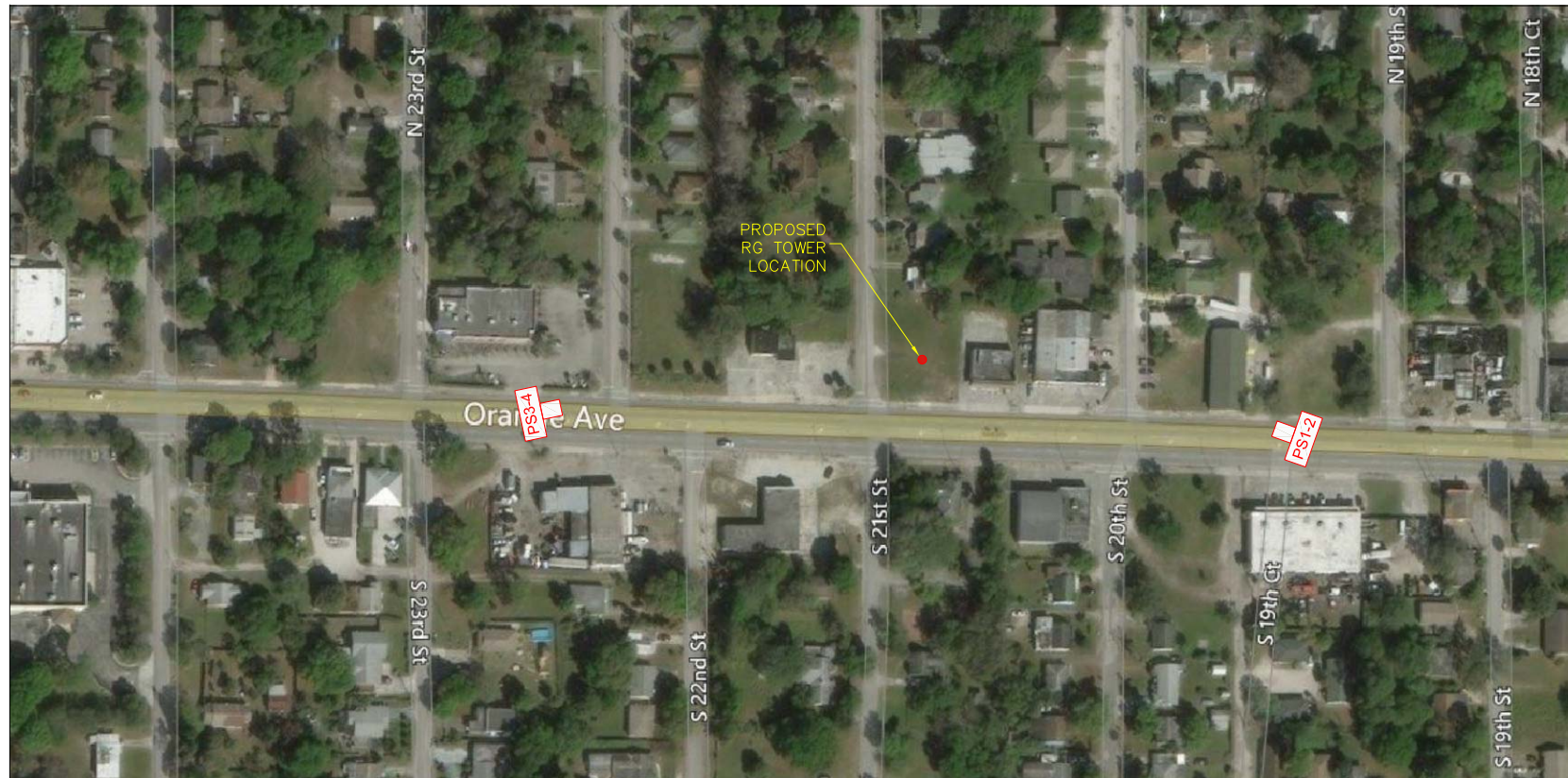
KHA Job #:  
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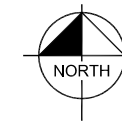
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VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.



**RG Towers, LLC**  
2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477

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WEST PALM BEACH, FLORIDA 33411  
(561) 845-0665  
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LICENSURE:  
MARIA VICTORIA MARTIN    PE 72397

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PHOTO SIMULATION  
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SHEET NUMBER: **PS**    REVISION:

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Elevation before installing 130' Unipole.

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LICENSURE:

MARIA VICTORIA MARTIN PE 72397

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 LOOKING EAST BEFORE

SHEET NUMBER: REVISION:

**PS1**

KHA Job #:

144042047

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PROPOSED RG TOWERS  
130' UNIPOLE

RG Towers, LLC

2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477

PROJECT INFORMATION:

FT PIERCE-ORANGE AVE

2006 ORANGE AVE  
FORT PIERCE, FL 34950  
ST LUCIE COUNTY

CURRENT ISSUE DATE:

OCTOBER 2018

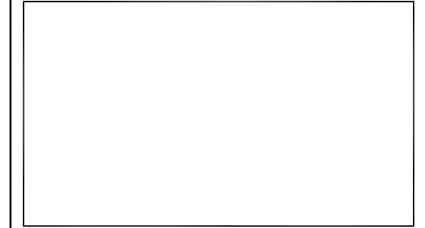
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SHEET TITLE:

PHOTO SIMULATION  
LOOKING EAST AFTER

SHEET NUMBER: REVISION:

**PS2**

KHA Job #:

144042047

Elevation after installing 130' Unipole.

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Elevation before installing 130' Unipole.

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Jupiter, FL 33477

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FORT PIERCE, FL 34950  
ST LUCIE COUNTY

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LICENSURE:

MARIA VICTORIA MARTIN PE 72397

SHEET TITLE:

PHOTO SIMULATION  
LOOKING WEST BEFORE

SHEET NUMBER: REVISION:

**PS3**

KHA Job #:

144042047

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PROPOSED RG TOWERS  
130' UNIPOLE

Elevation after installing 130' Unipole.

**RG Towers, LLC**  
2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477

PROJECT INFORMATION:

**FT PIERCE-ORANGE AVE**  
2006 ORANGE AVE  
FORT PIERCE, FL 34950  
ST LUCIE COUNTY

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LOOKING EAST AFTER

SHEET NUMBER: REVISION:

**PS4**

KHA Job #:

144042047

This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



**RG Towers, LLC**

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

**RE: RG Towers - Ft Pierce- Orange Ave**

Attached please find the following documents **(one original and ten copies and one CD)** to complete our submittal for a new communication tower per the code Sec. 22-159 (B) - Antenna support structure

- |   |   |
|---|---|
| (1) Application and fee 250.00                      | (8) Notice of Shared Use                  |
| (2) 24 x 36 Site and landscape plan                 | (9) Propagation Maps                      |
| (3) An elevation as part of the plans               | (10) RF Report                            |
| (4) FAA compliance                                  | (11) Structural calculations.             |
| (5) FCC Compliance <u>To be filed upon approval</u> | (12) Affidavit re: section 22-163 Removal |
| (6) Relevant easements.                             | (13) A lease agreement- T-Mobile          |
| (7) Intent of Shared Use.                           | (14) PE letter                            |
|   | (15) Copy of previously submitted bond    |

Also, please find the following per the Site plan submittal requirements per the Developmental review application:

- A Warranty Deed
- B SLC Property Record Card
- C Character and intended use statement
- D General location map
- E Survey
- F Storm Drainage plan (part of plans)
- G Beach/Dune System protection letter
- H Lighting Plan letter

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations



RG Towers, LLC

5-10-18

RE: RG Towers-Ft Pierce- Orange Ave Lighting Plan- Section 22-58-D.8

There is no proposed lighting at the proposed development and hence section 22.58.D.8 below is not applicable

(8)

A lighting plan which shows illumination of all interior and immediately adjoining streets as follows:

a.

At least one (1) average foot-candle for streets classified as collector classified as collector, arterial or higher;

b.

At least five-tenths average foot-candle for streets other than as described in the immediately foregoing subsection;

c.

At least one (1) average foot-candle for specially designated pedestrian walkways.

The uniformity ratio for lighting required by this section shall be an average/minimum ratio of ten (10) to one (1). There shall be included with the lighting plan a statement of a registered engineer or architect showing calculations demonstrating compliance with this section to the city engineer and such statement shall be subject to the city engineer's approval. Subsequently a certificate of occupancy may not be issued until there is filed with the director a certificate from a registered engineer or architect of design that the lighting installation meets the requirements of this section.

Sincerely,

Holly Valdez  
V.P. Operations  
RG Towers, LLC



RG Towers, LLC

5-10-18

RE: RG Towers-FT Pierce Orange Ave Beach Dune Protection Plan- Section 22-58-D.7

The proposed development is greater than three miles to the beach and hence section 22.58.D.7 below is not applicable

(7)

*A plan providing, where applicable, for the protection of the beach and dune system. The plan shall include these requirements:*

*a.*

*Demonstration of compliance with the coastal construction control line established pursuant to Chapter 161, Florida Statutes;*

*b.*

*All beach access points are to be provided as beach/dune walkovers in accordance with the requirements of the Florida Department of Natural Resources;*

*c.*

*No construction which threatens the stability of the primary dune or beach itself shall be permitted;*

*d.*

*No rigid shore protection structures shall be permitted except when used as part of a comprehensive plan for beach restoration and when nonstructural alternatives are unavailable;*

*e.*

*Demonstration of dune restoration measures conforming to the requirements of the Florida Department of Natural Resources.*

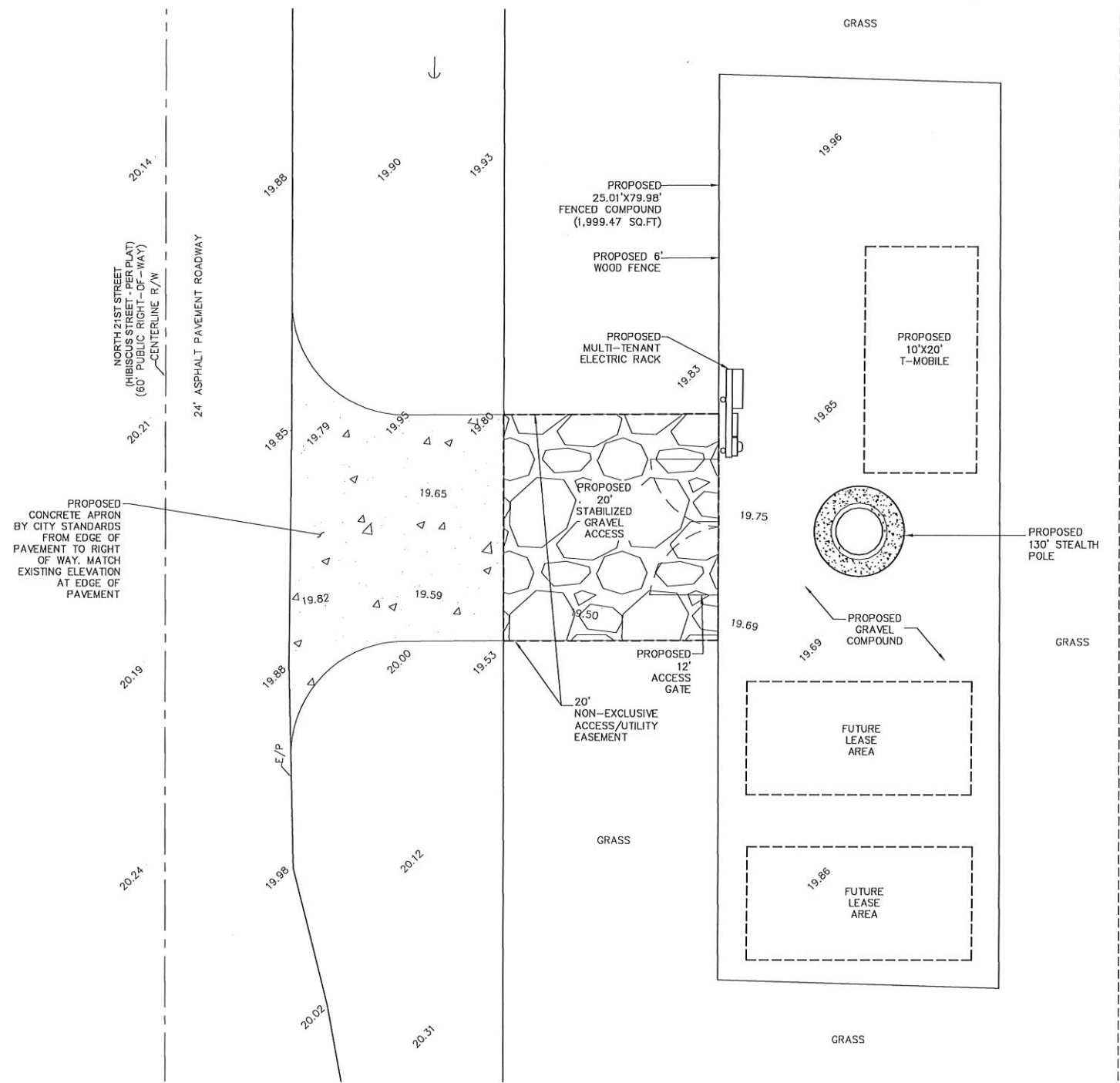
Sincerely,

Holly Valdez  
V.P. Operations  
RG Towers, LLC

**FLOOD ZONE INFORMATION**

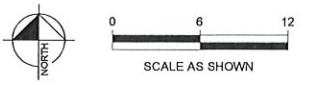
COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION
120286	017B	J	02/16/2012	X	N/A

19.83 EXISTING GRADES NAVD 88



**DRAINAGE CALCULATIONS:**

- I. GENERAL SITE PLAN INFORMATION:
  - GRAVEL COMPOUND AREA: 1,999.47 SF
  - IMPERVIOUS AREA:
    - PROPOSED TOWER FOUNDATION = 50 SF
    - PROPOSED FUTURE EQUIPMENT SLABS: 450 SF
    - EQUIPMENT SLABS, 3 CARRIER @ 150 SF EACH
  - TOTAL IMPERVIOUS AREA: 500 SF
  - TOTAL PERVIOUS AREA: 1,499.47 SF
- II. CALCULATE REQUIRED STORAGE RUNOFF:
  - 1. 1" OF RUNOFF OVER TOTAL SITE
    - Q = 1,999.47 SF X 1" X 1"/12"
    - Q = 166.6 X 50% (ALLOWABLE REDUCTION)
    - Q = 83.3 CF
- III. STORAGE VOLUME PROVIDED:
  - No. 57 STONE COMPOUND, 4" LAYER, 1,999.47 SF COMPOUND. ASSUME 40% VOIDS RATIO.
  - RETENTION VOLUME PROVIDED = (1,999.47 SF - 500 SF) X 0.4 X 4"/12" = 199.9 CF
  - RETENTION VOLUME PROVIDED = 199.9 CF
  - RETENTION VOLUME PROVIDED IS GREATER THAN REQUIRED VOLUME



**STORM DRAINAGE PLAN**

NOTE: ALL STORM DRAINAGE FACILITIES SHALL CONFORM TO CHAPTERS 17 AND 18 OF THE FORT PIERCE CODE OF ORDINANCES AND THE "STANDARD SPECIFICATIONS" ADOPTED BY THE CITY COMMISSION ON FEBRUARY 13, 1973.

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

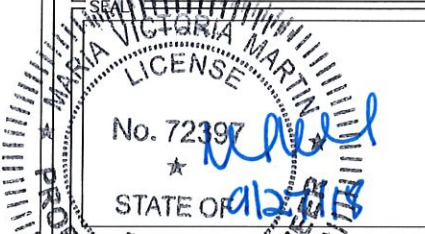
**RG Towers, LLC**  
2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477

PROJECT INFORMATION:  
**FT PIERCE--ORANGE AVE**  
2006 ORANGE AVE  
FORT PIERCE, FL 34950  
ST LUCIE COUNTY

CURRENT ISSUE DATE:  
SEPTEMBER 2018

ISSUED FOR:  
SITE PLAN REVIEW

REV. DATE	DESCRIPTION



PLANS PREPARED BY  
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1920 WEKIVA WAY, SUITE 200  
WEST PALM BEACH, FLORIDA 33411  
(561) 845-0665  
FBPE CA00006596

PROVIDER:

DRAWN BY: CHK. APV.:  
MM LF MM

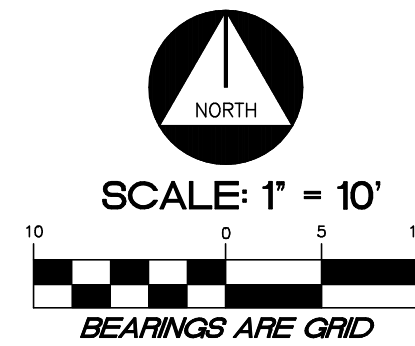
LICENSURE:  
MARIA VICTORIA MARTIN PE 72397

SHEET TITLE:  
**STORM DRAINAGE PLAN**

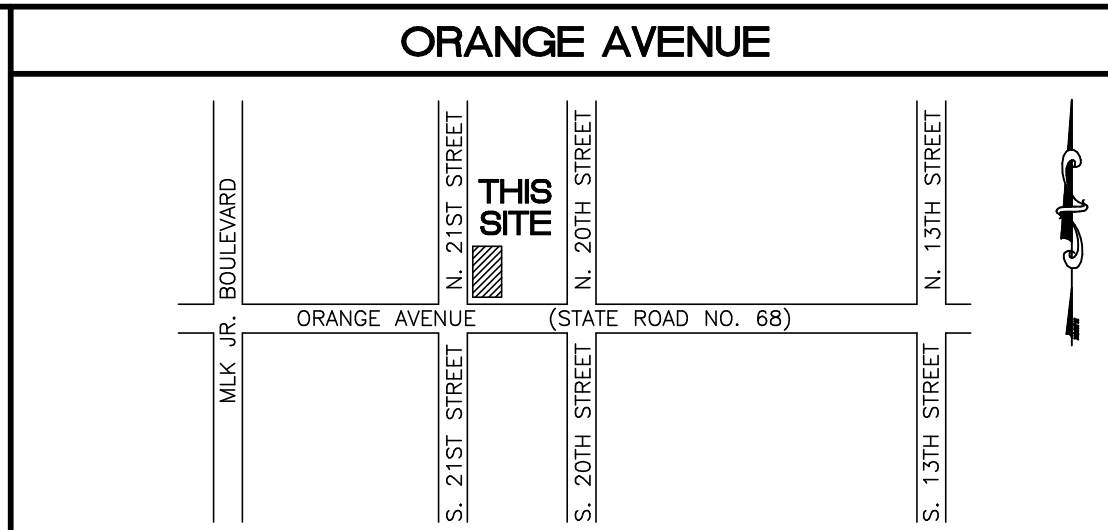
SHEET NUMBER: REVISION:  
**3/3**

KHA Job #:  
**144042047**

**SKETCH OF PARENT TRACT BOUNDARY  
DETAIL OF RG TOWERS LEASE PARCEL  
NON-EXCLUSIVE ACCESS AND UTILITY EASEMENT  
2006 ORANGE AVENUE, FORT PIERCE, FL 34950  
ORANGE AVENUE**



**BEARING NOTE**  
THE BEARINGS SHOWN HEREON ARE GRID NORTH AND RELATIVE TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FLORIDA PERMANENT REFERENCE NETWORK (FPRN) THAT IS RELATIVE TO THE NORTH AMERICAN DATUM OF 1983/2011 (NAD83/2011), AS PROJECTED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE).  
THE BEARING REFERENCE LINE IS THE NORTH LINE OF BLOCK 3, FLORIANA PARK, PLAT BOOK 2, PAGE 7, SAINT LUCIE COUNTY PUBLIC RECORDS, HAVING A GRID BEARING OF S88°19'00"E.



**LOCATION SKETCH**  
SECTION 09-T355-R40E  
NOT TO SCALE

- LEGEND**
- P.O.C. POINT OF COMMENCEMENT
  - P.O.B. POINT OF BEGINNING
  - S.L.C.R. ST. LUCIE COUNTY RECORDS
  - R/W RIGHT-OF-WAY
  - E/P EDGE OF PAVEMENT
  - O.R. OFFICIAL RECORD
  - (P) PLAT
  - SPOT ELEVATION
  - PINE TREE
  - HANDICAP PARKING
  - WOOD UTILITY POLE
  - OH — OVERHEAD UTILITY
  - WM WATER METER
  - SM SANITARY MANHOLE
  - GUY ANCHOR WIRE
  - SC SANITARY CLEANOUT
  - FD FIRE HYDRANT
  - BOLLARD
  - ES ELECTRIC SERVICE
  - LP LAMP POST
  - EM ELECTRIC METER
  - GA GAS METER
  - STORE SIGN

**DESCRIPTION OF PARENT TRACT**  
(PER OFFICIAL RECORD BOOK 3822, PAGE 1761 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA)

LOTS 3, 4 AND 5, LESS THE SOUTH 15 FEET THEREOF, BLOCK 3 OF FLORIANA PARK, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 2, PAGE 7C, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

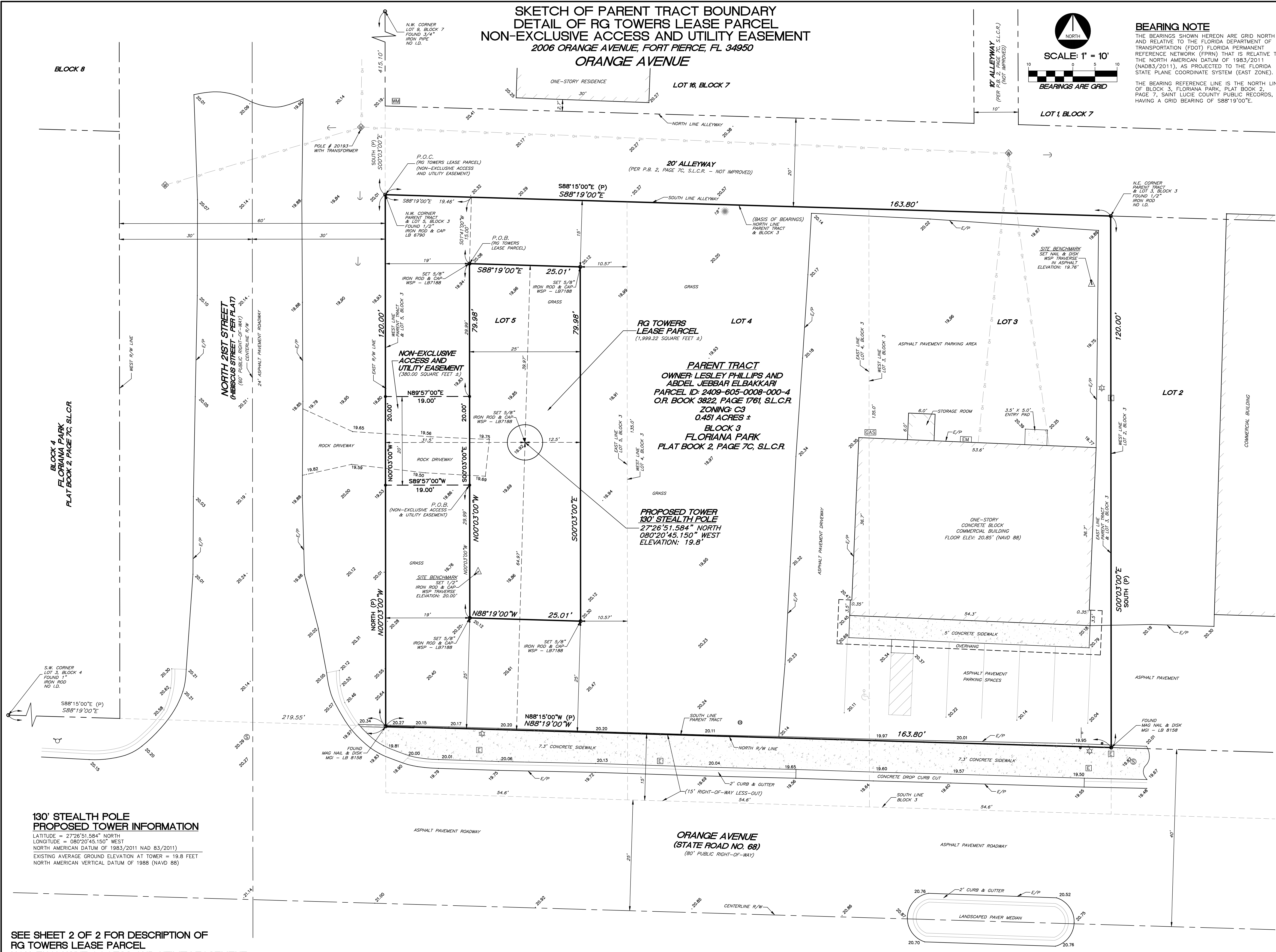
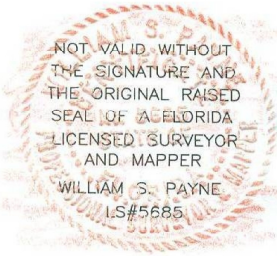
**REPORT OF BOUNDARY AND TOPOGRAPHIC SURVEY**

1. THE PARENT TRACT SHOWN HEREON IS BASED ON A SEARCH CONDUCTED BY WSP CONSULTANTS, INC. OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA. THE REPORT OF TITLE PREPARED BY U.S. TITLE SOLUTIONS, DATED OCTOBER 14, 2017, FILE NO. 58394-FL1710-5030.
2. UNLESS OTHERWISE NOTED HEREON RECORD AND MEASURED VALUES (SHOWN) ARE IN SUBSTANTIAL AGREEMENT.
3. THE PURPOSE OF THIS SURVEY IS TO LOCATE THE EXISTING FEATURES WITHIN THE PARENT TRACT FOR THE FUTURE INSTALLATION OF A COMMUNICATIONS FACILITY.
4. THE EXPECTED USE OF THE SURVEY AND MAP IS FOR THE PREPARATION OF LEASE AGREEMENTS, DESIGN PLANS, PERMITTING SETS AND CONSTRUCTION OF A MONOPOLE TOWER ON THE PARENT TRACT.
5. THIS SURVEY IS CLASSIFIED AS COMMERCIAL/HIGH RISK AND EXCEEDS THE MINIMUM RELATIVE DISTANCE ACCURACY OF 1 FOOT IN 10,000 FEET AS REQUIRED BY THE FLORIDA STANDARDS OF PRACTICE (5J-17.051 THROUGH 5J-17.053 F.A.C.). THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THIS REQUIREMENT.
6. ALL MEASUREMENTS ARE IN ACCORDANCE WITH THE UNITED STATES STANDARD, IN FEET.
7. THE HORIZONTAL FEATURES SHOWN HEREON ARE PLOTTED TO WITHIN 1/20 OF THE MAP SCALE.
8. HORIZONTAL AND VERTICAL DATA SHOWN HEREON WAS OBTAINED UTILIZING A "LEICA TORP1205+" TOTAL STATION AND "ALLEGRO MX CARLSON" DATA COLLECTION SYSTEM.
9. ELEVATIONS OF WELL-IDENTIFIED FEATURES CONTAINED IN THIS SURVEY AND MAP HAVE BEEN MEASURED TO AN ESTIMATED VERTICAL ACCURACY OF 0.1'.
10. HORIZONTAL FEATURE LOCATION IS TO THE CENTER OF THE SYMBOL AND MAY BE ENLARGED FOR CLARITY.
11. UNDERGROUND FOUNDATIONS AND/OR UTILITIES HAVE NOT BEEN LOCATED.
12. FLOOD ZONE INFORMATION SHOWN HEREON WAS OBTAINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM).
13. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE REFERENCED TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FLORIDA PERMANENT REFERENCE NETWORK (FPRN), THE MEASUREMENTS WERE OBTAINED UTILIZING A "HEMISPHERE S320 GNSS" RTK GPS RECEIVER.
14. THE VALUES FOR THE LATITUDE, LONGITUDE AND ELEVATIONS SHOWN HEREON ARE WITHIN THE ALLOWABLE TOLERANCES FOR THE FEDERAL AVIATION ADMINISTRATION 1-A LETTER.
15. THE LATITUDE AND LONGITUDE SHOWN HEREON WERE OBTAINED UTILIZING THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FLORIDA PERMANENT REFERENCE NETWORK (FPRN) THAT IS RELATIVE TO THE NORTH AMERICAN DATUM OF 1983/2011 (NAD83/2011), AS PROJECTED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE). THE MEASUREMENTS WERE OBTAINED UTILIZING A "HEMISPHERE S320 GNSS" RTK GPS RECEIVER.
16. THE RG TOWERS LEASE PARCEL SHOWN IN THIS SURVEY LIES ENTIRELY WITHIN THE DESCRIBED PARENT TRACT.
17. THE SURVEYOR HAS REVIEWED THE REPORT OF TITLE PREPARED BY U.S. TITLE SOLUTIONS, DATED OCTOBER 14, 2017, FILE NO. 58394-FL1710-5030. ALL PLOTTABLE MATTERS OF RECORD IDENTIFIED IN THE REPORT OF TITLE THAT ARE PERTINENT TO THE RG TOWERS LEASE PARCEL AND ITS ACCESS AND UTILITY EASEMENT, IF APPLICABLE, HAVE BEEN SHOWN OR NOTED ON THIS SURVEY. THE SURVEYOR RELIES SOLELY UPON THAT REPORT OF TITLE WITH RESPECT TO EASEMENTS, RIGHTS-OF-WAY, SETBACK LINES AGREEMENTS, RESERVATIONS AND OTHER SIMILAR MATTERS.
18. BASED UPON THE REPORT OF TITLE, THE RG TOWERS LEASE PARCEL HAS ACCESS TO N. 21ST STREET, A PUBLIC RIGHT-OF-WAY, BY MEANS OF THE ACCESS AND UTILITY EASEMENT DEPICTED HEREON. THE EASEMENT LIES ENTIRELY WITHIN THE LANDS OF THE OWNER(S) OF THE PARCEL DESCRIBED IN SAID REPORT OF TITLE AND NO EASEMENTS OR RIGHTS OF OTHER THIRD PARTIES DISCLOSED BY THAT REPORT OF TITLE WOULD PRECLUDE ACCESS OVER THE PARENT TRACT FROM THE RG TOWERS LEASE PARCEL TO THAT PUBLIC RIGHT-OF-WAY.
19. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
20. SURVEY DATE: FIELD SURVEY WAS COMPLETED OCTOBER 10, 2017, WHICH IS THE DATE OF DATA ACQUISITION.

**CERTIFICATE**

I, WILLIAM S. PAYNE, DO HEREBY STATE THAT THIS MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY WAS PERFORMED UNDER MY DIRECT SUPERVISION AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER STATE THAT THIS MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY WAS COMPLETED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING AND MAPPING STATED IN RULES 5J-17.051 THROUGH 5J-17.053 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO FLORIDA STATUTES CHAPTER 472.027.

*W. Payne*  
WILLIAM S. PAYNE  
PROFESSIONAL SURVEYOR AND MAPPER #LS 5685  
WSP CONSULTANTS, INC. #LB 7188  
STATE OF FLORIDA



**130' STEALTH POLE  
PROPOSED TOWER INFORMATION**  
LATITUDE = 27°26'51.584" NORTH  
LONGITUDE = 080°20'45.150" WEST  
NORTH AMERICAN DATUM OF 1983/2011 NAD 83(2011)  
EXISTING AVERAGE GROUND ELEVATION AT TOWER = 19.8 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

SEE SHEET 2 OF 2 FOR DESCRIPTION OF  
RG TOWERS LEASE PARCEL  
NON-EXCLUSIVE ACCESS AND UTILITY EASEMENT  
SEE SHEET 2 OF 2 FOR REVIEW OF TITLE SEARCH REPORT

FLOOD ZONE INFORMATION					
COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION
120286	0178	J	02/16/2012	X	N/A

FIELD SURVEY DATE:	10/10/2017				
DRAWN:	WSP				
CHECKED:	WSP	2	06/25/2018	UPDATE TOWER HEIGHT / TYPE AND REVISE LEASE / EASEMENT DESCRIPTION	WSP
MANAGER:	WSP	1	01/23/2018	REVISE SURVEY TO ADDRESS ST. LUCIE COUNTY SURVEYOR COMMENTS	WSP
DWG FILE:	17-1404.DWG	No.	DATE	REVISION	BY

**WSP Consultants, Inc.**  
**SURVEYORS & MAPPERS**  
18815 ANNELIS DRIVE, LUTZ, FL 33548  
PHONE (813) 909-2420  
PROFESSIONAL SURVEYING & MAPPING CERTIFICATE OF AUTHORIZATION:  
LB 7188, STATE OF FLORIDA

**MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY**  
**ORANGE AVENUE**  
PREPARED FOR:  
**RG Towers, LLC**  
LOCATED IN:  
**ST. LUCIE COUNTY, FLORIDA**

PROJECT NO:  
**17-1404**

SHEET NO:  
**1 OF 2**

**ORANGE AVENUE**

**LOCATION SKETCH**  
SECTION 09-T355-R40E  
NOT TO SCALE

**130' STEALTH POLE  
PROPOSED TOWER INFORMATION**  
LATITUDE = 27°26'51.584" NORTH  
LONGITUDE = 080°20'45.150" WEST  
NORTH AMERICAN DATUM OF 1983/2011 NAD 83/2011  
EXISTING AVERAGE GROUND ELEVATION AT TOWER = 19.8 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

**DESCRIPTION OF RG TOWERS LEASE PARCEL**

A PARCEL OF LAND BEING A PORTION OF LOT 5, BLOCK 3, FLORIANA PARK, AS RECORDED IN PLAT BOOK 2, PAGE 7C OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SAID LOT 5, BLOCK 3;  
 THENCE ON A GRID BEARING OF S88°19'00"E ALONG THE NORTH LINE OF LOT 5, BLOCK 3, A DISTANCE OF 19.46 FEET;  
 THENCE S01°41'00"W A DISTANCE OF 15.00 FEET TO A POINT ON A LINE 15.00 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID LOT 5, BLOCK 3, SAID POINT ALSO BEING THE POINT OF BEGINNING;  
 THENCE S88°19'00"E ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET;  
 THENCE S00°03'00"E A DISTANCE OF 79.98 FEET TO A POINT ON A LINE 25.00 FEET NORTH OF AND PARALLEL WITH THE NORTH RIGHT-OF-WAY LINE OF ORANGE AVENUE (80 FOOT PUBLIC RIGHT-OF-WAY);  
 THENCE N88°19'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET TO A POINT ON A LINE 19.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID LOT 5, BLOCK 3;  
 THENCE N00°03'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 79.98 FEET TO THE POINT OF BEGINNING;  
 SAID PARCEL OF LAND SITUATE WITHIN ST. LUCIE COUNTY, FLORIDA CONTAINING 1,999.22 SQUARE FEET MORE OR LESS.

**DESCRIPTION OF NON-EXCLUSIVE ACCESS AND UTILITY EASEMENT**

A PARCEL OF LAND BEING A PORTION OF LOT 5, BLOCK 3, FLORIANA PARK, AS RECORDED IN PLAT BOOK 2, PAGE 7C OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SAID LOT 5, BLOCK 3;  
 THENCE ON A GRID BEARING OF S88°19'00"E ALONG THE NORTH LINE OF LOT 5, BLOCK 3, A DISTANCE OF 19.46 FEET;  
 THENCE S01°41'00"W A DISTANCE OF 15.00 FEET TO A POINT ON A LINE 15.00 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID LOT 5, BLOCK 3;  
 THENCE S88°19'00"E ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET;  
 THENCE S00°03'00"E A DISTANCE OF 79.98 FEET TO A POINT ON A LINE 25.00 FEET NORTH OF AND PARALLEL WITH THE NORTH RIGHT-OF-WAY LINE OF ORANGE AVENUE (80 FOOT PUBLIC RIGHT-OF-WAY);  
 THENCE N88°19'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET TO A POINT ON A LINE 19.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID LOT 5, BLOCK 3;  
 THENCE N00°03'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 29.99 FEET TO THE POINT OF BEGINNING;  
 THENCE S89°57'00"W A DISTANCE OF 19.00 FEET TO A POINT ON THE WEST LINE OF SAID LOT 5, BLOCK 3, SAID POINT ALSO BEING ON THE EAST RIGHT-OF-WAY LINE OF NORTH 21ST STREET (60 FOOT PUBLIC RIGHT-OF-WAY);  
 THENCE N00°03'00"W ALONG SAID WEST LINE AND EAST RIGHT-OF-WAY LINE, A DISTANCE OF 20.00 FEET;  
 THENCE N89°57'00"E A DISTANCE OF 19.00 FEET;  
 THENCE S00°03'00"E A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING;  
 SAID PARCEL OF LAND SITUATE WITHIN ST. LUCIE COUNTY, FLORIDA CONTAINING 380.00 SQUARE FEET MORE OR LESS.

**REVIEW OF TITLE SEARCH REPORT**

I HAVE REVIEWED THE REPORT OF TITLE PREPARED BY U.S. TITLE SOLUTIONS, DATED OCTOBER 14, 2017, FILE NO. 58394-FL1710-5030, AND FIND AS FOLLOWS WITH RESPECT TO MATTERS OF RECORDS LISTED IN SAID REPORT.

1. TAXES, TAX LIENS, TAX SALES, WATER RATES, SEWER AND ASSESSMENTS SET FORTH IN SCHEDULE HEREIN.
2. MORTGAGES RETURNED HEREIN. (-3-). SEE SEPARATE MORTGAGE SCHEDULE.
3. ANY STATE OF FACTS WHICH AN ACCURATE SURVEY MIGHT SHOW OR SURVEY EXCEPTIONS SET FORTH HEREIN.
4. RIGHTS OF TENANTS OR PERSON IN POSSESSION.  
(JUDGMENTS, LIENS AND UCC)
5. NONE WITHIN PERIOD SEARCHED  
(COVENANTS/RESTRICTIONS)
6. NONE WITHIN PERIOD SEARCHED  
(EASEMENTS AND RIGHTS OF WAY)
7. NONE WITHIN PERIOD SEARCHED  
(OTHER FILED DOCUMENTS)
8. PLAT OF FORT PIERCE FARMS IN BOOK 2, PAGE 7-A.  
- PARENT TRACT DOES NOT LIE WITHIN SAID PLAT.
9. PLAT OF OAKLAND PARK IN BOOK 2, PAGE 7-B.  
- PARENT TRACT DOES NOT LIE WITHIN SAID PLAT.
10. PLAT OF FLORIANA PARK IN BOOK 2, PAGE 7-C.  
- BLANKET IN NATURE - PARENT TRACT LIES COMPLETELY WITHIN SAID PLAT.  
- THERE ARE NO EASEMENTS, RESTRICTIONS AND / OR SETBACKS DEPICTED ON SAID PLAT, NOTHING TO PLOT.
11. CERTIFICATION OF TRUST BETWEEN JOHN C. WALKER TRUST DATED JULY 26, 1994 AND JOHN C. WALKER, TRUSTEE OF THE JOHN C. WALKER TRUST DATED JULY 26, 1994 DATED 12/24/2015 RECORDED 12/31/2015 IN BOOK 3822, PAGE 1764.  
- BLANKET IN NATURE - DESCRIBES PARENT TRACT.  
- SAID TRUST IS NO LONGER THE OWNER OF THE PARENT TRACT.
12. MEMORANDUM OF WIRELESS COMMUNICATIONS FACILITY LEASE BETWEEN LESLEY PHILLIPS & ABDEL JEBBAR ELBAKARRI, A MARRIED COUPLE AND RG TOWERS, LLC, A DELAWARE LIMITED LIABILITY COMPANY DATED 9/27/2017 RECORDED 10/2/2017 IN BOOK 4047, PAGE 36.  
- BLANKET IN NATURE - DESCRIBES PARENT TRACT.

SEE SHEET 1 OF 2 FOR DETAIL OF  
RG TOWERS LEASE PARCEL  
NON-EXCLUSIVE ACCESS AND UTILITY EASEMENT

FLOOD ZONE INFORMATION					
COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION
120286	0178	J	02/16/2012	X	N/A

FIELD SURVEY DATE: 10/10/2017					
DRAWN: WSP					
CHECKED: WSP	2	06/25/2018	UPDATE TOWER HEIGHT / TYPE AND REVISE LEASE / EASEMENT DESCRIPTION		
MANAGER: WSP	1	01/23/2018	REVISE SURVEY TO ADDRESS ST. LUCIE COUNTY SURVEYOR COMMENTS		
DWG FILE: 17-1404.DWG	No.	DATE	REVISION		

**WSP Consultants, Inc.**  
SURVEYORS & MAPPERS  
18815 ANNELIS DRIVE, LUTZ, FL 33548  
PHONE (813) 909-2420  
PROFESSIONAL SURVEYING & MAPPING CERTIFICATE OF AUTHORIZATION:  
LB 7188, STATE OF FLORIDA

MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY  
ORANGE AVENUE  
PREPARED FOR:  
**RG Towers, LLC**  
LOCATED IN:  
ST. LUCIE COUNTY, FLORIDA

PROJECT NO:  
**17-1404**

SHEET NO:  
**2 OF 2**

**ORANGE AVENUE**

**PARENT TRACT**

(PER OFFICIAL RECORD BOOK 3822, PAGE 1761 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA)

LOTS 3, 4 AND 5, LESS THE SOUTH 15 FEET THEREOF, BLOCK 3 OF FLORIANA PARK, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 2, PAGE 7C, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

**RG TOWERS LEASE PARCEL**

A PARCEL OF LAND BEING A PORTION OF LOT 5, BLOCK 3, FLORIANA PARK, AS RECORDED IN PLAT BOOK 2, PAGE 7C OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SAID LOT 5, BLOCK 3;

THENCE ON A GRID BEARING OF S88°19'00"E ALONG THE NORTH LINE OF LOT 5, BLOCK 3, A DISTANCE OF 19.46 FEET;

THENCE S01°41'00"W A DISTANCE OF 15.00 FEET TO A POINT ON A LINE 15.00 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID LOT 5, BLOCK 3, SAID POINT ALSO BEING THE POINT OF BEGINNING;

THENCE S88°19'00"E ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET;

THENCE S00°03'00"E A DISTANCE OF 79.98 FEET TO A POINT ON A LINE 25.00 FEET NORTH OF AND PARALLEL WITH THE NORTH RIGHT-OF-WAY LINE OF ORANGE AVENUE (80 FOOT PUBLIC RIGHT-OF-WAY);

THENCE N88°19'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET TO A POINT ON A LINE 19.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID LOT 5, BLOCK 3;

THENCE N00°03'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 79.98 FEET TO THE POINT OF BEGINNING;

SAID PARCEL OF LAND SITUATE WITHIN ST. LUCIE COUNTY, FLORIDA CONTAINING 1,999.22 SQUARE FEET MORE OR LESS.

**NON-EXCLUSIVE ACCESS AND UTILITY EASEMENT**

A PARCEL OF LAND BEING A PORTION OF LOT 5, BLOCK 3, FLORIANA PARK, AS RECORDED IN PLAT BOOK 2, PAGE 7C OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SAID LOT 5, BLOCK 3;

THENCE ON A GRID BEARING OF S88°19'00"E ALONG THE NORTH LINE OF LOT 5, BLOCK 3, A DISTANCE OF 19.46 FEET;

THENCE S01°41'00"W A DISTANCE OF 15.00 FEET TO A POINT ON A LINE 15.00 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID LOT 5, BLOCK 3;

THENCE S88°19'00"E ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET;

THENCE S00°03'00"E A DISTANCE OF 79.98 FEET TO A POINT ON A LINE 25.00 FEET NORTH OF AND PARALLEL WITH THE NORTH RIGHT-OF-WAY LINE OF ORANGE AVENUE (80 FOOT PUBLIC RIGHT-OF-WAY);

THENCE N88°19'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 25.01 FEET TO A POINT ON A LINE 19.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID LOT 5, BLOCK 3;

THENCE N00°03'00"W ALONG SAID PARALLEL LINE, A DISTANCE OF 29.99 FEET TO THE POINT OF BEGINNING;

THENCE S89°57'00"W A DISTANCE OF 19.00 FEET TO A POINT ON THE WEST LINE OF SAID LOT 5, BLOCK 3, SAID POINT ALSO BEING ON THE EAST RIGHT-OF-WAY LINE OF NORTH 21ST STREET (60 FOOT PUBLIC RIGHT-OF-WAY);

THENCE N00°03'00"W ALONG SAID WEST LINE AND EAST RIGHT-OF-WAY LINE, A DISTANCE OF 20.00 FEET;

THENCE N89°57'00"E A DISTANCE OF 19.00 FEET;

THENCE S00°03'00"E A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING;

SAID PARCEL OF LAND SITUATE WITHIN ST. LUCIE COUNTY, FLORIDA CONTAINING 380.00 SQUARE FEET MORE OR LESS.

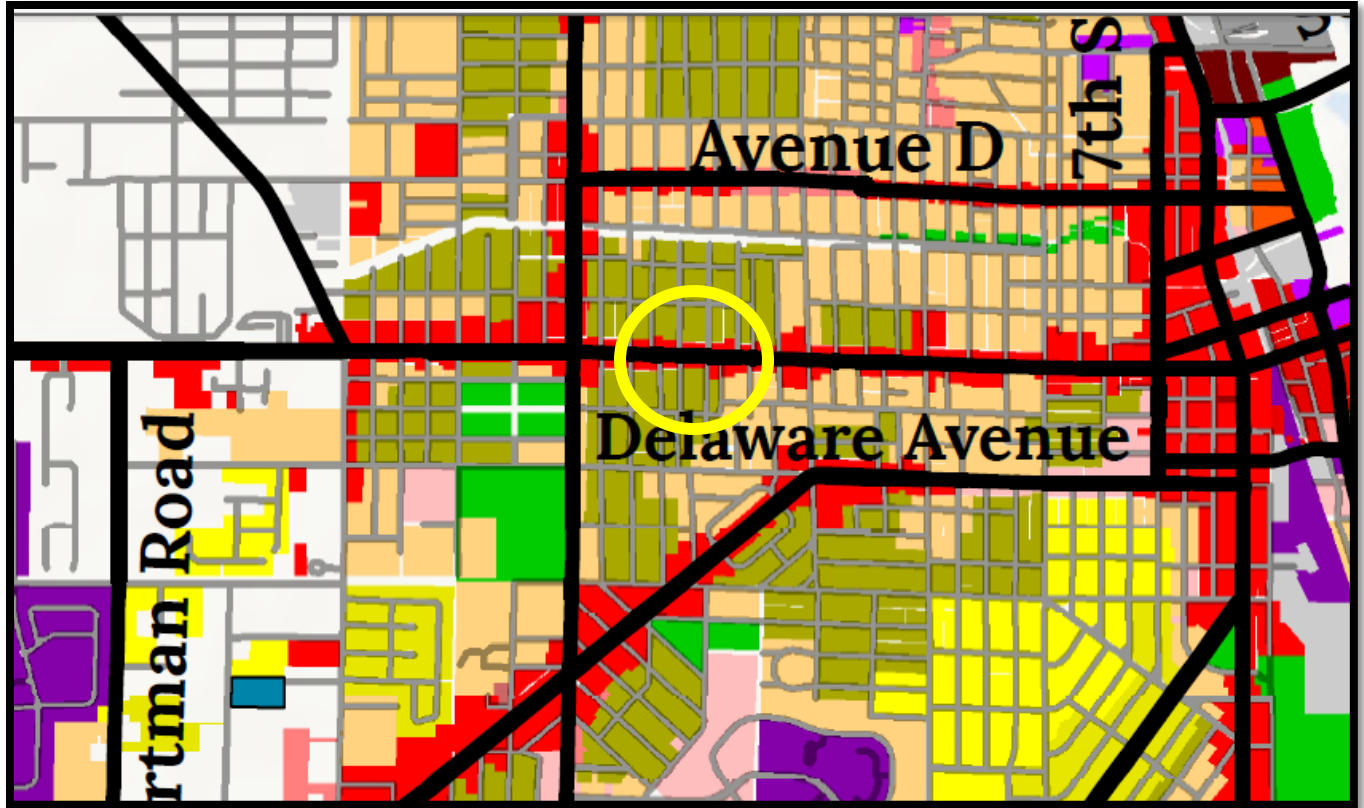


Section 22- 58.d.2

(2)

*A general location map which shows the approximate location of streets, street signals and vehicular access points to streets along streets abutting the proposed development, rights-of-way, zoning districts, existing land uses and important physical features (including drainage ways) within five hundred (500) feet of property proposed for development.*





**Zoning Districts**

<p><b>Residential Zoning</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> E1, Single Family Estate Density</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #008080; border: 1px solid black; margin-right: 5px;"></span> E2, Residential Single Family, 2 Units/Acre</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #008080; border: 1px solid black; margin-right: 5px;"></span> E3, Residential Single Family, 3 Units/Acre</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFFF00; border: 1px solid black; margin-right: 5px;"></span> R1, Single Family Low Density</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #9ACD32; border: 1px solid black; margin-right: 5px;"></span> R2, Single Family Intermediate Density</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #808000; border: 1px solid black; margin-right: 5px;"></span> R3, Single Family Moderate Density</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> R4, Medium Density Residential</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black; margin-right: 5px;"></span> R4A, Hutchinson Island Medium Density Residential</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF4500; border: 1px solid black; margin-right: 5px;"></span> R5, High Density Residential</li> </ul> <p><b>Open Space Zoning</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #00FF00; border: 1px solid black; margin-right: 5px;"></span> OS1, General and Recreational Open Space</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #006400; border: 1px solid black; margin-right: 5px;"></span> OS2, Conservation Open Space</li> </ul> <p><b>Planned Development Zoning</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black; margin-right: 5px;"></span> PD, Planned Development</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF00FF; border: 1px solid black; margin-right: 5px;"></span> PUR, Planned Urban Redevelopment</li> </ul>	<p><b>Commercial Zoning</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFB6C1; border: 1px solid black; margin-right: 5px;"></span> C1, Office Commercial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFB6C1; border: 1px solid black; margin-right: 5px;"></span> C2, Neighborhood Commercial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> C3, General Commercial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> C4, Central Commercial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #8B0000; border: 1px solid black; margin-right: 5px;"></span> C5, Tourist Commercial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #654321; border: 1px solid black; margin-right: 5px;"></span> C6, Marine Commercial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #A52A2A; border: 1px solid black; margin-right: 5px;"></span> CP1, Commercial Parkway</li> </ul> <p><b>Industrial Zoning</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #D3D3D3; border: 1px solid black; margin-right: 5px;"></span> I1, Light Industrial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> I2, Marine Industrial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #696969; border: 1px solid black; margin-right: 5px;"></span> I3, Heavy Industrial</li> </ul> <p><b>Agriculture Zoning (County)</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, yellow 2px, yellow 4px); border: 1px solid black; margin-right: 5px;"></span> AR1, Agriculture, Residential - 1</li> <li><span style="display: inline-block; width: 15px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, lightblue 2px, lightblue 4px); border: 1px solid black; margin-right: 5px;"></span> AG1, Agriculture - 1</li> <li><span style="display: inline-block; width: 15px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, green 2px, green 4px); border: 1px solid black; margin-right: 5px;"></span> AG2.5, Agriculture - 2.5</li> </ul>
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**City of Fort Pierce**  
**Planning Department**  
 Created By: Brandon Creagan  
 Date Created: July 25, 2017



**RG Towers, LLC**

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

**RE: RG Towers - Ft Pierce Orange Ave Character and Intended Use Statement**

RG Towers, LLC is applying for approval to build a 130' stealth communications tower at the location shown below.

Tower Height/Type	130' Stealth communications tower
Address	2006 Orange Ave, Ft Pierce FL 34950
Coordinates	Approximately 27.447636, -80.345960

The parcel is currently owned by Lesley Phillips and Abdel Jebbar Elbakkari. RG Towers, LLC entered into a Lease Agreement dated 9/27/17.

The character of the parcel is completely commercial as seen in the attached photographs. The intended use will be the development of a 130' communication tower with a fenced compound to enclose the auxiliary equipment. The fenced compound will be landscaped to exceed the code. This is to be an unmanned facility with only semiannual visits for maintenance outside of initial construction.

Please let me know if you have any questions.

Sincerely,

Scott Richards  
RG Towers, LLC  
CEO

Michelle Franklin, CFA -- Saint Lucie County Property Appraiser -- All rights reserved.

## Property Identification

Site Address: 2006 ORANGE AVE  
Sec/Town/Range: 09/35S/40E  
Map ID: 24/09N  
Zoning: C3

Parcel ID: 2409-605-0008-000-4  
Account #: 22018  
Use Type: 1100  
Jurisdiction: Fort Pierce

## Ownership

Lesley Phillips  
Abdel Jebbar Elbakkari  
2006 Orange AVE  
Fort Pierce, FL 34950

## Legal Description

FLORIANA PARK BLK 3 LOTS 3, 4 AND  
5-LESS S 15 FT FOR ST- (OR 3822-1761)



## Current Values

Just/Market Value: \$84,600  
Assessed Value: \$84,600  
Exemptions: \$0  
Taxable Value: \$84,600  
Taxes for this parcel: SLC Tax Collector's  
Office [📄](#)  
Download TRIM for this parcel: [Download PDF](#) [📄](#)

## Total Areas

Finished/Under Air (SF):	2,160
Gross Area (SF):	2,430
Land Size (acres):	0.45
Land Size (SF):	19,656

## Sale History

Date	Book/Page	Sale Code	Deed	Grantor	Price
Dec 24, 2015	3822 / 1761	0002	WD	Walker (TR) John C	\$83,600
Nov 5, 2015	3805 / 1827	0111	CT	LeDain Marie M	\$100
Jun 25, 2014	3652 / 2867	0137	WD	Walker (TR),John C	\$120,000
Jun 3, 2014	3638 / 1302	0111	CT	LeDain,Marie M	\$60,300
May 25, 2005	2255 / 2189	XX01	QC	Blanc,Jean C	\$100

Apr 30, 2004	1971 / 3007	XX00	WD	Dunn Brothers Inc,	\$120,000
Nov 1, 1981	0366 / 2466	XX00	CV		\$125,000

## Building Information (1 of 1)

Finished Area: 2,160 SF

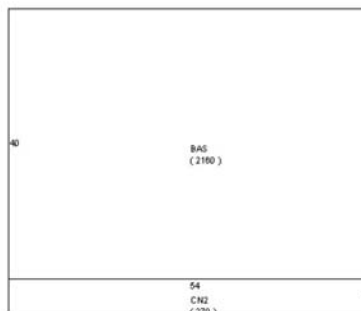
Gross Total Area: 2,430 SF

### Exterior Data

View:	Roof Cover: Tar & Gravel	Roof Structure: Flat/Shed
Building Type: STRL	Year Built: 1957	Frame:
Grade: Y_C	Effective Year: 1970	Primary Wall: Conc Block
Story Height: 1 Story	No. Units: 2	Secondary Wall:

### Interior Data

Bedrooms: 0	Electric: MAXIMUM	Primary Int Wall:
Full Baths: 0	Heat Type: FrcdHotAir	Avg Hgt/Floor: 0
Half Baths: 0	Heat Fuel: ELEC	Primary Floors: Vinyl Tiles
A/C %: 100%	Heated %: 100%	Sprinkled %: 0%



### Sketch Area Legend

Sub Area	Description	Area	Fin. Area	Perimeter
BAS	BASE AREA	2160	2160	188
CN2	CANOPY	270	0	118

## Special Features and Yard Items

Type	Qty	Units	Year Blt
CEMENT CURB	1	42	1970
ASP2 LOW	1	5409	1970

## Current Year Values

## Current Values Breakdown


Building:	\$40,400
Land:	\$44,200
Just/Market:	\$84,600
Ag Credit:	\$0
Save Our Homes or 10% Cap:	\$0
Assessed:	\$84,600
Exemption(s):	\$0
Taxable:	\$84,600

## Current Year Exemption Value Breakdown

Tax Year	Grant Year	Code	Description	Amount
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## Current Year Special Assessment Breakdown

Start Year	AssessCode	Units	Description	Amount
1999	0041	4.9	Fort Pierce Stormwater Charge	\$264.60

This does not necessarily represent the total Special Assessments that could be charged against this property. The total amount charged for special assessments is reflected on the most current tax statement and information is available with the SLC Tax Collector's Office .

## Historical Values

Year	Just/Market	Assessed	Exemptions	Taxable
2017	\$84,600	\$84,600	\$0	\$84,600
2016	\$84,300	\$84,300	\$0	\$84,300
2015	\$105,200	\$105,200	\$0	\$105,200

## Permits

Number	Issue Date	Description	Amount	Fee
BP2006-90	Jan 25, 2006	Roof	\$5,000	\$50
F900001019	Aug 7, 1990	Roof	\$900	\$900
0900025541	Nov 16, 2007	Sprinkler System	\$0	\$50
BP11-1029	Jun 9, 2011	Electric	\$104	\$155
BP16-1588	Jun 23, 2016	Alterations/Remodeling	\$4,000	\$0

Notice: This does not necessarily represent all the permits for this property.  
Click the following link to check for additional permit data in Fort Pierce

This information is believed to be correct at this time but it is subject to change and is not warranted.  
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Prepared by  
Kimberly Douglas, an employee of  
First American Title Insurance Company  
729 South Federal Highway, Ste 103  
Stuart, Florida 34994  
(772)286-0850

Return to: Grantee

File No.: 2071-2258822  
Consideration: \$83,600.00

## **WARRANTY DEED**

This indenture made on **December 30, 2015** A.D., by

**John C. Walker, as Trustee of the John C. Walker Trust dated July 26, 1994**

whose address is: **364 River Edge Road, Jupiter, FL 33477**  
hereinafter called the "grantor", to

**Lesley Phillips and Abdel Jebbar ElBakkari, wife and husband**

whose address is: **2006 Orange Ave, Fort Pierce, FL 34950**  
hereinafter called the "grantee":

(Which terms "Grantor" and "Grantee" shall include singular or plural, corporation or individual, and either sex, and shall include heirs, legal representatives, successors and assigns of the same)

**Witnesseth**, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in **St. Lucie County, Florida**, to-wit:

Lots 3, 4 and 5 less the South 15 feet thereof, Block 3 of FLORIANA PARK, according to the Plat thereof as recorded in Plat Book 2, page 7C, of the Public Records of St. Lucie County, Florida.

Parcel Identification Number: **2409-605-0008-000/4**

**Subject to** all reservations, covenants, conditions, restrictions and easements of record and to all applicable zoning ordinances and/or restrictions imposed by governmental authorities, if any.

TOGETHER WITH all singular the tenements, hereditaments and appurtenances belonging to or in anywise appertaining to that real property.

AND the party of the first part does covenant to and with the party of the second part, their heirs and assigns, that in all things preliminary to and in and about the sale and this conveyance the Laws of Florida have been followed and complied with in all respects. .

In Witness Whereof, the parties of the first part have hereunto set their hand(s) and seal(s) the day and year first above written.

*John C. Walker*  
John C. Walker, individually and as Trustee of the  
John C. Walker Trust dated July 26, 1994

Signed, sealed and delivered in the presence of these witnesses:

*Kim Douglas*  
Witness Signature

Print Name: *Kim Douglas*

*Toni Lynn Turner*  
Witness Signature

Print Name: *Toni-Lynn Turner*

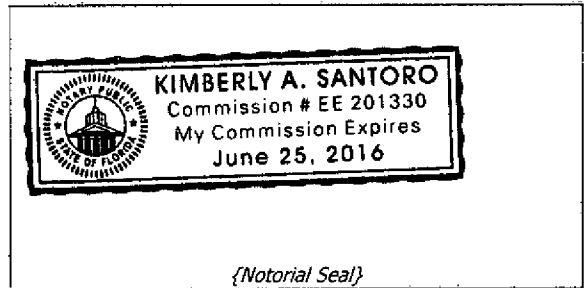
State of **Florida**

County of **Martin**

**THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED** before me on **December 24<sup>th</sup>, 2015**, by **John C. Walker, a single man, individually and as Trustee of the John C. Walker Trust dated July 26, 1994** who is/are personally known to me or has/have produced a valid driver's license as identification.

Kimberly A. Santoro  
Notary Public

Kimberly A. Santoro  
(Printed Name)



My Commission expires: \_\_\_\_\_

Tower Removal Bond

KNOW ALL PERSONS BY THESE PRESENTS: That we RG Towers, LLC, a corporation duly organized under the laws of the State of DE, as Principal and The Hanover Insurance Company, as Surety, are held and firmly bound unto City of Fort Pierce, Florida as Obligee, in the amount of Eight Thousand Dollars and 00/100 (\$8,000.00) for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents, the liability of the Surety being limited to the penal sum of this bond regardless of the number of years the bond is in effect.

Whereas, the Principal has obtained written approval from the Obligee for the construction and erection of a wireless communication tower located at 2006 Orange Ave, Fort Pierce, Florida 34950, Tax Parcel Number 2409-605-0008-000-4. Now, therefore if the principal well and truly complies with the maintenance, replacement, removal or relocation of the tower from the aforementioned address within 30 days upon receipt of written notice from the Obligee, to remove, replace, modify, or relocate the tower from said premises then this obligation is void otherwise to remain in full force and effect unless cancelled as set forth below:

1. It shall be a condition precedent to any right of recovery hereunder that, in the event of any default on the part of the Principal, a written statement of the particular facts of such default shall be, within Thirty (30) days, delivered to Surety at its Home Office located at 440 Lincoln Street, Worcester, MA 01653 by registered mail to the Surety and the Surety shall not be obligated to perform Principals obligation until sixty (60) days after Surety's receipt of such statement.
2. The Surety may cancel this bond at any time by giving Thirty (30) days notice, by registered mail or overnight courier service to Planning Department, 100 North US 1, PO Box 1480, Fort Pierce, FL 34950 (Obligee). Such termination shall not affect liability incurred under this obligation prior to the effective date of such termination.
3. No action, suit, or proceeding shall be maintained against the Surety on this bond unless the action is brought within twelve (12) months of the cancellation date of this bond.
4. Regardless of the number of years this bond may be renewed; in no event shall the liability of the Surety exceed the penal sum of this bond.
5. It is understood that the non-renewal of this bond by the Surety, or failure or inability of the Principal to file a replacement bond shall not constitute a loss recoverable by the Obligee under this bond.

Signed, sealed, and witnessed this 26th day of January, 2018.

Holly Valdez  
Witness

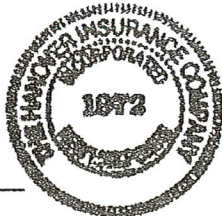
RG Towers, LLC  
Principal

By: S. Peh

The Hanover Insurance Company  
Surety

By: Richard A. Montgomery, Attorney-in-Fact

LeeAnne K. Michaud  
Witness LeeAnne K. Michaud



**THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA**

*POWERS OF ATTORNEY  
CERTIFIED COPY*

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

**Richard A. Montgomery**

of Columbia, MD and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated

any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:

Surety Bond Number: 1066222  
Principal: RG Towers, LLC  
Obligee: City of Fort Pierce, Florida

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 6th day of **October 2011**.



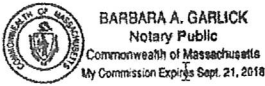
**THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA**

*Robert Thomas*  
Robert Thomas, Vice President

*Mary Fitzgerald*  
Mary Fitzgerald, Vice President

THE COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF WORCESTER ) ss.

On this 6th day of **October 2011** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



*Barbara A. Garlick*  
Barbara A. Garlick, Notary Public  
My Commission Expires September 21, 2018

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 26th day of **January** 2018 .

**THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA**

*Glenn Margosian*  
Glenn Margosian, Vice President



Project Number: U0142-705-181

September 14, 2018

STEALTH® Concealment Solutions  
3034-A Ashley Phosphate Rd  
North Charleston, SC 29418

REFERENCE: **Ft. Pierce Orange Ave RG18-01105W-05R1;  
Fall Zone Letter for 130'-0" Concealment Pole**

To Whom It May Concern:

It is our understanding that a 130 ft concealment monopole has been proposed for this site.

The above-mentioned pole has been designed in accordance with the Florida Building Code, 2017 Edition (2015 IBC) and the ANSI TIA222-G "Structural Standard for Antenna Supporting Structures and Antennas". Additionally, all steel members and connections have been designed to meet the requirements of the AISC Steel Construction Manual.

The pole will be designed for the following criteria:

1. Wind speed (V): 159 mph (3-second gust) per the ASCE 7-10
2. Ice: 0" radial ice (nominal) with concurrent 30 mph wind (3-second gust)
3. Basic wind speed of 60 mph (3-second gust) for the service condition (deflection limitations only)
4. Structure Class II, Exposure C, Topographic Category 1 with a crest height of 0 ft.

It has been requested that the proposed monopole be designed for a fall zone of 0-ft.

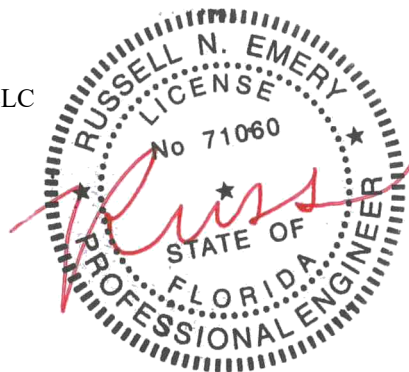
Please note that "fall zone" is a term not defined in the standards listed above. Our approach to the fall zone design is described in the preceding paragraph and is our best attempt to meet what we believe to be the intent of the fall zone request. Current code does not address failure mechanics. It is difficult to impossible to predict the behavior of a failing structure. Physics of a fall during a wind event, including possible bouncing or rolling, may place all or part of the ruptured pole section outside of the intended fall zone. Nonstructural components attached to the steel structure are outside of our scope. Nonstructural components may break free from the structure and fall outside of the fall zone even at loads below code-specified magnitudes if the components and their attachments are not properly designed and installed.

We hope this meets your needs. If you have any questions or require additional information, please call this office at your convenience.

Very truly yours,  
VECTOR STRUCTURAL ENGINEERING, LLC

Russell N. Emery, P.E.  
Principal Engineer

RNE/djf



09/18/2018

## SITE LICENSE AGREEMENT

This Site License Agreement ("SLA") is entered into this 10<sup>th</sup> day of January, 2018 ("SLA Effective Date") between RG Towers, LLC, hereinafter designated as LICENSOR, and T-Mobile South LLC, hereinafter designated as LICENSEE.

1. Integration with Master Lease Agreement: This SLA is entered into pursuant to that certain Master License Agreement between T-MOBILE CENTRAL LLC, T-MOBILE SOUTH LLC, T-MOBILE WEST LLC, T-MOBILE PUERTO RICO LLC, and POWERTEL/MEMPHIS, Inc. and RG Towers, LLC dated October 1, 2012 ("MLA"). All of the terms and conditions of the MLA are incorporated herein by this reference and made a part hereof without the necessity of repeating or attaching the MLA. Except as set forth in the MLA, in the event of a contradiction, modification or inconsistency between the terms of the MLA and this SLA, the terms of the MLA shall govern. Capitalized terms used in this SLA shall have the same meaning described for them in the MLA unless otherwise indicated herein.

2. Site Number and Name (if applicable):

LICENSOR:TC11 Fort Pierce Orange Ave

LICENSEE: A2P0227B Fort Pierce Orange Ave

3. Site Address and Legal Description: More particularly described in Attachment 1, attached hereto and incorporated herein.

4. Site Latitude and Longitude: 27.447662, -80.345875

5. Description of Antenna Facilities: LICENSEE Antenna Facilities to be placed on the Property and the location of the Premises are detailed in and shall be consistent with Attachment 2, attached hereto and incorporated herein.

6. Term: The term of this SLA shall be as set forth in Section 2(b) of the MLA and commence upon either [check one box]:

The earlier of (i) two hundred seventy (270) days after the SLA Effective Date; or (ii) the date of the Notice to Proceed under Section 10(a) of the MLA; or

\_\_\_\_\_, 2018

7. Rent Commencement: The first payment of Rent shall be due on the SLA Commencement Date.

8. Rent Amount: The monthly Rent for the initial term of this SLA shall be \_\_\_\_\_ to be paid on the first day of the month, in advance, to LICENSOR at the following address: 2141 Alternate A1A South, Suite 440, Jupiter, FL 33477; or to such other person, firm or place as LICENSOR may, from time to time, designate in writing at least thirty (30) days in advance of any rental payment date.

9. Prime Lease. If the Property is subject to a Prime Lease, a copy of such agreement is attached hereto as Attachment 3. If consent is required from the Owner, it is attached hereto as Attachment 4.

10. Licensor Contact for Emergency (not for legal notices): RG Towers, LLC

11. Licensee Contact for Emergency (not for legal notices): T-Mobile NOC 866-482-8890

12. Special Provisions (insert any special provisions):

IN WITNESS WHEREOF, the Parties hereto have set their hands and affixed their respective seals the day and year first above written.

DocuSigned by:  
*Holly Valdez*

33D74A227BFA407...

WITNESS

DocuSigned by:  
*Harlan Ginn*

7B842542F6F64EB...

WITNESS

LICENSOR: RG Towers, LLC

DocuSigned by:  
BY: *s. richards*

F23977ED6FA2490...  
PRINT NAME: Scott Richards

TITLE: CEO

DATE: 1/10/2018

DocuSigned by:  
*Erin Foltz*

C12EA6527858485...

WITNESS

DocuSigned by:  
*Amy O'Rourke*

BB3F601BD34346F...

WITNESS

LICENSEE: T-Mobile South LLC

DocuSigned by:  
BY: *Harlan J. Kickhoefer*

9818B5EEB66D4BF...  
PRINT NAME: Harlan J. Kickhoefer

TITLE: Sr. Director, Network Engineering & Operations

DATE: 1/2/2018

ATTACHMENTS:

- Attachment 1: Legal Description of Land
- Attachment 2: Licensor's Application Form Completed by Licensee
- Attachment 3: Prime Lease
- Attachment 4: Owner's Consent
- Attachment 5: Memorandum of Site License Agreement
- Attachment 6: Approved Plans

**Attachment 1: Legal Description of Land**

Legal Description of Land

PARENT TRACT

(PER OFFICIAL RECORD BOOK 3822, PAGE 1761 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA)

LOTS 3, 4 AND 5, LESS THE SOUTH 15 FEET THEREOF, BLOCK 3 OF FLORIANA PARK, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 2, PAGE 7C, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.



RG Towers, LLC

5-10-18

**RE: RG Towers-Ft Pierce- Orange Ave Affidavit 22-163-An affidavit from the property owner or applicant acknowledging acceptance of the requirements of section 22-163**

RG Towers, LLC., applicant for the construction of a new communication tower, acknowledges the requirement per Section 22-163 for the removal of abandoned antenna support structure.

It is understood that prior to building permit we shall submit required documentation.

(a)

*At time of building permit the applicant shall enter into a contractually enforceable agreement with the city which requires the applicant or the owner of the antenna support structure to remove the antenna support structure upon its abandonment.*

(b)

*Prior to issuance of any permit in accordance with this article, the property owner or tower operator shall submit a bond, surety or other financial guaranty for the use and benefit of the city, to ensure the removal of abandoned communication towers. The form of surety shall be subject to approval by the director of planning and the city attorney. The required surety shall be irrevocable, unless released by the city. The surety shall be utilized to cover the costs of removal and disposal of abandoned towers and shall consist of the following:*

(1)

*Submittals of an estimate from a certified structural engineer indicating the costs to remove and dispose of the tower;*

(2)

*A surety equivalent to one hundred (100) per cent of the estimated costs to remove and dispose of the tower.*

*The planning director, subject to review by the city attorney, may accept documentation from a tower operator or property owner that adequate resources or irrevocable contract obligations are available to remove obsolete or abandoned communication towers.*

(c)

*In the event all legally approved use of any antenna support structure has been discontinued for a period of one hundred eighty (180) consecutive days, the antenna support structure shall be deemed abandoned. Determination of the date of abandonment shall be made by the department of code enforcement, which may request suitable documentation from the owner of the antenna support structure regarding any matter relating to whether the antenna support structure is currently being used or not;*

(d)

*At such time as the department of code enforcement determines that an antenna support structure is abandoned, it shall provide the antenna support structure owner with written notice of an abandonment determination by certified mail. Failure or refusal by the owner to respond within sixty (60) days of receipt of such notice, shall constitute prima facie evidence that the antenna support structure has been abandoned.*

*(e)*

*If the owner of the antenna support structure fails to respond or fails to demonstrate that the antenna support structure is not abandoned, the antenna support structure shall be considered abandoned and the owner of the antenna support structure shall have an additional one hundred twenty (120) days within which to:*

*(1)*

*Reactivate the use of the antenna support structure or transfer the antenna support structure to another owner who makes actual use of the antenna support structure within the one hundred twenty (120) day period; or*

*(2)*

*Dismantle and remove the antenna support structure. At the earlier of one hundred twenty-one (121) days from the date of abandonment without reactivation or upon completion of dismantling and removal, any special exception approval for the antenna support structure shall automatically expire.*

*(Ord. No. J-452, § 1, 9-21-98)*

Sincerely,

Scott Richards  
CEO  
RG Towers, LLC



**STRUCTURAL CALCULATIONS**  
for  
**FT. PIERCE ORANGE AVE**  
**TOP SECTION**  
at  
**2006 ORANGE AVENUE**  
**FT. PIERCE, FL 34950**  
for  
**RG TOWERS**  
&  
**STEALTH® CONCEALMENT SOLUTIONS (RG18-01105W-05R1)**



**BY:** RUSSELL N. EMERY, P.E.  
PROJECT ENGINEER

**FL Firm License Number: COA 26626**

**PROJECT #:** U0142-705-181

**DATE:** September 13, 2018

**DESIGNED BY DJF; CHECKED BY RNE**

**NOTE:**

The calculations presented in this package are intended for a single use at the location indicated above, for the client listed above. These calculations shall not be reproduced, reused, "card filed", sold to a third party, or altered in any way without the written authorization of Vector Structural Engineering, LLC and STEALTH® Concealment Solutions.



JOB NO.: U0142-705-181

**PROJECT:** FT. PIERCE ORANGE AVE

---

**Design Criteria:**

*Code:* Structural design is based on the Florida Building Code, 2017 Edition (2015 IBC)

*Wind:* Basic wind speed = 159 mph (3-second gust) per the ASCE 7-10 standard  
Risk category / Structure class: II  
Wind exposure: C  
Topographic category: 1  
Crest height: 0 ft

*Ice:* None per the TIA-222-G standard

**General Notes:**

- 1 The contractor shall verify dimensions, conditions and elevations before starting work. The engineer shall be notified immediately if any discrepancies are found.
- 2 The typical notes and details shall apply in all cases unless specifically detailed elsewhere. Where no detail is shown, the construction shall be as shown for other similar work and as required by the building code.
- 3 These calculations are limited to the structural members shown in these calculations only.
- 4 The contractor shall be responsible for compliance with local construction safety orders. Approval of shop drawings by the architect or structural engineer shall not be construed as accepting this responsibility.
- 5 All structural framing members shall be adequately shored and braced during erection and until full lateral and vertical support is provided by adjoining members.

**Structural Steel:**

- 1 All structural steel code checks based on the AISC-LRFD, 3rd Edition per the TIA-222-G standard
- 2 All steel round tubes (HSS) to be per ASTM A500 GR. B (42 KSI), U.N.O.
- 3 All other structural steel shapes & plates shall be per ASTM A36, U.N.O.
- 4 All bolts for steel-to-steel connections shall be per ASTM F3125 GR. A325 U.N.O.
- 5 All bolted connections shall be tightened per the "turn-of-nut" method as defined by AISC.
- 6 All welding shall be performed by certified welders in accordance with the latest edition of the American Welding Society (AWS) D1.1
- 7 All steel surfaces shall be galvanized in accordance with ASTM A123 and ASTM F2329 standards, thoroughly coated with a zinc-rich primer, or otherwise protected as noted on the structural drawings.



JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

**User Forces**

Ice Thickness[in]:	0.00
Ice Density [pcf]:	56
Cylinder Shape:	18-Sided
Shape Factor:	0.65 (supercritical)
	1.20 (subcritical)

Elev. @ Top of Base Pole [ft]:	82.0
Elev. @ Bottom of Base Pole [ft]:	1.0

Cylinder	Length [ft]	Diameter [in]		Plates	Weight [lb]		CaAc [ft <sup>2</sup> ]	
		No Ice	w/ Ice		No Ice	w/ Ice	No Ice	w/ Ice
				Top Plate	370	370	16.5	30.5
1	12.0	50	50.00					
				Bulkhead	520	520	33.0	60.9
2	12.0	50	50.00					
				Bulkhead	520	520	33.0	60.9
3	12.0	50	50.00					
				Bulkhead	520	520	33.0	60.9
4	12.0	50	50.00					
				Bottom Plate	370	370	16.5	30.5
					0	0	0.0	0.0
					0	0	0.0	0.0
					0	0	0.0	0.0
					0	0	0.0	0.0

**DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
Top Plate	130	(3) Generic Panel 100# (enclosed)	100
(3) Generic Equipment (Enclosed)	124	(3) Generic Equipment (Enclosed)	100
(3) Generic Panel 105# (enclosed)	124	Bulkhead	94
Bulkhead	118	(3) Generic Equipment (Enclosed)	88
(3) Generic Panel 100# (enclosed)	112	(3) Generic Panel 100# (enclosed)	88
(3) Generic Equipment (Enclosed)	112	Bottom Plate	82
Bulkhead	106		

**MATERIAL STRENGTH**

GRADE	Fy	Fu	GRADE	Fy	Fu
A500-42	42 ksi	58 ksi			

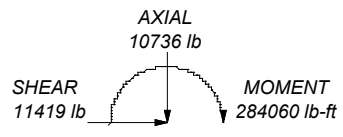
**TOWER DESIGN NOTES**

1. Tower designed for Exposure C to the TIA-222-G Standard.
2. Tower designed for a 159 mph basic wind in accordance with the TIA-222-G Standard.
3. Deflections are based upon a 60 mph wind.
4. Tower Risk Category II.
5. Topographic Category 1 with Crest Height of 0.00 ft
6. TOWER RATING: 66.9%

Section	1				130.0 ft
Size	P12x.562 13th				
Length (ft)	36.00				
Grade	A500-42				
Weight (lb)	2656.2				
					94.0 ft
Section	2				
Size	P16x.656 13th				
Length (ft)	12.00				
Grade					
Weight (lb)	1300.6				
					82.0 ft



ALL REACTIONS ARE FACTORED



REACTIONS - 159 mph WIND

<p><b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:</p>	<p>Job: <b>Ft. Pierce Orange Ave</b></p>		
	<p>Project: <b>U0142-705-181</b></p>		
<p>Client: <b>STEALTH® Concealment Solutions</b></p>	<p>Drawn by: <b>dfoulger</b></p>	<p>App'd:</p>	
<p>Code: <b>TIA-222-G</b></p>	<p>Date: <b>09/13/18</b></p>	<p>Scale: <b>NTS</b></p>	
<p>Path:</p>	<p>Dwg No. <b>E-1</b></p>		

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 5 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

## Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-G standard.

The following design criteria apply:

ASCE 7-10 Wind Data is used.

Basic wind speed of 159 mph.

Risk Category II.

Exposure Category C.

Topographic Category 1.

Crest Height 0.00 ft.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	130.00-94.00	36.00	P12x .562 13th	A500-42 (42 ksi)	
L2	94.00-82.00	12.00	P16x.656 13th	A500-42 (42 ksi)	

Tower Elevation ft	Gusset Area (per face) ft <sup>2</sup>	Gusset Thickness in	Gusset Grade	Adjust. Factor A <sub>f</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 130.00-94.00				0	0	1.08			
L2 94.00-82.00				0	0	1.08			

## Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Component Type	Placement ft	Total Number	C <sub>A</sub> A <sub>A</sub>	Weight
						ft <sup>2</sup> /ft	plf
1 5/8 Coax	C	No	Inside Pole	124.00 - 82.00	12	No Ice	0.72
1 5/8 Coax	C	No	Inside Pole	112.00 - 82.00	12	No Ice	0.72
1 5/8 Coax	C	No	Inside Pole	100.00 - 82.00	12	No Ice	0.72
1 5/8 Coax	C	No	Inside Pole	88.00 - 82.00	12	No Ice	0.72

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 6 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

### Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A <sub>R</sub> ft <sup>2</sup>	A <sub>F</sub> ft <sup>2</sup>	C <sub>AA</sub> In Face ft <sup>2</sup>	C <sub>AA</sub> Out Face ft <sup>2</sup>	Weight lb
L1	130.00-94.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	466.56
L2	94.00-82.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	362.88

### Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
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### User Defined Loads

Description	Elevation ft	Offset From Centroid ft	Azimuth Angle °	Weight lb	F <sub>x</sub> lb	F <sub>z</sub> lb	Wind Force lb	C <sub>AC</sub> ft <sup>2</sup>	
Top Plate	130.00	0.00	0.0000	No Ice	370.00	0.00	0.00	1492.54	16.50
				Service	370.00	0.00	0.00	190.16	16.50
Bulkhead	118.00	0.00	0.0000	No Ice	520.00	0.00	0.00	2924.83	33.00
				Service	520.00	0.00	0.00	372.65	33.00
Bulkhead	106.00	0.00	0.0000	No Ice	520.00	0.00	0.00	2859.53	33.00
				Service	520.00	0.00	0.00	364.33	33.00
Bulkhead	94.00	0.00	0.0000	No Ice	520.00	0.00	0.00	2788.11	33.00
				Service	520.00	0.00	0.00	355.23	33.00
Bottom Plate	82.00	0.00	0.0000	No Ice	370.00	0.00	0.00	1354.54	16.50
				Service	370.00	0.00	0.00	172.58	16.50

### Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight lb	
(3) Generic Panel 105# (enclosed)	C	None		0.0000	124.00	No Ice	0.00	0.00	105.00
(3) Generic Panel 100# (enclosed)	C	None		0.0000	112.00	No Ice	0.00	0.00	105.00
(3) Generic Panel 100# (enclosed)	C	None		0.0000	100.00	No Ice	0.00	0.00	105.00
(3) Generic Panel 100# (enclosed)	C	None		0.0000	88.00	No Ice	0.00	0.00	105.00
(3) Generic Equipment (Enclosed)	C	None		0.0000	124.00	No Ice	0.00	0.00	50.00

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b>	Ft. Pierce Orange Ave	Page 7 of 29
	<b>Project</b>	U0142-705-181	<b>Date</b>
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>
			dfoulger

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement	C <sub>AA</sub> Front	C <sub>AA</sub> Side	Weight	
			ft ft ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	lb	
(3) Generic Equipment (Enclosed)	C	None		0.0000	112.00	No Ice	0.00	0.00	50.00
(3) Generic Equipment (Enclosed)	C	None		0.0000	100.00	No Ice	0.00	0.00	50.00
(3) Generic Equipment (Enclosed)	C	None		0.0000	88.00	No Ice	0.00	0.00	50.00

### Tower Pressures - No Ice

$$G_H = 1.100$$

Section Elevation	z	K <sub>Z</sub>	q <sub>z</sub>	A <sub>G</sub>	F a c e	A <sub>F</sub>	A <sub>R</sub>	A <sub>leg</sub>	Leg %	C <sub>AA</sub> In Face	C <sub>AA</sub> Out Face
ft	ft		psf	ft <sup>2</sup>	e	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>		ft <sup>2</sup>	ft <sup>2</sup>
L1 130.00-94.00	112.15	1.297	80	38.250	A	0.000	0.000	0.000	0.00	0.000	0.000
					B	0.000	0.000		0.00	0.000	0.000
					C	0.000	0.000		0.00	0.000	0.000
L2 94.00-82.00	88.00	1.232	76	16.000	A	0.000	0.000	0.000	0.00	0.000	0.000
					B	0.000	0.000		0.00	0.000	0.000
					C	0.000	0.000		0.00	0.000	0.000

### Tower Pressure - Service

$$G_H = 1.100$$

Section Elevation	z	K <sub>Z</sub>	q <sub>z</sub>	A <sub>G</sub>	F a c e	A <sub>F</sub>	A <sub>R</sub>	A <sub>leg</sub>	Leg %	C <sub>AA</sub> In Face	C <sub>AA</sub> Out Face
ft	ft		psf	ft <sup>2</sup>	e	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>		ft <sup>2</sup>	ft <sup>2</sup>
L1 130.00-94.00	112.15	1.297	10	38.250	A	0.000	0.000	0.000	0.00	0.000	0.000
					B	0.000	0.000		0.00	0.000	0.000
					C	0.000	0.000		0.00	0.000	0.000
L2 94.00-82.00	88.00	1.232	10	16.000	A	0.000	0.000	0.000	0.00	0.000	0.000
					B	0.000	0.000		0.00	0.000	0.000
					C	0.000	0.000		0.00	0.000	0.000

### Tower Forces - No Ice - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb	e			psf			ft <sup>2</sup>	lb	plf	
L1	466.56	2656.21	A	0	0.6	80	1	1	0.000	0.00	0.00	C

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b>	Ft. Pierce Orange Ave	Page 8 of 29
	<b>Project</b>	U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section Elevation ft	Add Weight lb	Self Weight lb	F a c e	e	C <sub>F</sub>	q <sub>z</sub> psf	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub> ft <sup>2</sup>	F lb	w plf	Ctrl. Face
130.00-94.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2	362.88	1300.64	A	0	0.6	76	1	1	0.000	0.00	0.00	C
94.00-82.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Tower Forces - No Ice - Wind 45 To Face

Section Elevation ft	Add Weight lb	Self Weight lb	F a c e	e	C <sub>F</sub>	q <sub>z</sub> psf	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub> ft <sup>2</sup>	F lb	w plf	Ctrl. Face
L1	466.56	2656.21	A	0	0.6	80	1	1	0.000	0.00	0.00	C
130.00-94.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2	362.88	1300.64	A	0	0.6	76	1	1	0.000	0.00	0.00	C
94.00-82.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Tower Forces - No Ice - Wind 60 To Face

Section Elevation ft	Add Weight lb	Self Weight lb	F a c e	e	C <sub>F</sub>	q <sub>z</sub> psf	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub> ft <sup>2</sup>	F lb	w plf	Ctrl. Face
L1	466.56	2656.21	A	0	0.6	80	1	1	0.000	0.00	0.00	C
130.00-94.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2	362.88	1300.64	A	0	0.6	76	1	1	0.000	0.00	0.00	C
94.00-82.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Tower Forces - No Ice - Wind 90 To Face

Section Elevation ft	Add Weight lb	Self Weight lb	F a c e	e	C <sub>F</sub>	q <sub>z</sub> psf	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub> ft <sup>2</sup>	F lb	w plf	Ctrl. Face
L1	466.56	2656.21	A	0	0.6	80	1	1	0.000	0.00	0.00	C
130.00-94.00			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 9 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L2 94.00-82.00	362.88	1300.64	A	0	0.6	76	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Tower Forces - Service - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 130.00-94.00	466.56	2656.21	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2 94.00-82.00	362.88	1300.64	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Tower Forces - Service - Wind 45 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 130.00-94.00	466.56	2656.21	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2 94.00-82.00	362.88	1300.64	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Tower Forces - Service - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 130.00-94.00	466.56	2656.21	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2 94.00-82.00	362.88	1300.64	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b>	Ft. Pierce Orange Ave	Page 10 of 29
	<b>Project</b>	U0142-705-181	<b>Date</b>
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>
			dfoulger

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
Sum Weight:	829.44	3956.86	C	0	0.6		1	1	0.000		0.00	
								OTM	0.00 lb-ft			

### Tower Forces - Service - Wind 90 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 130.00-94.00	466.56	2656.21	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
L2 94.00-82.00	362.88	1300.64	A	0	0.6	10	1	1	0.000	0.00	0.00	C
			B	0	0.6		1	1	0.000			
			C	0	0.6		1	1	0.000			
Sum Weight:	829.44	3956.86						OTM	0.00 lb-ft	0.00		

### Discrete Appurtenance Pressures - No Ice G<sub>H</sub> = 1.100

Description	Aiming Azimuth °	Weight lb	Offset <sub>x</sub> ft	Offset <sub>z</sub> ft	z ft	K <sub>z</sub>	q <sub>z</sub> psf	C <sub>A</sub> A <sub>C</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>C</sub> Side ft <sup>2</sup>
Generic Panel 105# (enclosed)	0.0000	315.00	0.00	0.00	124.00	1.324	81	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	112.00	1.296	80	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	100.00	1.266	78	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	88.00	1.232	76	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	124.00	1.324	81	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	112.00	1.296	80	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	100.00	1.266	78	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	88.00	1.232	76	0.00	0.00
Sum Weight:		1860.00							

### Discrete Appurtenance Pressures - Service G<sub>H</sub> = 1.100

Description	Aiming Azimuth °	Weight lb	Offset <sub>x</sub> ft	Offset <sub>z</sub> ft	z ft	K <sub>z</sub>	q <sub>z</sub> psf	C <sub>A</sub> A <sub>C</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>C</sub> Side ft <sup>2</sup>
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<b>Job</b>	Ft. Pierce Orange Ave	Page 11 of 29
<b>Project</b>	U0142-705-181	<b>Date</b> 10:59:10 09/13/18
<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Description	Aiming Azimuth °	Weight lb	Offset <sub>x</sub> ft	Offset <sub>z</sub> ft	z ft	K <sub>z</sub>	q <sub>z</sub> psf	C <sub>AAc</sub> Front ft <sup>2</sup>	C <sub>AAc</sub> Side ft <sup>2</sup>
Generic Panel 105# (enclosed)	0.0000	315.00	0.00	0.00	124.00	1.324	10	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	112.00	1.296	10	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	100.00	1.266	10	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	88.00	1.232	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	124.00	1.324	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	112.00	1.296	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	100.00	1.266	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	88.00	1.232	10	0.00	0.00
Sum Weight:		1860.00							

**Force Totals**

Load Case	Vertical Forces lb	Sum of Forces X lb	Sum of Forces Z lb	Sum of Overturning Moments, M <sub>x</sub> lb-ft	Sum of Overturning Moments, M <sub>z</sub> lb-ft	Sum of Torques lb-ft
Leg Weight	3956.86					
Bracing Weight	0.00					
Total Member Self-Weight	3956.86			0.00	0.00	
Total Weight	8946.30			0.00	0.00	
Wind 0 deg - No Ice		0.00	-11419.55	-279021.74	0.00	0.00
Wind 30 deg - No Ice		5709.78	-9889.62	-241639.91	-139510.87	0.00
Wind 45 deg - No Ice		8074.84	-8074.84	-197298.16	-197298.16	0.00
Wind 60 deg - No Ice		9889.62	-5709.78	-139510.87	-241639.91	0.00
Wind 90 deg - No Ice		11419.55	0.00	0.00	-279021.74	0.00
Wind 120 deg - No Ice		9889.62	5709.78	139510.87	-241639.91	0.00
Wind 135 deg - No Ice		8074.84	8074.84	197298.16	-197298.16	0.00
Wind 150 deg - No Ice		5709.78	9889.62	241639.91	-139510.87	0.00
Wind 180 deg - No Ice		0.00	11419.55	279021.74	0.00	0.00
Wind 210 deg - No Ice		-5709.78	9889.62	241639.91	139510.87	0.00
Wind 225 deg - No Ice		-8074.84	8074.84	197298.16	197298.16	0.00
Wind 240 deg - No Ice		-9889.62	5709.78	139510.87	241639.91	0.00
Wind 270 deg - No Ice		-11419.55	0.00	0.00	279021.74	0.00
Wind 300 deg - No Ice		-9889.62	-5709.78	-139510.87	241639.91	0.00
Wind 315 deg - No Ice		-8074.84	-8074.84	-197298.16	197298.16	0.00
Wind 330 deg - No Ice		-5709.78	-9889.62	-241639.91	139510.87	0.00
Total Weight	8946.30			0.00	0.00	
Wind 0 deg - Service		0.00	-1454.97	-35550.16	0.00	0.00
Wind 30 deg - Service		727.48	-1260.04	-30787.35	-17775.08	0.00
Wind 45 deg - Service		1028.82	-1028.82	-25137.76	-25137.76	0.00
Wind 60 deg - Service		1260.04	-727.48	-17775.08	-30787.35	0.00
Wind 90 deg - Service		1454.97	0.00	0.00	-35550.16	0.00
Wind 120 deg - Service		1260.04	727.48	17775.08	-30787.35	0.00
Wind 135 deg - Service		1028.82	1028.82	25137.76	-25137.76	0.00
Wind 150 deg - Service		727.48	1260.04	30787.35	-17775.08	0.00
Wind 180 deg - Service		0.00	1454.97	35550.16	0.00	0.00
Wind 210 deg - Service		-727.48	1260.04	30787.35	17775.08	0.00
Wind 225 deg - Service		-1028.82	1028.82	25137.76	25137.76	0.00
Wind 240 deg - Service		-1260.04	727.48	17775.08	30787.35	0.00

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 12 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Load Case	Vertical Forces lb	Sum of Forces X lb	Sum of Forces Z lb	Sum of Overturning Moments, $M_x$ lb-ft	Sum of Overturning Moments, $M_z$ lb-ft	Sum of Torques lb-ft
Wind 270 deg - Service		-1454.97	0.00	0.00	35550.16	0.00
Wind 300 deg - Service		-1260.04	-727.48	-17775.08	30787.35	0.00
Wind 315 deg - Service		-1028.82	-1028.82	-25137.76	25137.76	0.00
Wind 330 deg - Service		-727.48	-1260.04	-30787.35	17775.08	0.00

## Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 45 deg - No Ice
7	0.9 Dead+1.0 Wind 45 deg - No Ice
8	1.2 Dead+1.0 Wind 60 deg - No Ice
9	0.9 Dead+1.0 Wind 60 deg - No Ice
10	1.2 Dead+1.0 Wind 90 deg - No Ice
11	0.9 Dead+1.0 Wind 90 deg - No Ice
12	1.2 Dead+1.0 Wind 120 deg - No Ice
13	0.9 Dead+1.0 Wind 120 deg - No Ice
14	1.2 Dead+1.0 Wind 135 deg - No Ice
15	0.9 Dead+1.0 Wind 135 deg - No Ice
16	1.2 Dead+1.0 Wind 150 deg - No Ice
17	0.9 Dead+1.0 Wind 150 deg - No Ice
18	1.2 Dead+1.0 Wind 180 deg - No Ice
19	0.9 Dead+1.0 Wind 180 deg - No Ice
20	1.2 Dead+1.0 Wind 210 deg - No Ice
21	0.9 Dead+1.0 Wind 210 deg - No Ice
22	1.2 Dead+1.0 Wind 225 deg - No Ice
23	0.9 Dead+1.0 Wind 225 deg - No Ice
24	1.2 Dead+1.0 Wind 240 deg - No Ice
25	0.9 Dead+1.0 Wind 240 deg - No Ice
26	1.2 Dead+1.0 Wind 270 deg - No Ice
27	0.9 Dead+1.0 Wind 270 deg - No Ice
28	1.2 Dead+1.0 Wind 300 deg - No Ice
29	0.9 Dead+1.0 Wind 300 deg - No Ice
30	1.2 Dead+1.0 Wind 315 deg - No Ice
31	0.9 Dead+1.0 Wind 315 deg - No Ice
32	1.2 Dead+1.0 Wind 330 deg - No Ice
33	0.9 Dead+1.0 Wind 330 deg - No Ice
34	Dead+Wind 0 deg - Service
35	Dead+Wind 30 deg - Service
36	Dead+Wind 45 deg - Service
37	Dead+Wind 60 deg - Service
38	Dead+Wind 90 deg - Service
39	Dead+Wind 120 deg - Service
40	Dead+Wind 135 deg - Service
41	Dead+Wind 150 deg - Service
42	Dead+Wind 180 deg - Service
43	Dead+Wind 210 deg - Service
44	Dead+Wind 225 deg - Service
45	Dead+Wind 240 deg - Service
46	Dead+Wind 270 deg - Service
47	Dead+Wind 300 deg - Service

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 13 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Comb. No.	Description
48	Dead+Wind 315 deg - Service
49	Dead+Wind 330 deg - Service

### Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
L1	130 - 94	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	6	-6987.89	-114856.88	114856.88
			Max. Mx	10	-6987.89	-162432.08	0.00
			Max. My	2	-6987.89	0.00	162432.08
			Max. Vy	10	7455.15	-82202.87	0.00
			Max. Vx	2	-7455.15	0.00	82202.87
			Max. Torque	4			-0.00
L2	94 - 82	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	6	-10726.45	-200861.07	200861.07
			Max. Mx	10	-10726.45	-284060.40	0.00
			Max. My	2	-10726.45	0.00	284060.40
			Max. Vy	10	11428.00	-284060.40	0.00
			Max. Vx	2	-11428.00	0.00	284060.40
			Max. Torque	4			-0.00

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Pole	Max. Vert	6	10735.55	-8074.77	8074.77
	Max. H <sub>x</sub>	26	10735.55	11419.45	0.00
	Max. H <sub>z</sub>	2	10735.55	0.00	11419.45
	Max. M <sub>x</sub>	2	284060.40	0.00	11419.45
	Max. M <sub>z</sub>	10	284060.40	-11419.45	0.00
	Max. Torsion	16	0.00	-5709.72	-9889.53
	Min. Vert	3	8051.66	0.00	11419.17
	Min. H <sub>x</sub>	10	10735.55	-11419.45	0.00
	Min. H <sub>z</sub>	18	10735.55	0.00	-11419.45
	Min. M <sub>x</sub>	18	-284060.40	0.00	-11419.45
	Min. M <sub>z</sub>	26	-284060.40	11419.45	0.00
	Min. Torsion	4	-0.00	-5709.72	9889.53

### Tower Mast Reaction Summary

Load Combination	Vertical lb	Shear <sub>x</sub> lb	Shear <sub>z</sub> lb	Overturning Moment, M <sub>x</sub> lb-ft	Overturning Moment, M <sub>z</sub> lb-ft	Torque lb-ft
Dead Only	8946.30	0.00	0.00	0.00	0.00	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	10735.55	0.00	-11419.45	-284060.40	0.00	0.00
0.9 Dead+1.0 Wind 0 deg - No Ice	8051.66	0.00	-11419.17	-282743.67	0.00	0.00

<b>Job</b>	Ft. Pierce Orange Ave	Page 14 of 29
<b>Project</b>	U0142-705-181	<b>Date</b> 10:59:10 09/13/18
<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Load Combination	Vertical lb	Shear <sub>x</sub> lb	Shear <sub>z</sub> lb	Overturning Moment, M <sub>x</sub> lb-ft	Overturning Moment, M <sub>z</sub> lb-ft	Torque lb-ft
1.2 Dead+1.0 Wind 30 deg - No Ice	10735.55	5709.72	-9889.53	-246003.55	-142030.24	0.00
0.9 Dead+1.0 Wind 30 deg - No Ice	8051.67	5709.74	-9889.56	-244873.51	-141377.81	0.00
1.2 Dead+1.0 Wind 45 deg - No Ice	10735.55	8074.77	-8074.77	-200861.07	-200861.07	0.00
0.9 Dead+1.0 Wind 45 deg - No Ice	8051.67	8074.79	-8074.79	-199938.40	-199938.40	0.00
1.2 Dead+1.0 Wind 60 deg - No Ice	10735.55	9889.53	-5709.72	-142030.24	-246003.55	-0.00
0.9 Dead+1.0 Wind 60 deg - No Ice	8051.67	9889.56	-5709.74	-141377.81	-244873.51	-0.00
1.2 Dead+1.0 Wind 90 deg - No Ice	10735.55	11419.45	0.00	0.00	-284060.40	0.00
0.9 Dead+1.0 Wind 90 deg - No Ice	8051.66	11419.17	0.00	0.00	-282743.67	0.00
1.2 Dead+1.0 Wind 120 deg - No Ice	10735.55	9889.53	5709.72	142030.24	-246003.55	0.00
0.9 Dead+1.0 Wind 120 deg - No Ice	8051.67	9889.56	5709.74	141377.81	-244873.51	0.00
1.2 Dead+1.0 Wind 135 deg - No Ice	10735.55	8074.77	8074.77	200861.07	-200861.07	0.00
0.9 Dead+1.0 Wind 135 deg - No Ice	8051.67	8074.79	8074.79	199938.40	-199938.40	0.00
1.2 Dead+1.0 Wind 150 deg - No Ice	10735.55	5709.72	9889.53	246003.55	-142030.24	-0.00
0.9 Dead+1.0 Wind 150 deg - No Ice	8051.67	5709.74	9889.56	244873.51	-141377.81	-0.00
1.2 Dead+1.0 Wind 180 deg - No Ice	10735.55	0.00	11419.45	284060.40	0.00	0.00
0.9 Dead+1.0 Wind 180 deg - No Ice	8051.66	0.00	11419.17	282743.67	0.00	0.00
1.2 Dead+1.0 Wind 210 deg - No Ice	10735.55	-5709.72	9889.53	246003.55	142030.24	0.00
0.9 Dead+1.0 Wind 210 deg - No Ice	8051.67	-5709.74	9889.56	244873.51	141377.81	0.00
1.2 Dead+1.0 Wind 225 deg - No Ice	10735.55	-8074.77	8074.77	200861.07	200861.07	0.00
0.9 Dead+1.0 Wind 225 deg - No Ice	8051.67	-8074.79	8074.79	199938.40	199938.40	0.00
1.2 Dead+1.0 Wind 240 deg - No Ice	10735.55	-9889.53	5709.72	142030.24	246003.55	-0.00
0.9 Dead+1.0 Wind 240 deg - No Ice	8051.67	-9889.56	5709.74	141377.81	244873.51	-0.00
1.2 Dead+1.0 Wind 270 deg - No Ice	10735.55	-11419.45	0.00	0.00	284060.40	0.00
0.9 Dead+1.0 Wind 270 deg - No Ice	8051.66	-11419.17	0.00	0.00	282743.67	0.00
1.2 Dead+1.0 Wind 300 deg - No Ice	10735.55	-9889.53	-5709.72	-142030.24	246003.55	0.00
0.9 Dead+1.0 Wind 300 deg - No Ice	8051.67	-9889.56	-5709.74	-141377.81	244873.51	0.00
1.2 Dead+1.0 Wind 315 deg - No Ice	10735.55	-8074.77	-8074.77	-200861.07	200861.07	0.00
0.9 Dead+1.0 Wind 315 deg - No Ice	8051.67	-8074.79	-8074.79	-199938.40	199938.40	0.00
1.2 Dead+1.0 Wind 330 deg - No Ice	10735.55	-5709.72	-9889.53	-246003.55	142030.24	-0.00
0.9 Dead+1.0 Wind 330 deg - No Ice	8051.67	-5709.74	-9889.56	-244873.51	141377.81	-0.00
Dead+Wind 0 deg - Service	8946.30	0.00	-1454.72	-36083.48	0.00	0.00

<b>Job</b>	Ft. Pierce Orange Ave	Page 15 of 29
<b>Project</b>	U0142-705-181	<b>Date</b> 10:59:10 09/13/18
<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Load Combination	Vertical lb	Shear <sub>x</sub> lb	Shear <sub>z</sub> lb	Overturning Moment, M <sub>x</sub> lb-ft	Overturning Moment, M <sub>z</sub> lb-ft	Torque lb-ft
Dead+Wind 30 deg - Service	8946.30	727.36	-1259.82	-31249.21	-18041.74	0.00
Dead+Wind 45 deg - Service	8946.30	1028.64	-1028.64	-25514.88	-25514.88	0.00
Dead+Wind 60 deg - Service	8946.30	1259.82	-727.36	-18041.74	-31249.21	-0.00
Dead+Wind 90 deg - Service	8946.30	1454.72	0.00	0.00	-36083.48	0.00
Dead+Wind 120 deg - Service	8946.30	1259.82	727.36	18041.74	-31249.21	0.00
Dead+Wind 135 deg - Service	8946.30	1028.64	1028.64	25514.88	-25514.88	0.00
Dead+Wind 150 deg - Service	8946.30	727.36	1259.82	31249.21	-18041.74	-0.00
Dead+Wind 180 deg - Service	8946.30	0.00	1454.72	36083.48	0.00	0.00
Dead+Wind 210 deg - Service	8946.30	-727.36	1259.82	31249.21	18041.74	0.00
Dead+Wind 225 deg - Service	8946.30	-1028.64	1028.64	25514.88	25514.88	0.00
Dead+Wind 240 deg - Service	8946.30	-1259.82	727.36	18041.74	31249.21	-0.00
Dead+Wind 270 deg - Service	8946.30	-1454.72	0.00	0.00	36083.48	0.00
Dead+Wind 300 deg - Service	8946.30	-1259.82	-727.36	-18041.74	31249.21	0.00
Dead+Wind 315 deg - Service	8946.30	-1028.64	-1028.64	-25514.88	25514.88	0.00
Dead+Wind 330 deg - Service	8946.30	-727.36	-1259.82	-31249.21	18041.74	-0.00

### Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	
1	0.00	-8946.30	0.00	0.00	8946.30	0.00	0.000%
2	0.00	-10735.56	-11419.55	0.00	10735.55	11419.45	0.001%
3	0.00	-8051.67	-11419.55	0.00	8051.66	11419.17	0.003%
4	5709.78	-10735.56	-9889.62	-5709.72	10735.55	9889.53	0.001%
5	5709.78	-8051.67	-9889.62	-5709.74	8051.67	9889.56	0.001%
6	8074.84	-10735.56	-8074.84	-8074.77	10735.55	8074.77	0.001%
7	8074.84	-8051.67	-8074.84	-8074.79	8051.67	8074.79	0.001%
8	9889.62	-10735.56	-5709.78	-9889.53	10735.55	5709.72	0.001%
9	9889.62	-8051.67	-5709.78	-9889.56	8051.67	5709.74	0.001%
10	11419.55	-10735.56	0.00	-11419.45	10735.55	0.00	0.001%
11	11419.55	-8051.67	0.00	-11419.17	8051.66	0.00	0.003%
12	9889.62	-10735.56	5709.78	-9889.53	10735.55	-5709.72	0.001%
13	9889.62	-8051.67	5709.78	-9889.56	8051.67	-5709.74	0.001%
14	8074.84	-10735.56	8074.84	-8074.77	10735.55	-8074.77	0.001%
15	8074.84	-8051.67	8074.84	-8074.79	8051.67	-8074.79	0.001%
16	5709.78	-10735.56	9889.62	-5709.72	10735.55	-9889.53	0.001%
17	5709.78	-8051.67	9889.62	-5709.74	8051.67	-9889.56	0.001%
18	0.00	-10735.56	11419.55	0.00	10735.55	-11419.45	0.001%
19	0.00	-8051.67	11419.55	0.00	8051.66	-11419.17	0.003%
20	-5709.78	-10735.56	9889.62	5709.72	10735.55	-9889.53	0.001%
21	-5709.78	-8051.67	9889.62	5709.74	8051.67	-9889.56	0.001%
22	-8074.84	-10735.56	8074.84	8074.77	10735.55	-8074.77	0.001%
23	-8074.84	-8051.67	8074.84	8074.79	8051.67	-8074.79	0.001%
24	-9889.62	-10735.56	5709.78	9889.53	10735.55	-5709.72	0.001%
25	-9889.62	-8051.67	5709.78	9889.56	8051.67	-5709.74	0.001%
26	-11419.55	-10735.56	0.00	11419.45	10735.55	0.00	0.001%
27	-11419.55	-8051.67	0.00	11419.17	8051.66	0.00	0.003%
28	-9889.62	-10735.56	-5709.78	9889.53	10735.55	5709.72	0.001%
29	-9889.62	-8051.67	-5709.78	9889.56	8051.67	5709.74	0.001%
30	-8074.84	-10735.56	-8074.84	8074.77	10735.55	8074.77	0.001%
31	-8074.84	-8051.67	-8074.84	8074.79	8051.67	8074.79	0.001%
32	-5709.78	-10735.56	-9889.62	5709.72	10735.55	9889.53	0.001%
33	-5709.78	-8051.67	-9889.62	5709.74	8051.67	9889.56	0.001%
34	0.00	-8946.30	-1454.97	0.00	8946.30	1454.72	0.003%
35	727.48	-8946.30	-1260.04	-727.36	8946.30	1259.82	0.003%
36	1028.82	-8946.30	-1028.82	-1028.64	8946.30	1028.64	0.003%
37	1260.04	-8946.30	-727.48	-1259.82	8946.30	727.36	0.003%

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 16 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	
38	1454.97	-8946.30	0.00	-1454.72	8946.30	0.00	0.003%
39	1260.04	-8946.30	727.48	-1259.82	8946.30	-727.36	0.003%
40	1028.82	-8946.30	1028.82	-1028.64	8946.30	-1028.64	0.003%
41	727.48	-8946.30	1260.04	-727.36	8946.30	-1259.82	0.003%
42	0.00	-8946.30	1454.97	0.00	8946.30	-1454.72	0.003%
43	-727.48	-8946.30	1260.04	727.36	8946.30	-1259.82	0.003%
44	-1028.82	-8946.30	1028.82	1028.64	8946.30	-1028.64	0.003%
45	-1260.04	-8946.30	727.48	1259.82	8946.30	-727.36	0.003%
46	-1454.97	-8946.30	0.00	1454.72	8946.30	0.00	0.003%
47	-1260.04	-8946.30	-727.48	1259.82	8946.30	727.36	0.003%
48	-1028.82	-8946.30	-1028.82	1028.64	8946.30	1028.64	0.003%
49	-727.48	-8946.30	-1260.04	727.36	8946.30	1259.82	0.003%

## Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	10	0.00000001	0.00003736
3	Yes	9	0.00000001	0.00012900
4	Yes	10	0.00000001	0.00011385
5	Yes	10	0.00000001	0.00008987
6	Yes	10	0.00000001	0.00012922
7	Yes	10	0.00000001	0.00010190
8	Yes	10	0.00000001	0.00011385
9	Yes	10	0.00000001	0.00008987
10	Yes	10	0.00000001	0.00003736
11	Yes	9	0.00000001	0.00012900
12	Yes	10	0.00000001	0.00011385
13	Yes	10	0.00000001	0.00008987
14	Yes	10	0.00000001	0.00012922
15	Yes	10	0.00000001	0.00010190
16	Yes	10	0.00000001	0.00011385
17	Yes	10	0.00000001	0.00008987
18	Yes	10	0.00000001	0.00003736
19	Yes	9	0.00000001	0.00012900
20	Yes	10	0.00000001	0.00011385
21	Yes	10	0.00000001	0.00008987
22	Yes	10	0.00000001	0.00012922
23	Yes	10	0.00000001	0.00010190
24	Yes	10	0.00000001	0.00011385
25	Yes	10	0.00000001	0.00008987
26	Yes	10	0.00000001	0.00003736
27	Yes	9	0.00000001	0.00012900
28	Yes	10	0.00000001	0.00011385
29	Yes	10	0.00000001	0.00008987
30	Yes	10	0.00000001	0.00012922
31	Yes	10	0.00000001	0.00010190
32	Yes	10	0.00000001	0.00011385
33	Yes	10	0.00000001	0.00008987
34	Yes	8	0.00000001	0.00010603
35	Yes	8	0.00000001	0.00010463
36	Yes	8	0.00000001	0.00010416
37	Yes	8	0.00000001	0.00010463
38	Yes	8	0.00000001	0.00010603
39	Yes	8	0.00000001	0.00010463

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 17 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

40	Yes	8	0.00000001	0.00010416
41	Yes	8	0.00000001	0.00010463
42	Yes	8	0.00000001	0.00010603
43	Yes	8	0.00000001	0.00010463
44	Yes	8	0.00000001	0.00010416
45	Yes	8	0.00000001	0.00010463
46	Yes	8	0.00000001	0.00010603
47	Yes	8	0.00000001	0.00010463
48	Yes	8	0.00000001	0.00010416
49	Yes	8	0.00000001	0.00010463

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	130 - 94	2.092	34	0.3100	0.0000
L2	94 - 82	0.152	34	0.1107	0.0000

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	Top Plate	34	2.092	0.3100	0.0000	33522
124.00	(3) Generic Panel 105# (enclosed)	34	1.678	0.2849	0.0000	27935
118.00	Bulkhead	34	1.280	0.2583	0.0000	13967
112.00	(3) Generic Panel 100# (enclosed)	34	0.913	0.2291	0.0000	9312
106.00	Bulkhead	34	0.592	0.1956	0.0000	6984
100.00	(3) Generic Panel 100# (enclosed)	34	0.333	0.1566	0.0000	5587
94.00	Bulkhead	34	0.152	0.1107	0.0000	5131
88.00	(3) Generic Panel 100# (enclosed)	36	0.053	0.0574	0.0000	9311
82.00	Bottom Plate	0	0.000	0.0000	0.0000	11174

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	130 - 94	16.479	10	2.4430	0.0000
L2	94 - 82	1.195	2	0.8719	0.0000

### Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
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<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 18 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Elevation	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	Top Plate	10	16.479	2.4430	0.0000	4267
124.00	(3) Generic Panel 105# (enclosed)	10	13.221	2.2446	0.0000	3556
118.00	Bulkhead	2	10.084	2.0354	0.0000	1777
112.00	(3) Generic Panel 100# (enclosed)	10	7.192	1.8044	0.0000	1184
106.00	Bulkhead	2	4.665	1.5407	0.0000	888
100.00	(3) Generic Panel 100# (enclosed)	10	2.625	1.2335	0.0000	710
94.00	Bulkhead	2	1.195	0.8719	0.0000	651
88.00	(3) Generic Panel 100# (enclosed)	6	0.415	0.4523	0.0000	1182
82.00	Bottom Plate	0	0.000	0.0000	0.0000	1418

### Compression Checks

### Pole Design Data

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> lb	φP <sub>n</sub> lb	Ratio $\frac{P_u}{\phi P_n}$
L1	130 - 128.2	P12x .562 13th	36.00	0.00	0.0	20.0771	-567.22	758915.00	0.001
	128.2 - 126.4					20.0771	-754.51	758915.00	0.001
	126.4 - 124.6					20.0771	-941.91	758915.00	0.001
	124.6 - 122.8					20.0771	-1686.91	758915.00	0.002
	122.8 - 121					20.0771	-1874.52	758915.00	0.002
	121 - 119.2					20.0771	-2062.24	758915.00	0.003
	119.2 - 117.4					20.0771	-2752.94	758915.00	0.004
	117.4 - 115.6					20.0771	-2942.48	758915.00	0.004
	115.6 - 113.8					20.0771	-3132.87	758915.00	0.004
	113.8 - 112					20.0771	-3324.16	758915.00	0.004
	112 - 110.2					20.0771	-4073.94	758915.00	0.005
	110.2 - 108.4					20.0771	-4267.06	758915.00	0.006
	108.4 - 106.6					20.0771	-4461.08	758915.00	0.006
	106.6 - 104.8					20.0771	-5183.62	758915.00	0.007
	104.8 - 103					20.0771	-5385.46	758915.00	0.007
	103 - 101.2					20.0771	-5589.67	758915.00	0.007
	101.2 - 99.4					20.0771	-6354.04	758915.00	0.008
99.4 - 97.6	20.0771	-6563.00	758915.00	0.009					
97.6 - 95.8	20.0771	-6774.29	758915.00	0.009					
95.8 - 94	20.0771	-6987.89	758915.00	0.009					
L2	94 - 93	P16x.656 13th	12.00	0.00	0.0	29.4930	-7754.40	1114830.00	0.007
	93 - 92					29.4930	-7930.71	1114830.00	0.007
	92 - 91					29.4930	-8107.60	1114830.00	0.007
	91 - 90					29.4930	-8285.08	1114830.00	0.007
	90 - 89					29.4930	-8463.14	1114830.00	0.008
	89 - 88					29.4930	-8641.77	1114830.00	0.008
	88 - 87					29.4930	-9378.96	1114830.00	0.008
	87 - 86					29.4930	-9558.75	1114830.00	0.009
	86 - 85					29.4930	-9739.10	1114830.00	0.009
	85 - 84					29.4930	-9920.02	1114830.00	0.009
	84 - 83					29.4930	-10101.50	1114830.00	0.009
83 - 82	29.4930	-10283.50	1114830.00	0.009					

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 19 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

### Pole Bending Design Data

Section No.	Elevation ft	Size	$M_{ux}$	$\phi M_{ux}$	Ratio	$M_{uy}$	$\phi M_{uy}$	Ratio
			lb-ft	lb-ft	$\frac{M_{ux}}{\phi M_{ux}}$	lb-ft	lb-ft	$\frac{M_{uy}}{\phi M_{uy}}$
L1	130 - 128.2	P12x .562 13th	2726.04	246296.67	0.011	0.00	246296.67	0.000
	128.2 - 126.4		5465.67	246296.67	0.022	0.00	246296.67	0.000
	126.4 - 124.6		8219.42	246296.67	0.033	0.00	246296.67	0.000
	124.6 - 122.8		11015.33	246296.67	0.045	0.00	246296.67	0.000
	122.8 - 121		13838.83	246296.67	0.056	0.00	246296.67	0.000
	121 - 119.2		16675.25	246296.67	0.068	0.00	246296.67	0.000
	119.2 - 117.4		21293.33	246296.67	0.086	0.00	246296.67	0.000
	117.4 - 115.6		29460.08	246296.67	0.120	0.00	246296.67	0.000
	115.6 - 113.8		37636.67	246296.67	0.153	0.00	246296.67	0.000
	113.8 - 112		45821.50	246296.67	0.186	0.00	246296.67	0.000
	112 - 110.2		54051.08	246296.67	0.219	0.00	246296.67	0.000
	110.2 - 108.4		62283.75	246296.67	0.253	0.00	246296.67	0.000
	108.4 - 106.6		70517.25	246296.67	0.286	0.00	246296.67	0.000
	106.6 - 104.8		82203.25	246296.67	0.334	0.00	246296.67	0.000
	104.8 - 103		95609.17	246296.67	0.388	0.00	246296.67	0.000
	103 - 101.2		109004.17	246296.67	0.443	0.00	246296.67	0.000
	101.2 - 99.4		122390.83	246296.67	0.497	0.00	246296.67	0.000
L2	99.4 - 97.6	P16x.656 13th	135770.83	246296.67	0.551	0.00	246296.67	0.000
	97.6 - 95.8		149120.00	246296.67	0.605	0.00	246296.67	0.000
	95.8 - 94		162432.50	246296.67	0.659	0.00	246296.67	0.000
	94 - 93		172611.67	455350.00	0.379	0.00	455350.00	0.000
	93 - 92		182785.00	455350.00	0.401	0.00	455350.00	0.000
	92 - 91		192953.33	455350.00	0.424	0.00	455350.00	0.000
	91 - 90		203114.17	455350.00	0.446	0.00	455350.00	0.000
	90 - 89		213267.50	455350.00	0.468	0.00	455350.00	0.000
	89 - 88		223411.67	455350.00	0.491	0.00	455350.00	0.000
	88 - 87		233551.67	455350.00	0.513	0.00	455350.00	0.000
	87 - 86		243680.00	455350.00	0.535	0.00	455350.00	0.000
	86 - 85		253795.83	455350.00	0.557	0.00	455350.00	0.000
	85 - 84		263899.17	455350.00	0.580	0.00	455350.00	0.000
	84 - 83		273987.50	455350.00	0.602	0.00	455350.00	0.000
	83 - 82		284060.83	455350.00	0.624	0.00	455350.00	0.000

### Pole Shear Design Data

Section No.	Elevation ft	Size	Actual	$\phi V_n$	Ratio	Actual	$\phi T_n$	Ratio
			$V_u$ lb	lb	$\frac{V_u}{\phi V_n}$	$T_u$ lb-ft	lb-ft	$\frac{T_u}{\phi T_n}$
L1	130 - 128.2	P12x .562 13th	1518.86	379457.00	0.004	0.00	371474.17	0.000
	128.2 - 126.4		1526.78	379457.00	0.004	0.00	371474.17	0.000
	126.4 - 124.6		1534.62	379457.00	0.004	0.00	371474.17	0.000
	124.6 - 122.8		1565.88	379457.00	0.004	0.00	371474.17	0.000
	122.8 - 121		1573.28	379457.00	0.004	0.00	371474.17	0.000
	121 - 119.2		1580.44	379457.00	0.004	0.00	371474.17	0.000
	119.2 - 117.4		4535.39	379457.00	0.012	0.00	371474.17	0.000
	117.4 - 115.6		4541.57	379457.00	0.012	0.00	371474.17	0.000
	115.6 - 113.8		4546.96	379457.00	0.012	0.00	371474.17	0.000
	113.8 - 112		4551.44	379457.00	0.012	0.00	371474.17	0.000
	112 - 110.2		4576.11	379457.00	0.012	0.00	371474.17	0.000
	110.2 - 108.4		4577.70	379457.00	0.012	0.00	371474.17	0.000
	108.4 - 106.6		4577.92	379457.00	0.012	0.00	371474.17	0.000
	106.6 - 104.8		7455.52	379457.00	0.020	0.00	371474.17	0.000
104.8 - 103	7451.23	379457.00	0.020	0.00	371474.17	0.000		

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 20 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section No.	Elevation ft	Size	Actual $V_u$ lb	$\phi V_n$ lb	Ratio $\frac{V_u}{\phi V_n}$	Actual $T_u$ lb-ft	$\phi T_n$ lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L2	103 - 101.2	P16x.656 13th	7444.40	379457.00	0.020	0.00	371474.17	0.000
	101.2 - 99.4		7449.79	379457.00	0.020	0.00	371474.17	0.000
	99.4 - 97.6		7435.68	379457.00	0.020	0.00	371474.17	0.000
	97.6 - 95.8		7418.28	379457.00	0.020	0.00	371474.17	0.000
	95.8 - 94		7397.38	379457.00	0.019	0.00	371474.17	0.000
	94 - 93		10180.60	557417.00	0.018	0.00	688712.50	0.000
	93 - 92		10175.20	557417.00	0.018	0.00	688712.50	0.000
	92 - 91		10169.10	557417.00	0.018	0.00	688712.50	0.000
	91 - 90		10162.10	557417.00	0.018	0.00	688712.50	0.000
	90 - 89		10154.20	557417.00	0.018	0.00	688712.50	0.000
	89 - 88		10145.50	557417.00	0.018	0.00	688712.50	0.000
	88 - 87		10140.30	557417.00	0.018	0.00	688712.50	0.000
	87 - 86		10129.00	557417.00	0.018	0.00	688712.50	0.000
	86 - 85		10116.60	557417.00	0.018	0.00	688712.50	0.000
	85 - 84		10103.20	557417.00	0.018	0.00	688712.50	0.000
	84 - 83		10088.70	557417.00	0.018	0.00	688712.50	0.000
	83 - 82		10073.10	557417.00	0.018	0.00	688712.50	0.000

### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	130 - 128.2	0.001	0.011	0.000	0.004	0.000	0.012	1.000	4.8.2 ✓
	128.2 - 126.4	0.001	0.022	0.000	0.004	0.000	0.023	1.000	4.8.2 ✓
	126.4 - 124.6	0.001	0.033	0.000	0.004	0.000	0.035	1.000	4.8.2 ✓
	124.6 - 122.8	0.002	0.045	0.000	0.004	0.000	0.047	1.000	4.8.2 ✓
	122.8 - 121	0.002	0.056	0.000	0.004	0.000	0.059	1.000	4.8.2 ✓
	121 - 119.2	0.003	0.068	0.000	0.004	0.000	0.070	1.000	4.8.2 ✓
	119.2 - 117.4	0.004	0.086	0.000	0.012	0.000	0.090	1.000	4.8.2 ✓
	117.4 - 115.6	0.004	0.120	0.000	0.012	0.000	0.124	1.000	4.8.2 ✓
	115.6 - 113.8	0.004	0.153	0.000	0.012	0.000	0.157	1.000	4.8.2 ✓
	113.8 - 112	0.004	0.186	0.000	0.012	0.000	0.191	1.000	4.8.2 ✓
	112 - 110.2	0.005	0.219	0.000	0.012	0.000	0.225	1.000	4.8.2 ✓
	110.2 - 108.4	0.006	0.253	0.000	0.012	0.000	0.259	1.000	4.8.2 ✓
	108.4 - 106.6	0.006	0.286	0.000	0.012	0.000	0.292	1.000	4.8.2 ✓
	106.6 - 104.8	0.007	0.334	0.000	0.020	0.000	0.341	1.000	4.8.2 ✓

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orange Ave	Page 21 of 29
	<b>Project</b> U0142-705-181	<b>Date</b> 10:59:10 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section No.	Elevation ft	Ratio $P_u$	Ratio $M_{ux}$	Ratio $M_{uy}$	Ratio $V_u$	Ratio $T_u$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
	104.8 - 103	0.007	0.388	0.000	0.020	0.000	0.396	1.000	4.8.2 ✓
	103 - 101.2	0.007	0.443	0.000	0.020	0.000	0.450	1.000	4.8.2 ✓
	101.2 - 99.4	0.008	0.497	0.000	0.020	0.000	0.506	1.000	4.8.2 ✓
	99.4 - 97.6	0.009	0.551	0.000	0.020	0.000	0.560	1.000	4.8.2 ✓
	97.6 - 95.8	0.009	0.605	0.000	0.020	0.000	0.615	1.000	4.8.2 ✓
	95.8 - 94	0.009	0.659	0.000	0.019	0.000	0.669	1.000	4.8.2 ✓
L2	94 - 93	0.007	0.379	0.000	0.018	0.000	0.386	1.000	4.8.2 ✓
	93 - 92	0.007	0.401	0.000	0.018	0.000	0.409	1.000	4.8.2 ✓
	92 - 91	0.007	0.424	0.000	0.018	0.000	0.431	1.000	4.8.2 ✓
	91 - 90	0.007	0.446	0.000	0.018	0.000	0.454	1.000	4.8.2 ✓
	90 - 89	0.008	0.468	0.000	0.018	0.000	0.476	1.000	4.8.2 ✓
	89 - 88	0.008	0.491	0.000	0.018	0.000	0.499	1.000	4.8.2 ✓
	88 - 87	0.008	0.513	0.000	0.018	0.000	0.522	1.000	4.8.2 ✓
	87 - 86	0.009	0.535	0.000	0.018	0.000	0.544	1.000	4.8.2 ✓
	86 - 85	0.009	0.557	0.000	0.018	0.000	0.566	1.000	4.8.2 ✓
	85 - 84	0.009	0.580	0.000	0.018	0.000	0.589	1.000	4.8.2 ✓
	84 - 83	0.009	0.602	0.000	0.018	0.000	0.611	1.000	4.8.2 ✓
	83 - 82	0.009	0.624	0.000	0.018	0.000	0.633	1.000	4.8.2 ✓

### Section Capacity Table

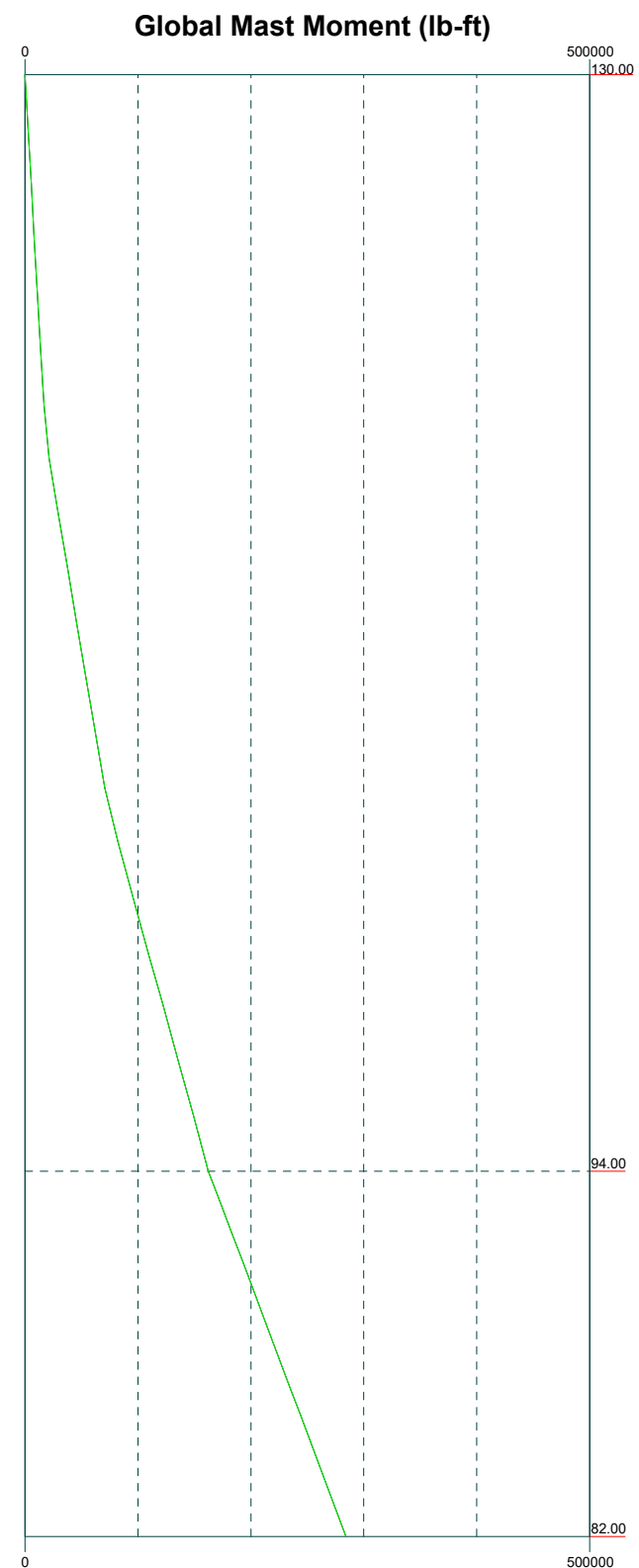
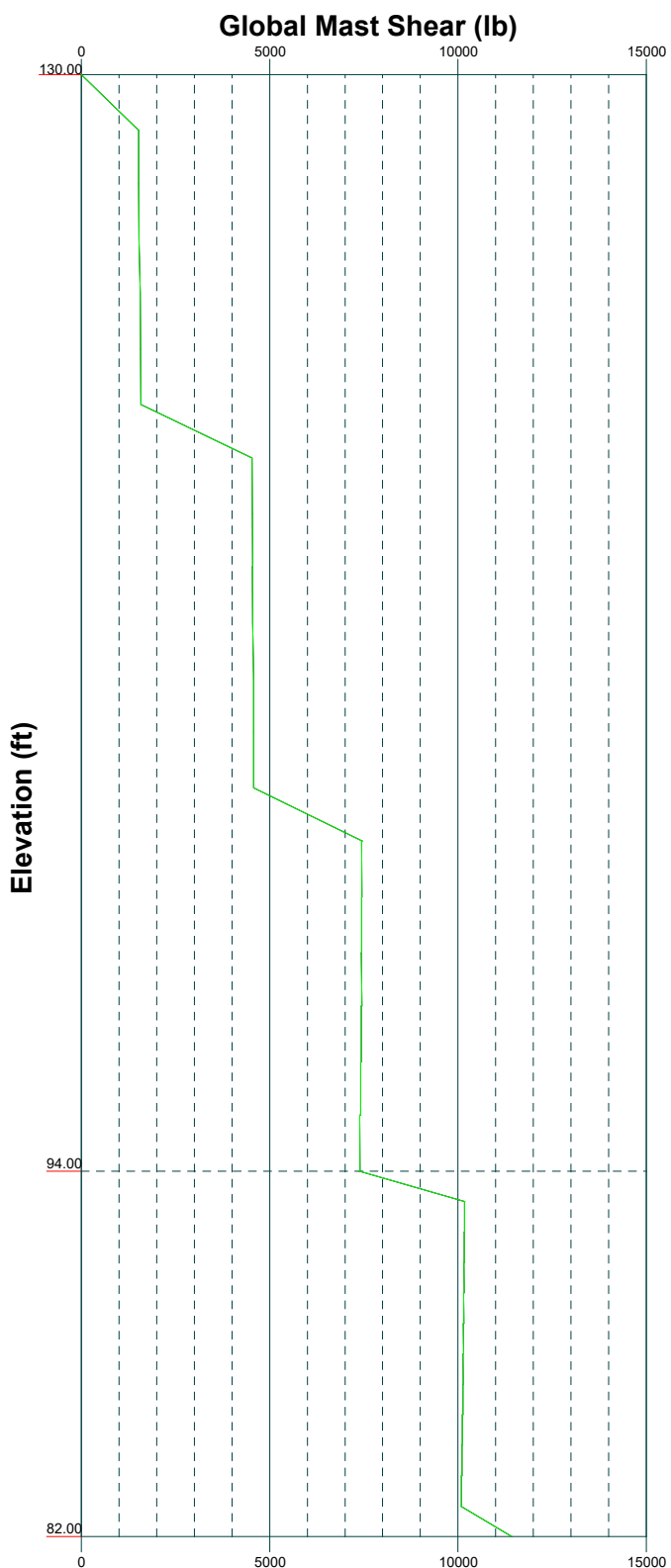
Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$\phi P_{allow}$ lb	% Capacity	Pass Fail	
L1	130 - 94	Pole	P12x .562 13th	1	-6987.89	758915.00	66.9	Pass	
L2	94 - 82	Pole	P16x.656 13th	2	-10283.50	1114830.00	63.3	Pass	
							Summary		
							Pole (L1)	66.9	Pass
							<b>RATING =</b>	<b>66.9</b>	<b>Pass</b>


Vx

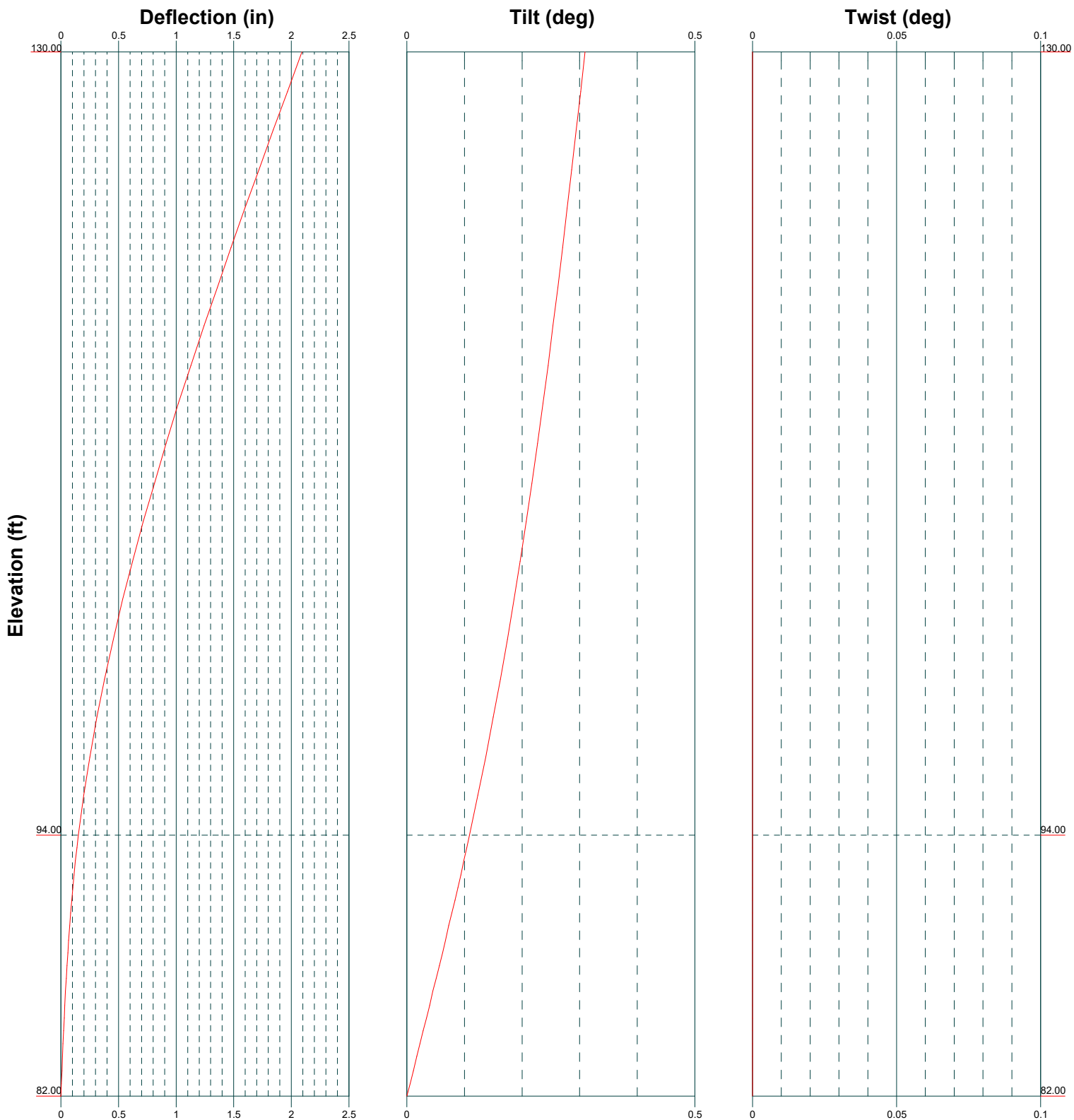
Vz

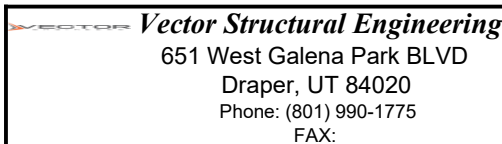
Mx

Mz



 <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job: Ft. Pierce Orange Ave</b>		
	Project: <b>U0142-705-181</b>		
	Client: <b>STEALTH@ Concealment Solutions</b>	Drawn by: <b>dfoulger</b>	App'd:
	Code: <b>TIA-222-G</b>	Date: <b>09/13/18</b>	Scale: <b>NTS</b>
	Path:		Dwg No. <b>E-4</b>



 <p><b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:</p>	<b>Job: Ft. Pierce Orange Ave</b>		
	Project: <b>U0142-705-181</b>		
	Client: <b>STEALTH® Concealment Solutions</b>	Drawn by: <b>dfoulger</b>	App'd:
	Code: <b>TIA-222-G</b>	Date: <b>09/13/18</b>	Scale: <b>NTS</b>
	Path:		Dwg No. <b>E-5</b>

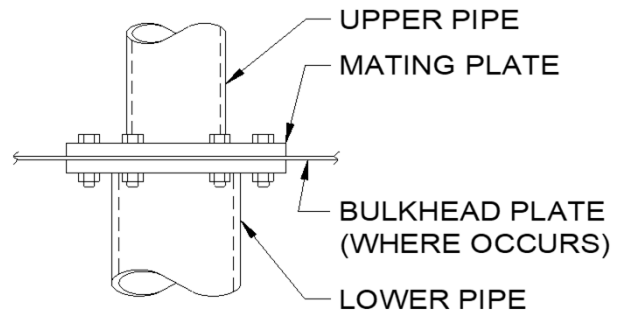


JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

## Bolted Annular Plates

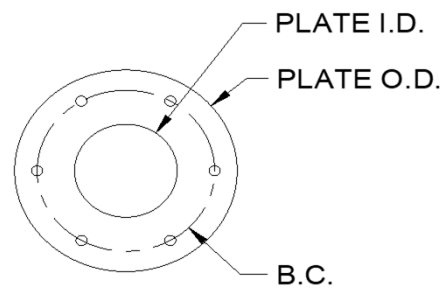
Plate $F_y$ (ksi)	50
Upper Pipe Outer Diameter (in)	12.75
Upper Pipe Thickness $t_1$ (in)	0.562
Lower Pipe Thickness $t_2$ (in)	0.656
Lower Pipe Outer Diameter (in)	16
Moment @ Splice $M_u$ (kip-ft)	162.4
Axial @ Splice $P_u$ (kips)	7.0
Shear @ Splice $V_u$ (kips)	7.5



### Bolt Design

Bolt Circle Diameter BC (in)	19.75
Number of Bolts, n	6
$T_u$ / Bolt (kips)	65.8
$V_u$ / Bolt (kips)	1.2
Bolt Designation	A325
Bolt Diameter (in)	1 1/4
$\phi T_n$ (kips)	82.8
$\phi V_n$ (kips)	44.2
Combined Tension and Shear	0.79

79%



$$T_u = \frac{2M_u}{nr_b}$$

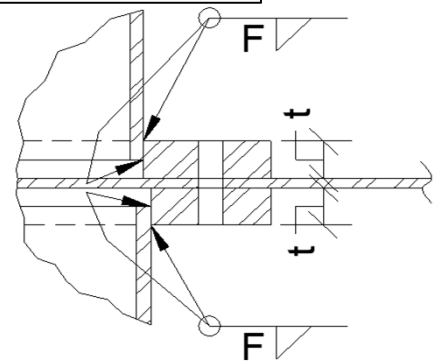
$$t = \sqrt{\frac{M_u(r_b - r_p)}{\phi F_y r_p r_b}}$$

### Plate Design

Upper Plate Hole Radius, $r_p$ (in)	6.4375
Lower Plate Hole Radius, $r_p$ (in)	8.0625
Bolt Circle Radius, $r_b$ (in)	9.875
Plate OD (in)	23.25
$\phi_{plate}$	0.9
Req'd Upper Plate Thickness, $t$ (in)	1.75
Req'd Lower Plate Thickness, $t$ (in)	1.50

76%

58%



### Welds

Fillet Weld Size F (in)	5/16
Weld Strength, $\phi R_n$ (k/in)	10.4
Weld Stress, $R_u$ (k/in)	7.7

74%



JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

## Gusset Calculation

Pipe Steel Grade	ASTM A500 Gr. B (42 KSI)
Gusset Plate $F_y$ (ksi)	36
Pipe Outer Diameter (in)	12.75
Pipe Thickness (in)	0.562
Moment @ Splice $M_u$ (kip-ft)	162
Axial @ Splice $P_u$ (kips)	7.0
Shear @ Splice $V_u$ (kips)	7.5

## Bearing Plate Information

Bearing Plate Connected to Pipe?	Yes
Bolt Circle BC (in)	19.75
Bolt Diameter (in)	1 1/4
Plate O.D. (in)	23.25
Plate Thickness (in)	1.75
Weld Size Around O.D. of Pipe (in)	0.3125

## Gusset Design

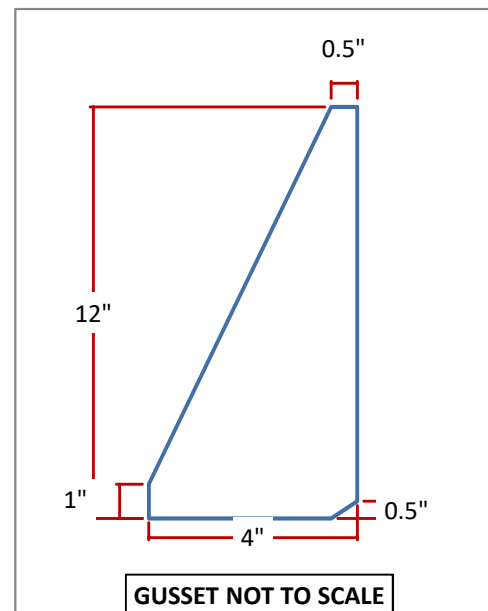
Gusset Quantity	6
Gusset Thickness (in)	0.75
Gusset Height (in)	12
Gusset Width (in)	4
Gusset Notch Vert. (in)	0.5
Gusset Notch Horiz. (in)	0.5

## Gusset Loading

$P_r$ / Gusset (kips)	49.5
$e$ (in):	2.8

## Gusset Capacity Checks

Gusset to Pipe Thickness Check	Okay
Flexural Yielding Check	16% Okay
Shear Yielding Check	31% Okay
Gusset Buckling Check	65% Okay
Pipe Wall Plastification Check	N/A Okay
Combined Tension & Shear Check	66% Okay



## Fit Checks

Washer to Pipe Weld Gap (in)	1.94
Washer to Gusset Weld Gap (in)	2.81

## Gusset Welds

Vert. Weld Size (in)	3/8	30%
Horiz. Weld Size (in)	1/2	74%



JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

## Bolted Annular & Spoked Plates

### Reactions

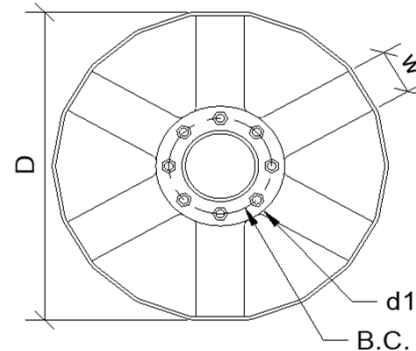
Moment @ Splice $M_u$ (kip-ft)	284.1
Axial @ Splice $P_u$ (kips)	11.1
Shear @ Splice $V_u$ (kips)	12.7

### Upper Pipe

Upper Pipe Outer Dia. (in)	16
Upper Pipe Thickness, $t_2$ (in)	0.656
Monopole Flat - Flat (in)	50
Monopole Thickness, $t_1$ (in)	0.3125

### Bolt Design

Bolt Circle Diameter BC (in)	20	
Number of Bolts	10	
Number of Spokes	6	
$T_u$ / Bolt (kips)	68.2	
$V_u$ / Bolt (kips)	1.3	
Bolt Designation	A325	
Bolt Diameter (in)	1.375	
$\phi T_n$ (kips)	100.2	
$\phi V_n$ (kips)	53.5	
Combined Tension and Shear	0.68	68%



$$T_u = \frac{2M_u}{nr_b}$$

$$T1 = \sqrt{\frac{M_u(r_b - r_p)}{\phi F_y r_p r_b}}$$

$$M_u = \frac{T_u b(a - b)}{a + b} + \frac{P_u b}{n}$$

### Upper Annular Plate

Plate $F_y$ (ksi)	50.0	
Has Gussets?	Yes	
Plate Hole Radius, $r_p$ (in)	8.0625	
Bolt Circle Radius, $r_b$ (in)	10	
Plate OD $d_1$ (in)	23.75	
$\phi_{plate}$	0.9	
Required Plate Thickness, $T_1$ (in)	1.75	59%

### Lower Spoked Plate

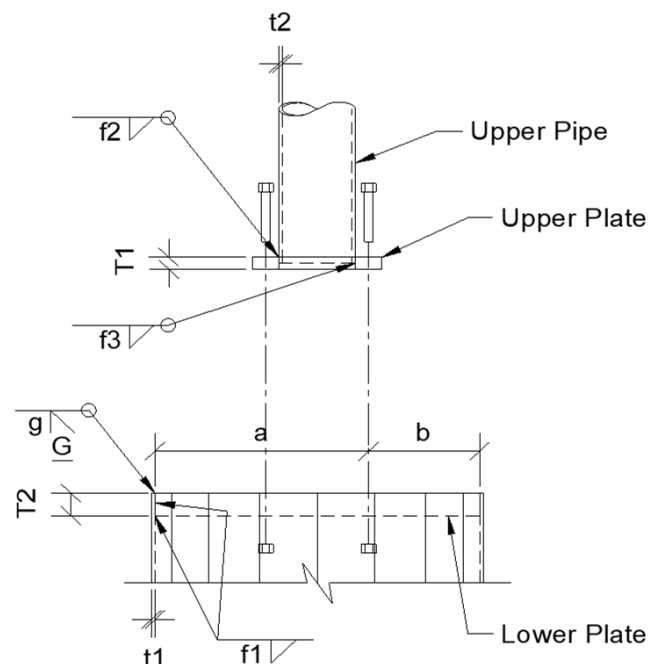
Plate $F_y$ (ksi)	50.0	
Plate Thickness, $T_2$ (in)	3.25	
Spoke Width, $w$ (in)	8	
Inside Flat Length (in)	8.27	
distance, $a$ (in)	34.69	
distance, $b$ (in)	14.69	
Plate Moment $M_u$ (kip-in)	703.3	
Edge Reaction (kip)	47.881	
$\phi M_p$ (kip-in)	951	74%

### Upper Plate Weld

Upper Fillet Weld Size, $f_2$ (in)	6/16	
Lower Fillet Weld Size, $f_3$ (in)	6/16	
Weld Strength, $\phi R_n$ (k/in)	25.1	
Weld Stress, $R_u$ (k/in)	17.2	69%

### Lower Plate Weld

Side & Underneath Fillet Size, $f_1$ (in)	4/16	
Fillet Length (in)	14.5	
Top Groove Weld Eff. Throat, $g$ (in)	4/16	
Weld Strength (kips)	143.7	33%





JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

## Gusset Calculation

Pipe Steel Grade	ASTM A500 Gr. B (42 KSI)
Gusset Plate $F_y$ (ksi)	36
Pipe Outer Diameter (in)	16
Pipe Thickness (in)	0.656
Moment @ Splice $M_u$ (kip-ft)	284
Axial @ Splice $P_u$ (kips)	11.1
Shear @ Splice $V_u$ (kips)	12.7

## Bearing Plate Information

Bearing Plate Connected to Pipe?	Yes
Bolt Circle BC (in)	20
Bolt Diameter (in)	1 3/8
Plate O.D. (in)	23.75
Plate Thickness (in)	1.75
Weld Size Around O.D. of Pipe (in)	0.3125

## Gusset Design

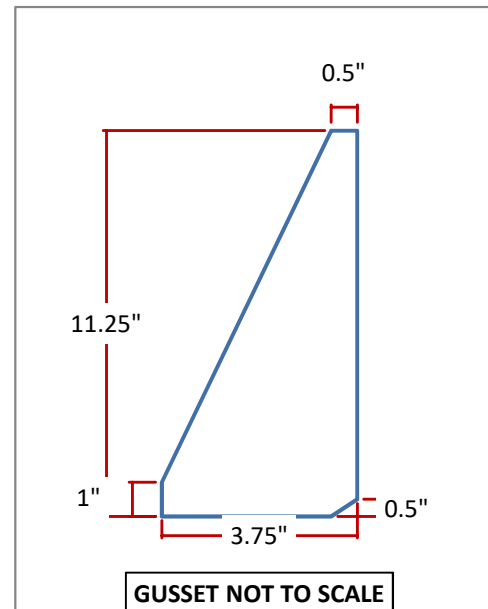
Gusset Quantity	10
Gusset Thickness (in)	0.5
Gusset Height (in)	11.25
Gusset Width (in)	3.75
Gusset Notch Vert. (in)	0.5
Gusset Notch Horiz. (in)	0.5

## Gusset Loading

$P_r$ / Gusset (kips)	35.0
$e$ (in):	2.7

## Gusset Capacity Checks

Gusset to Pipe Thickness Check	Okay
Flexural Yielding Check	18% Okay
Shear Yielding Check	36% Okay
Gusset Buckling Check	73% Okay
Pipe Wall Plastification Check	N/A Okay
Combined Tension & Shear Check	78% Okay



## Fit Checks

Washer to Pipe Weld Gap (in)	<b>0.31</b>
Washer to Gusset Weld Gap (in)	<b>1.09</b>

## Gusset Welds

Vert. Weld Size (in)	1/4	<b>34%</b>
Horiz. Weld Size (in)	3/8	<b>75%</b>

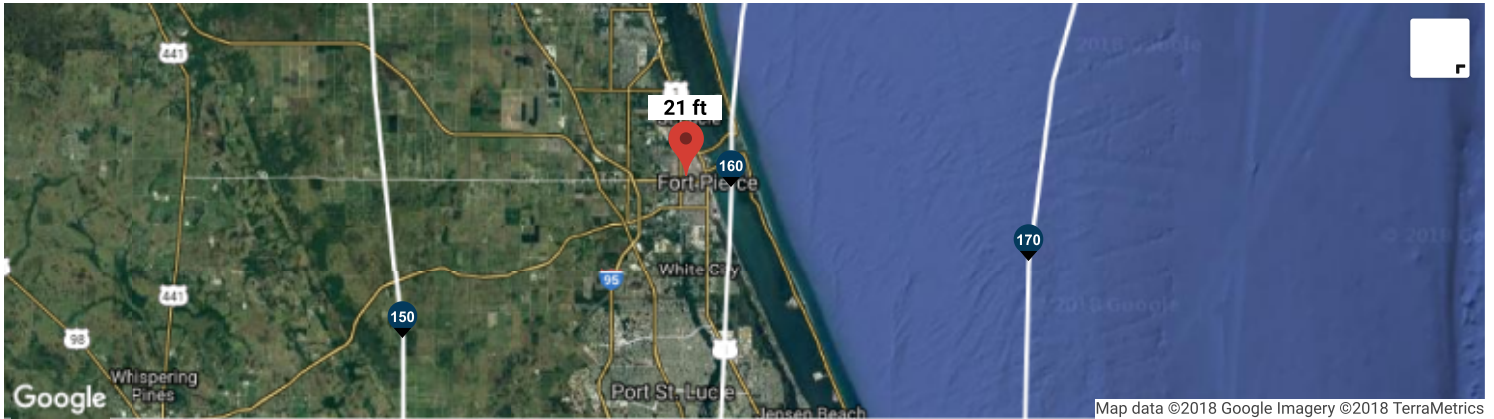
**⚠** This is a beta release of the new ATC Hazards by Location website. Please contact us with feedback.

**ATC Hazards by Location**

**Search Information**

**Coordinates:** 27.4475, -80.3455  
**Timestamp:** 2018-09-10T23:38:46.258Z  
**Hazard Type:** Wind

**Map Results**



**Text Results**

**ASCE 7-16**

- MRI 10-Year ..... 88 mph
- MRI 25-Year ..... 107 mph
- MRI 50-Year ..... 119 mph
- MRI 100-Year ..... **⚠** 131 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

- Risk Category I ..... **⚠** 147 mph

You are in a wind-borne debris region.

- Risk Category II ..... **⚠** 159 mph

You are in a wind-borne debris region.

- Risk Category III ..... **⚠** 170 mph

If the structure under consideration is a healthcare facility, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

- Risk Category IV ..... **⚠** 182 mph

You are in a wind-borne debris region.

**ASCE 7-10**

- MRI 10-Year ..... 88 mph
- MRI 25-Year ..... 107 mph
- MRI 50-Year ..... 119 mph

**MRI 100-Year**

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

**Risk Category I**

147 mph

You are in a wind-borne debris region.

**Risk Category II**

159 mph

You are in a wind-borne debris region.

**Risk Category III-IV**

170 mph

If the structure under consideration is a healthcare facility, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

**ASCE 7-05****ASCE 7-05 Wind Speed**

140 mph

You are in a wind-borne debris region.

*The results indicated here DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.*

**Disclaimer**

Hazard loads are interpolated from data provided in ASCE 7 and rounded up to the nearest whole integer. Per ASCE 7, islands and coastal areas outside the last contour should use the last wind speed contour of the coastal area – in some cases, this website will extrapolate past the last wind speed contour and therefore, provide a wind speed that is slightly higher. NOTE: For queries near wind-borne debris region boundaries, the resulting determination is sensitive to rounding which may affect whether or not it is considered to be within a wind-borne debris region.

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3034-A ASHLEY PHOSPHATE RD.  
NORTH CHARLESTON, SC 29418  
P: (800)-755-0689 / F: (843)-207-0207  
WWW.STEALTHCONCEALMENT.COM  
PROJECT MANAGER:  
CAROLINE WATSON ; (843)-574-9626

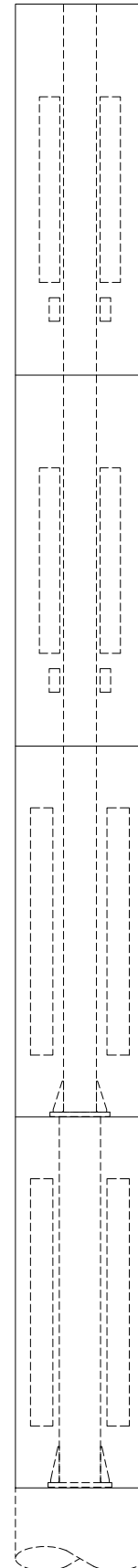
## FINAL ENGINEERING

**RG TOWERS**  
FT. PIERCE ORANGE AVE  
TOP SECTION  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

**STEALTH JOB #: RG18-01105W-05R1**

### DRAWING INDEX

T1	TITLE SHEET
N1-N2	NOTES & SPECIFICATIONS
S1	ELEVATIONS
S2-S5	DETAILS



09/17/2018



<b>T1</b>	REVISION
	<b>0</b>
9/17/18	

**DESIGN NOTES:**

STRUCTURAL DESIGN IS BASED ON THE FLORIDA BUILDING CODE, 2017 EDITION (2015 IBC) & THE TIA-222-G STANDARD.

**DESIGN LOADS:**

WIND:  
BASIC WIND SPEED: 159 MPH (3-SEC GUST) PER ASCE 7-10 STANDARD  
STRUCTURE CLASS: II  
EXPOSURE: C  
TOPOGRAPHIC CATEGORY: 1  
CREST HEIGHT: 0 FT

ICE: NONE

**ESTIMATED WEIGHT:**

9.3 k (1.0 DEAD)

**REACTIONS:**

SHEAR, V = ---- k (1.0 WIND)  
AXIAL, P = ---- k (1.2 DEAD)  
MOMENT, M = ---- k-ft (1.0 WIND)

THE REACTIONS V & M LISTED ABOVE SHALL BE CONSIDERED TO ACT IN ANY HORIZONTAL DIRECTION. ANALYSIS OF THE MONOPOLE SUPPORT STRUCTURE TO RESIST THE DESIGN REACTIONS LISTED ABOVE IS THE RESPONSIBILITY OF OTHERS.

**DESIGN:**

1. ENGINEERING AND DESIGN CALCULATIONS FOR STEALTH® POLE AND TOWER PRODUCTS ARE PREPARED IN ACCORDANCE WITH THE TIA-222-G. OTHER STRUCTURES ARE DESIGNED IN ACCORDANCE WITH APPLICABLE LOCAL OR NATIONAL STANDARDS AND PER CLIENT INPUT.

**DISCLAIMERS:**

1. ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE. REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.  
2. ALTHOUGH RARE, EXCESSIVE DEFLECTION SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN SLIM LINE OR MONOPOLE STRUCTURES AT LOW WIND SPEEDS. BECAUSE THE PHENOMENON IS INFLUENCED BY MANY INTERACTING VARIABLES, MOVEMENT AND OSCILLATIONS ARE GENERALLY UNPREDICTABLE. THE TOWER OWNER MUST PERIODICALLY OBSERVE THE STRUCTURE FOR EXCESSIVE DEFLECTION AND ANY RESULTING STRUCTURAL DAMAGE OR BOLT LOOSENING. IN THE EVENT OF EXCESSIVE MOVEMENT, VECTOR STRUCTURAL ENGINEERS MUST BE NOTIFIED IMMEDIATELY. MODIFICATIONS TO THE STRUCTURE MAY BE REQUIRED AT THE OWNER'S EXPENSE. THE CHANGES MAY ALTER THE AESTHETIC APPEARANCE OF THE STRUCTURE.

**GENERAL**

1. THE TYPICAL NOTES SHALL APPLY FOR ALL CASES UNLESS OTHERWISE SPECIFICALLY DETAILED WITHIN THE DRAWINGS. SOME NOTES MAY NOT BE APPLICABLE IN PART OR IN WHOLE FOR EVERY PROJECT.
2. ANY ITEMS REFERENCED AS BEING ON "HOLD" ARE TO BE INCLUDED IN THE WORK AS SHOWN. HOWEVER, CONSTRUCTION OR FABRICATION IS NOT TO BEGIN UNTIL THE "HOLD" REFERENCE IS REMOVED.
3. DIMENSIONS CONTAINED WITHIN MUST BE FIELD VERIFIED AND CUSTOMER APPROVED PRIOR TO FABRICATION OF MATERIALS.
4. THE MODIFICATIONS DEPICTED IN THESE DRAWINGS ARE INTENDED TO PROVIDE STRUCTURAL SUPPORT FOR THE ADDITION OF THE ANTENNA SCREENING SYSTEMS OUTLINED WITHIN. THE EXISTING STRUCTURE OR BUILDING SHALL BE ANALYZED AND RETROFITTED AS REQUIRED, BY OTHERS, TO WITHSTAND THE LOADS IMPOSED BY THE NEW STEALTH® ENCLOSURE SHOWN ON THE DRAWINGS.
5. ANTENNA CONCEALMENT PRODUCTS SHALL BE INSTALLED BY A CONTRACTOR EXPERIENCED IN SIMILAR WORK. CARE SHALL BE TAKEN IN THE INSTALLATION OF ANY AND ALL MEMBERS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS AND PROCEDURES. ALL APPLICABLE OSHA SAFETY GUIDELINES ARE TO BE FOLLOWED. STEALTH® IS NOT PROVIDING FIELD INSTALLATION SUPERVISION.
6. THESE DRAWINGS INDICATE THE MAJOR OPERATIONS TO BE PERFORMED, BUT DO NOT SHOW EVERY FIELD CONDITION THAT MAY BE ENCOUNTERED. THEREFORE, PRIOR TO BEGINNING OF WORK THE CONTRACTOR SHOULD SURVEY THE JOB SITE THOROUGHLY TO MINIMIZE FIELD PROBLEMS.
7. PROTECTION OF EXISTING STRUCTURES DURING THE COURSE OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
8. THE STRUCTURAL INTEGRITY OF THIS STRUCTURE IS DESIGNED TO BE ATTAINED IN ITS COMPLETED STATE. WHILE UNDER CONSTRUCTION ANY TEMPORARY BRACING OR SHORING WHICH MAY BE REQUIRED TO MAINTAIN STABILITY PRIOR TO COMPLETION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
9. THE PLANS AND DETAILS WITHIN DO NOT INCLUDE DETAILS OR DESIGN FOR DRAINAGE FROM OR WATERPROOFING OF EXTERIOR OR INTERIOR SURFACES OF THE EXISTING BUILDING OR STRUCTURE. THESE DETAILS MUST BE COMPLETED BY OTHERS.
10. CONTRACTOR TO SHIM BASEPLATE AS REQUIRED TO ENSURE LEVEL SURFACE.

**SPECIAL INSPECTIONS & STRUCTURAL OBSERVATION:**

1. STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED AS REQUIRED BY THE BUILDING CODE TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
2. NO FIELD WELDING SHALL BE PERMITTED.
3. THE FOLLOWING SPECIAL INSPECTIONS (WHERE APPLICABLE) SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE.
  - PERIODIC SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING
4. SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.
5. NO STRUCTURAL OBSERVATION IS REQUIRED.

**MATERIAL NOTES:**

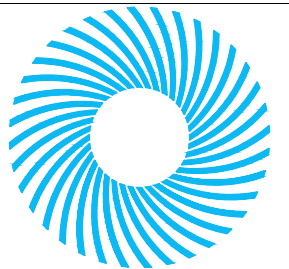
1. ALL STEEL PIPES SHALL CONFORM w/ ASTM A500 GR. B (42 KSI MIN. YIELD STRENGTH).
2. ALL OTHER STRUCTURAL STEEL SHAPES & PLATES SHALL CONFORM TO ASTM A36, U.N.O.
3. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES OF THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS PER AWS D1.1 FOR STEEL AND AWS D1.2 FOR ALUMINUM. ALL WELDING SHALL BE PREFORMED IN A SHOP APPROVED BY THE BUILDING OFFICIAL. STEEL WELDS SHALL BE BY E70XX LOW HYDROGEN ELECTRODES.
4. ALL STEEL SURFACES TO BE THOROUGHLY COATED WITH A ZINC-RICH PRIMER OR EQUIVALENT COATING, U.N.O.
5. ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM TO ASTM F3125 GRADE A325 SPECIFICATIONS, U.N.O. A325N AND A325X ALLOWED.
6. ALL BOLTS SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM F2329 SPECIFICATIONS.
7. ALL BOLTED CONNECTIONS SHALL BE TIGHTENED PER THE "TURN-OF-NUT" METHOD AS DEFINED BY AISC.

**STEALTHSKIN PANELS**

1. FASTENER HOLES IN STEALTHSKIN FOAM COMPOSITE PANELS ARE NOT FACTORY DRILLED AND MUST BE DRILLED IN THE FIELD.
2. PANEL FASTENERS TO BE SPACED 12" O.C. MAX. AND LOCATED 6" MAX. HORIZONTALLY FROM EACH EDGE AT TOP AND BOTTOM OF PANEL, UNLESS NOTED OTHERWISE. MAINTAIN 1 1/2" MIN. EDGE DISTANCE FROM ALL EDGES. 4' WIDE PANELS REQUIRE (4) FASTENERS TOP AND BOTTOM. 5' WIDE PANELS REQUIRE (5) FASTENERS TOP AND BOTTOM.
3. WHEN FASTENER BOLT HEAD OR NUT BEARS DIRECTLY ON SURFACE OF STEALTHSKIN PANEL, TIGHTEN PANEL BOLTS ONLY 1/2 TURN PAST SNUG. APPLY THREAD LOCK COMPOUND TO THE THREADS OF METAL BOLTS. USE THIN BEAD OF EPOXY TO LOCK THE NUTS OF FRP BOLTS AND STEALTH® STAINLESS STEEL PANEL BOLTS. USE WASHER OR FLANGED HEAD BOLT, OR FASTENER WITH LARGE BEARING SURFACE.
4. PANELS WILL EXPAND AND CONTRACT DUE TO TEMPERATURE. WHEN INSTALLING PANELS IN COLD TEMPERATURES, EVENLY SPACE PANELS ALONG LENGTH OF SCREEN WALL WITH EQUAL GAPS BETWEEN PANELS TO ALLOW FOR EXPANSION DURING WARM TEMPERATURES.
5. ADJACENT FLAT PANELS ARE JOINED BY A VERTICAL FOAM SPLINE THAT IS INSERTED INTO GROOVES CUT INTO THE SIDE OF EACH PANEL. DO NOT LIFT PANELS BY GROOVES. PANELS MUST BE LIFTED WITH FORCE DIRECTED ONTO PANEL SURFACE.
6. ADJACENT RADIUS PANELS ARE JOINED BY A VERTICAL H-CHANNEL. INSERT PANELS INTO EACH SIDE OF H-CHANNEL.
7. RADIUS PANELS MUST BE EVENLY SPACED ALONG RADIUS SUPPORT. CONTRACTOR TO MEASURE LENGTH OF RADIUS SUPPORT AND DIVIDE BY THE NUMBER OF RADIUS PANELS TO DETERMINE PROPER SPACING. H-CHANNEL CONNECTORS ARE USED TO COVER THE GAP BETWEEN PANELS AND TO ALLOW FOR PANEL EXPANSION AND CONTRACTION.
8. SURFACES OF PANELS SHALL BE COATED WITH SUITABLE PAINT FOR UV PROTECTION. TOP EDGE OF PANEL MUST BE COVERED TO PREVENT WATER TRAVEL BETWEEN PANELS. USE SHERWIN WILLIAMS "COROTHANE II" OR PRE APPROVED EQUIVALENT.
9. EXPOSED TOP AND SIDE FOAM EDGES OF PANELS MUST BE COVERED OR COATED FOR UV PROTECTION. STEALTH® WILL PROVIDE PANEL EDGE CAPS (VERTICAL AND HORIZONTAL) TO BE FIELD APPLIED FOR THIS PURPOSE FOR MOST APPLICATIONS. HORIZONTAL AND VERTICAL PANEL EDGE CAPS TO BE SECURED TO THE EXPOSED EDGES OF THE PANELS WITH PROVIDED TEK SCREWS INSTALLED @ 12" MAXIMUM SPACING ON THE INSIDE FACE OF THE PANEL. IN RF SENSITIVE LOCATIONS, CONTRACTOR WILL APPLY (2) BEADS OF ADHESIVE TO EACH INSIDE CORNER OF THE EDGE CAP AND SECURE CAP TO PANEL WITH TAPE WHILE ADHESIVE CURES.
10. AT CORNER APPLICATIONS, VERTICAL PANEL EDGE CAPS ARE TO BE USED TO CAP BOTH EXPOSED EDGES (1 PER CUT EDGE OF PANELS). THESE EDGE CAPS ARE TO BE CUT 1" SHORTER THAN THE PANEL AND LEAVE 1" GAP AT THE TOP TO ALLOW ROOM FOR THE THE HORIZONTAL PANEL EDGE CAP AT THE TOP. CONTRACTOR TO APPLY (2) BEADS OF ADHESIVE TO EACH EDGE CAP (INSIDE CORNERS OF CAP), AND SECURE WITH TAPE AND/OR PROVIDED SCREWS (16 TOTAL PER CORNER) WHILE THE ADHESIVE CURES. IF CORNERS ARE IN NON-RF AREAS, EDGE CAP SCREWS CAN BE LEFT IN PLACE.
11. AT CORNER APPLICATIONS WITH SSV PANEL ONLY, CORNER CHANNELS ARE TO BE USED TO JOIN PANELS TOGETHER. BOTH ADJOINING PANELS WILL BE INSTERTED INTO THE CORNER CHANNEL AND SECURED USING PROVIDED NYLON PUSHPIINS. THE PUSHPIINS ARE TO BE PLACED ON THE INSIDE OF ONE OF THE PANELS ONLY @ 12" MAXIMUM SPACING.

**COAX NOTE:**

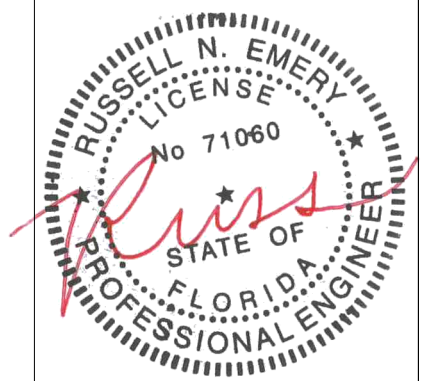
ROUTING THE LARGE QUANTITY OF COAX CABLES THROUGH THE CONCEALMENT BULKHEADS IS POSSIBLE (WHEN LAID OUT ON PAPER), BUT WILL BE VERY DIFFICULT IN REAL WORLD FIELD CONDITIONS. WHILE THE CABLES MAY PHYSICALLY FIT THROUGH THE BASE FLANGE ON TOP OF THE MONOPOLE AND THE SUBSEQUENT STEEL BULKHEADS ABOVE, ROUTING THEM PAST THE ANTENNAS IS UNPREDICTABLE, DEPENDING ON THE ANTENNA MOUNTING HARDWARE EMPLOYED, COAX CONNECTOR TYPE(S) USED, COAX ROUTING, AND RELATIVE AZIMUTH DIRECTIONS OF THE ANTENNAS IN THE POLE. STEALTH® CAN NOT GUARANTEE THAT ALL OF THE COAX CAN BE ROUTED WITHOUT INTERFERENCE TO SOME OR ALL ANTENNAS. IT IS HIGHLY RECOMMENDED THAT THE INSTALLER MOCK UP THE COAX RUNS WITHIN THE CONCEALMENT AND DEVELOP A COAX ROUTING PLAN PRIOR TO INSTALLATION.



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WWW.STEALTHCONCEALMENT.COM

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09/17/2018

DRAWING NOT TO SCALE. UNLESS SPECIFIED OTHERWISE DIMENSIONS SHOWN ARE IN INCHES  
TOLERANCES  
DECIMALS X ± 1/16"  
.XXX ± 0.01" ANGULAR X ± 0.5°

NOTES & SPECIFICATIONS

RG TOWERS  
FT. PIERCE ORANGE AVE  
TOP SECTION  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

N1

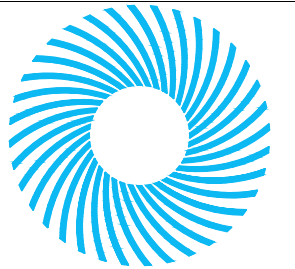
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9/17/18

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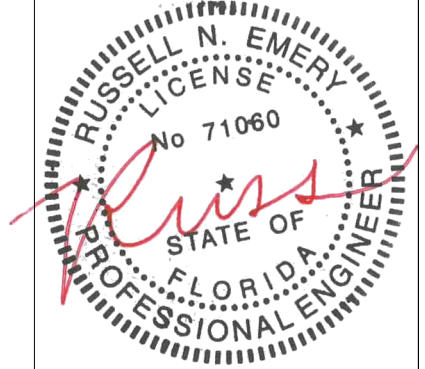




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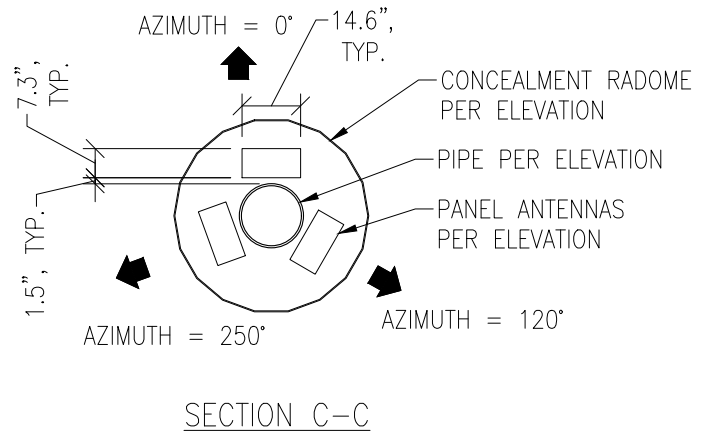
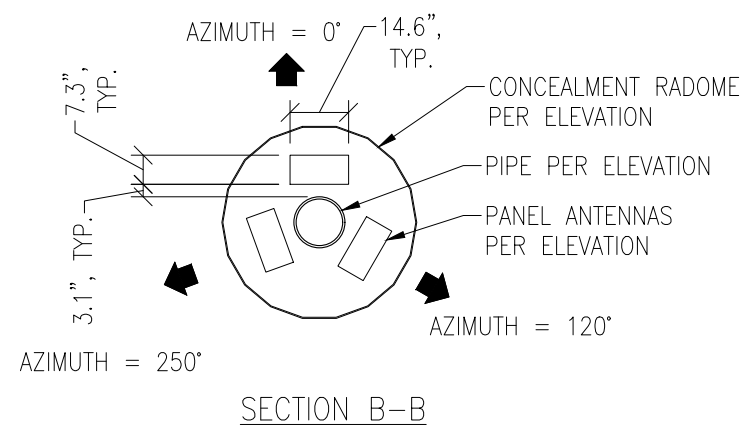
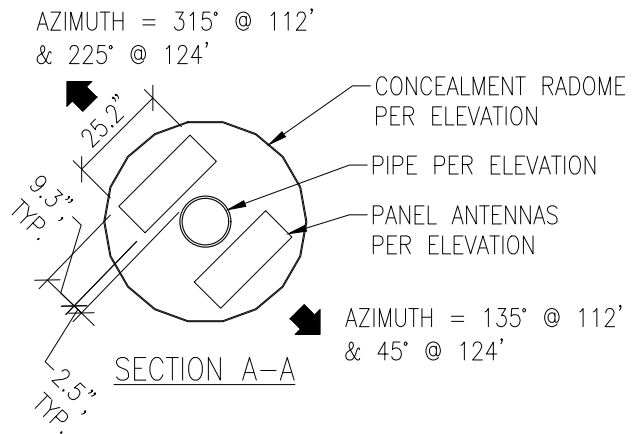
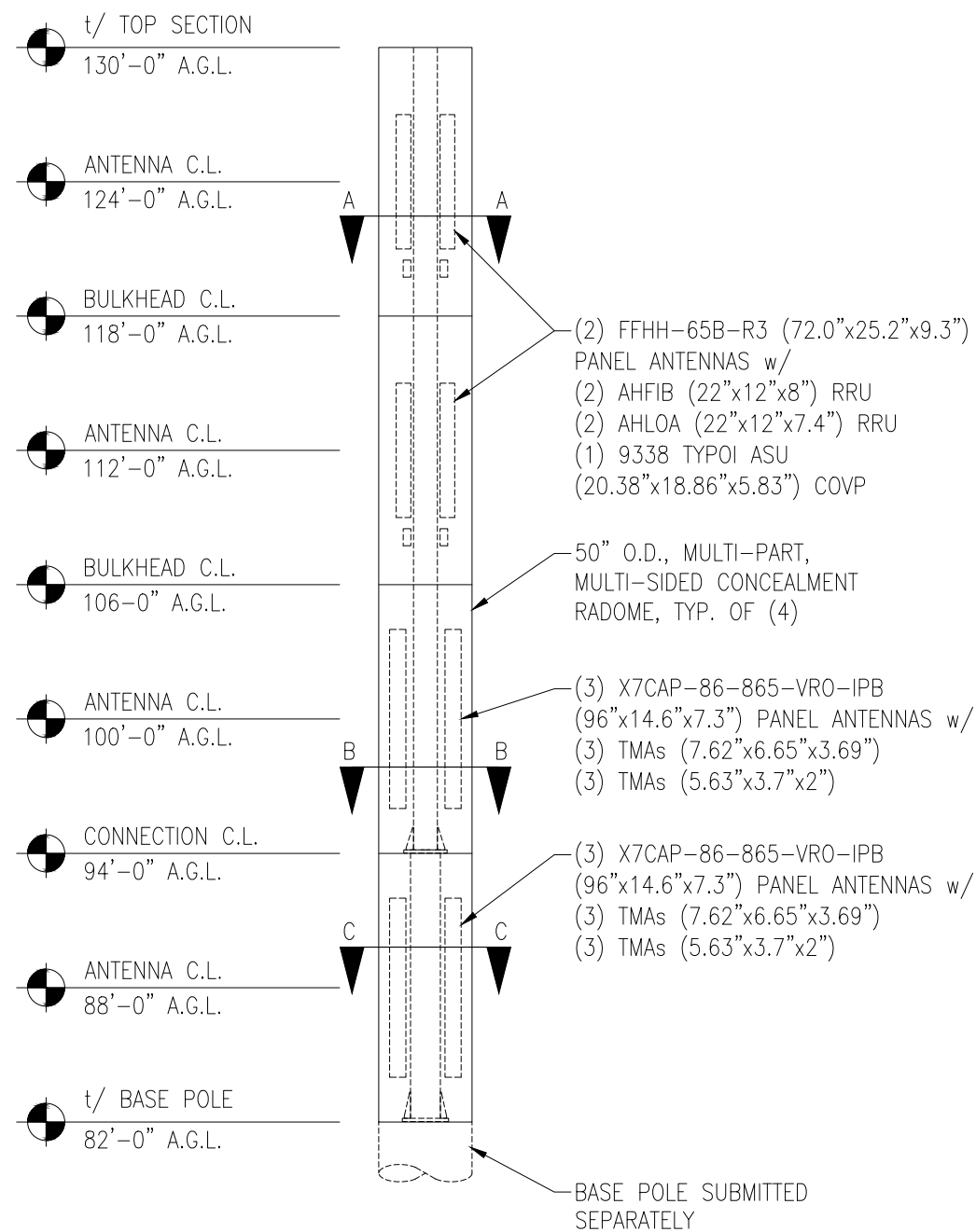
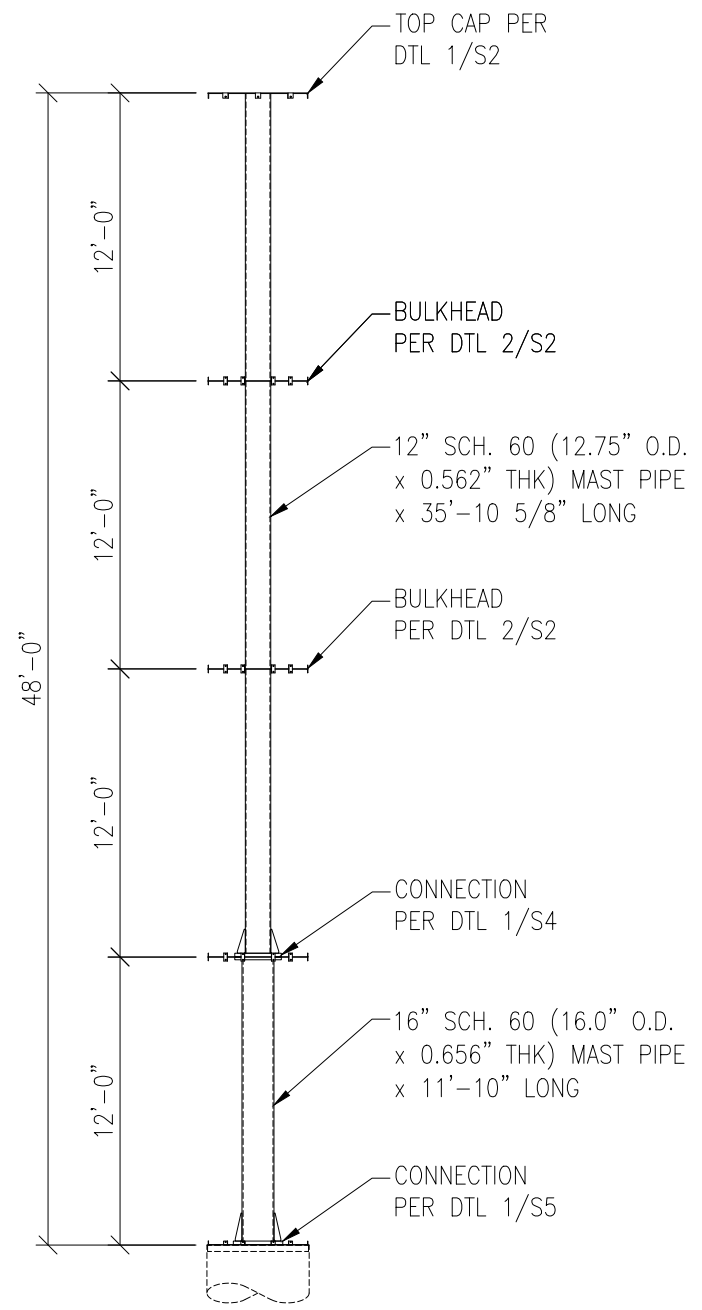
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TOLERANCES  
DECIMALS X ± 1/16"  
.XXX ± 0.01"  
ANGULAR X ± 0.5°

**ELEVATIONS**  
RG TOWERS  
FT. PIERCE ORANGE AVE  
TOP SECTION  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

**S1**  
9/17/18  
REVISION  
**0**

NOTE: POLE DESIGNED  
FOR 0'-0" FALL ZONE

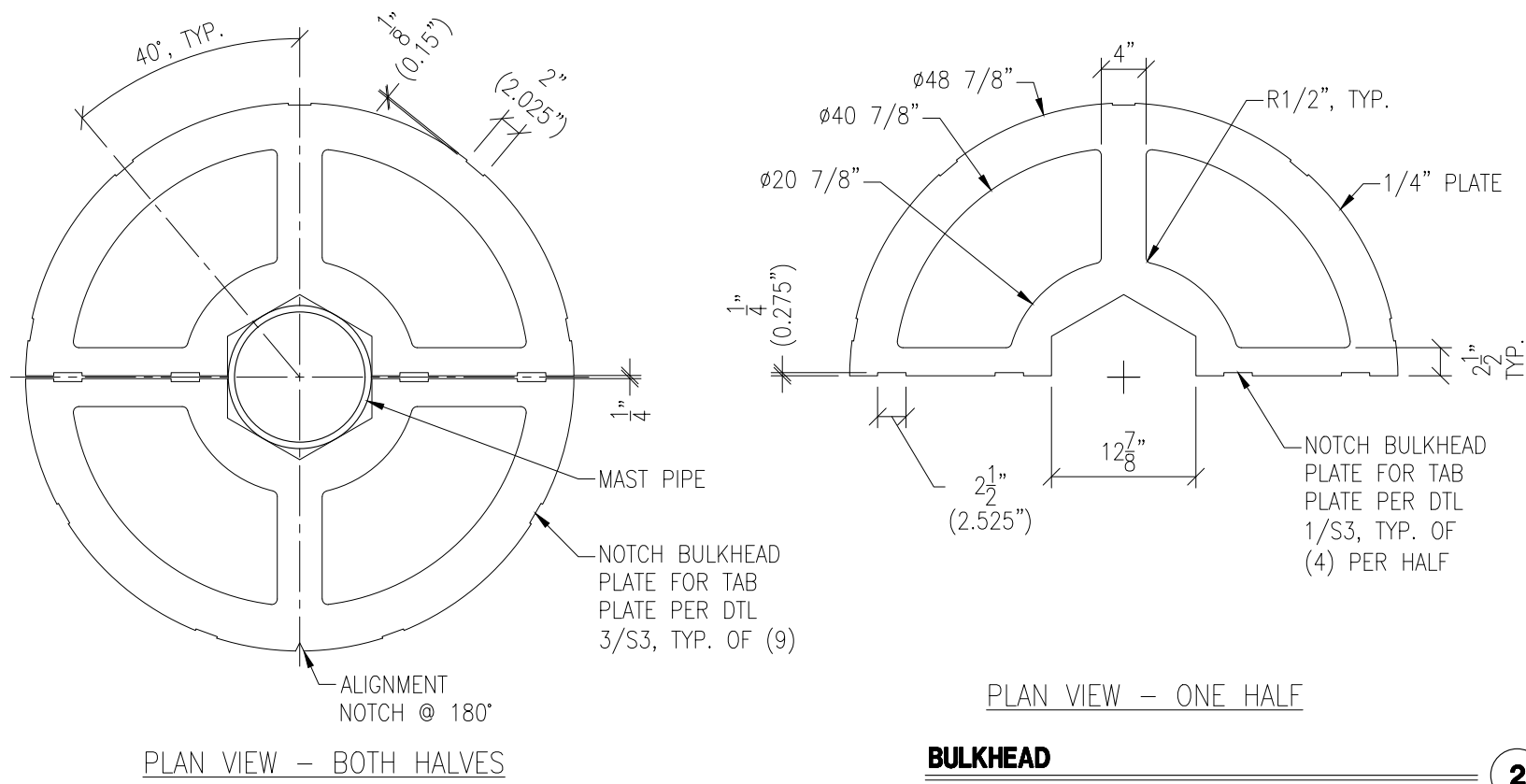


**VECTOR ENGINEERS**  
651 W. GALENA PARK BLVD., SUITE 101  
DRAPER, UT 84020  
P: (801) 990-1775 F: (801) 990-1776  
VECTOR PROJECT: U0142-705-181  
FL FIRM LICENSE NUMBER: COA 26626

**ELEVATION VIEWS**

N.T.S.

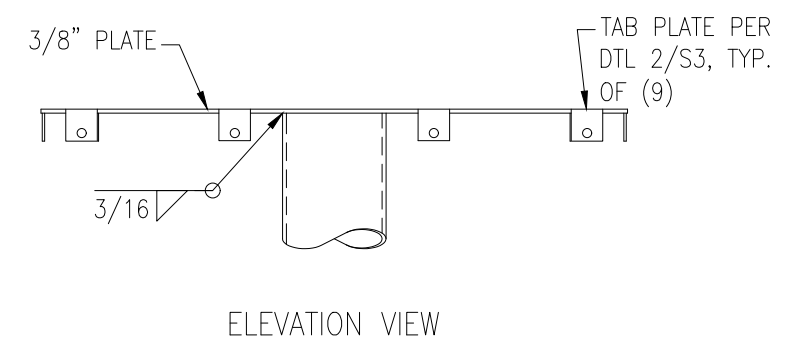
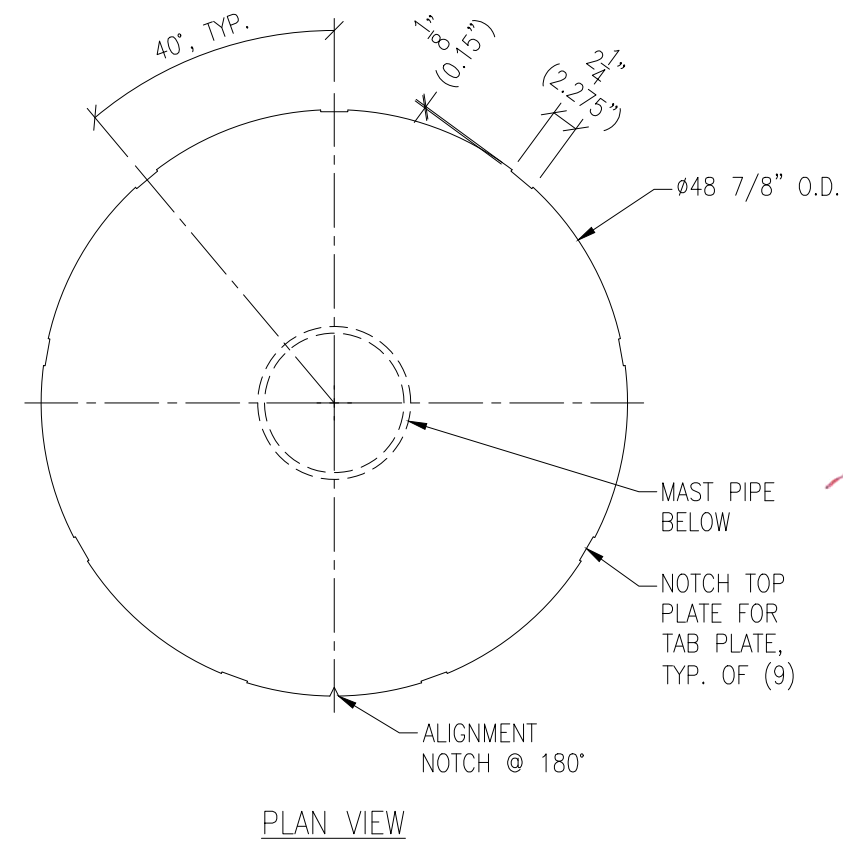
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**BULKHEAD**

N.T.S.

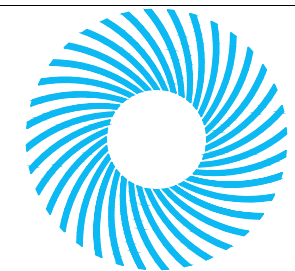
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**TOP PLATE**

N.T.S.

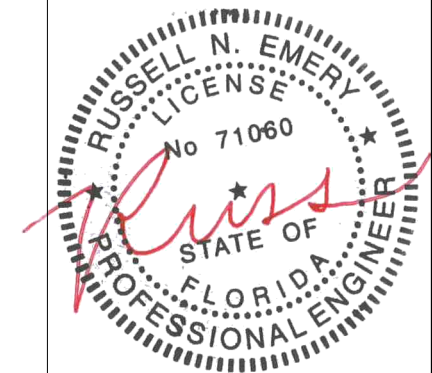
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TOLERANCES	
DECIMALS	ANGULAR
X ± 1/16"	X ± 0.5°
.XXX ± 0.01"	

**DETAILS**

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REVISED:

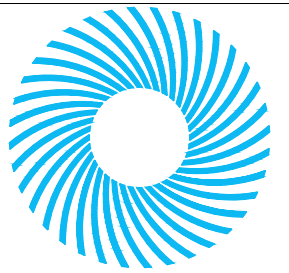
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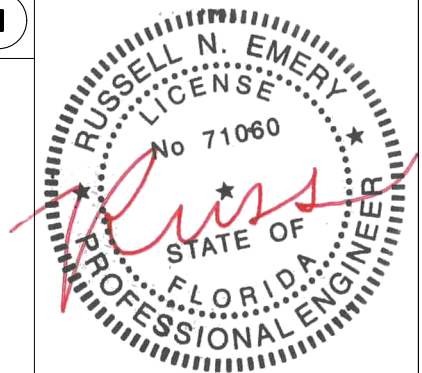




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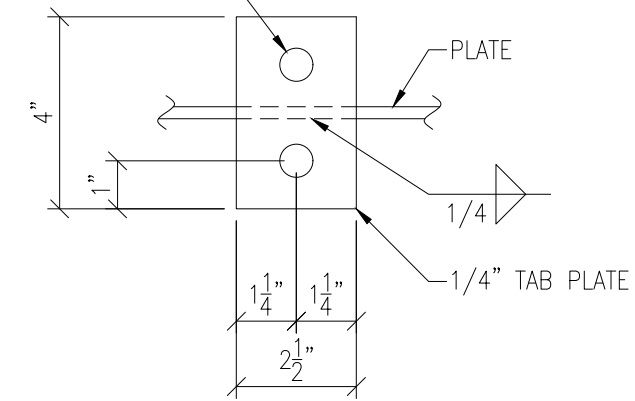
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DESIGNED: DJF-VSE  
REVISED:

**S3**

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REVISION  
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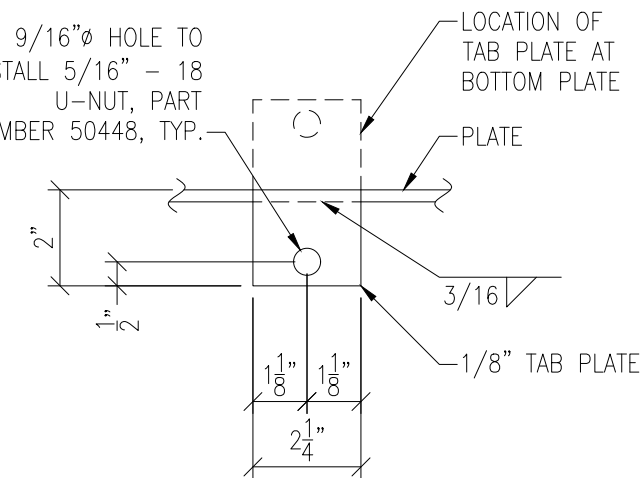
11/16"Ø HOLE TO  
INSTALL 5/8"Ø  
A325N BOLT, TYP.



N.T.S.

**1**

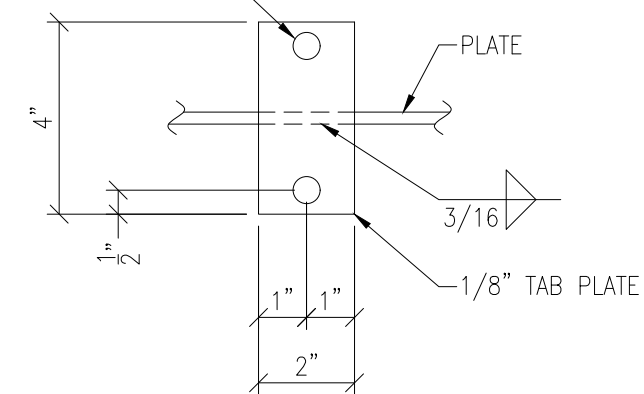
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U-NUT, PART  
NUMBER 50448, TYP.



N.T.S.

**2**

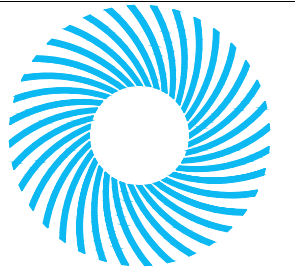
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N.T.S.

**3**

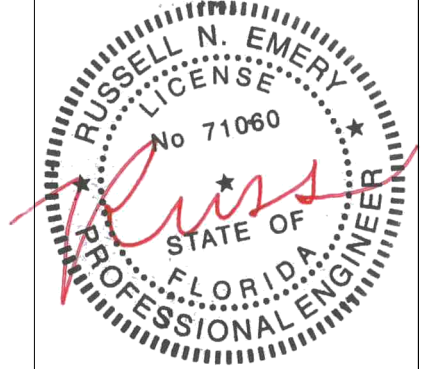
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DETAILS

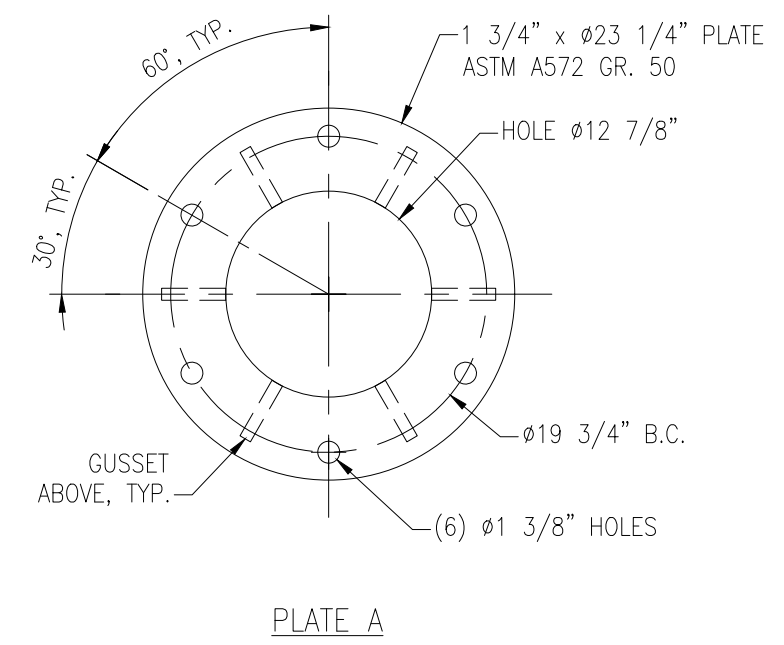
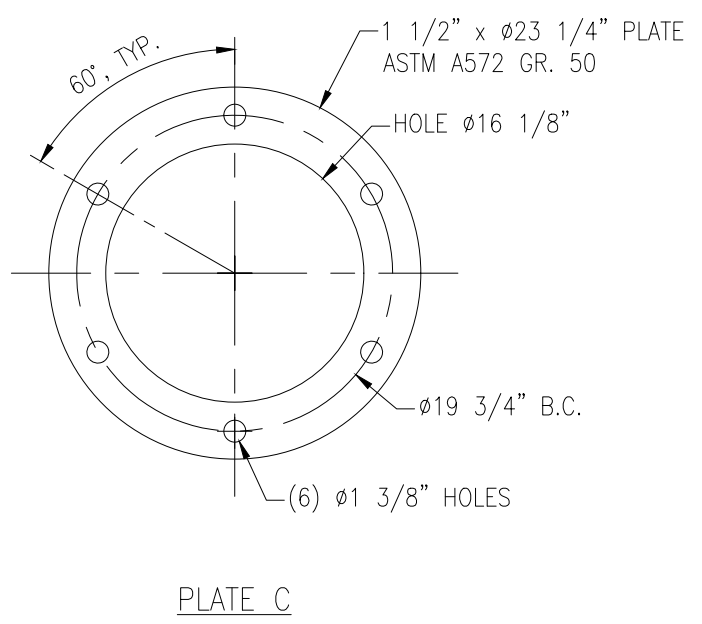
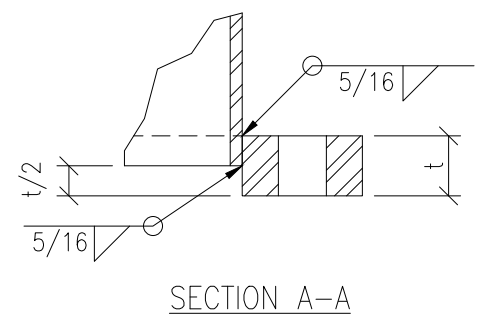
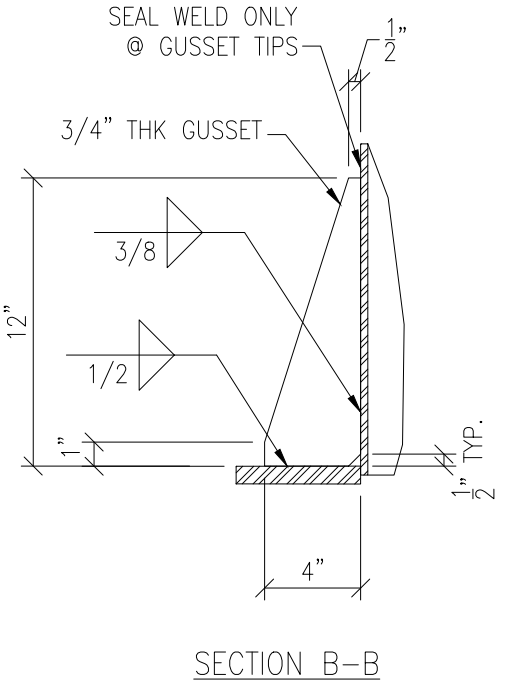
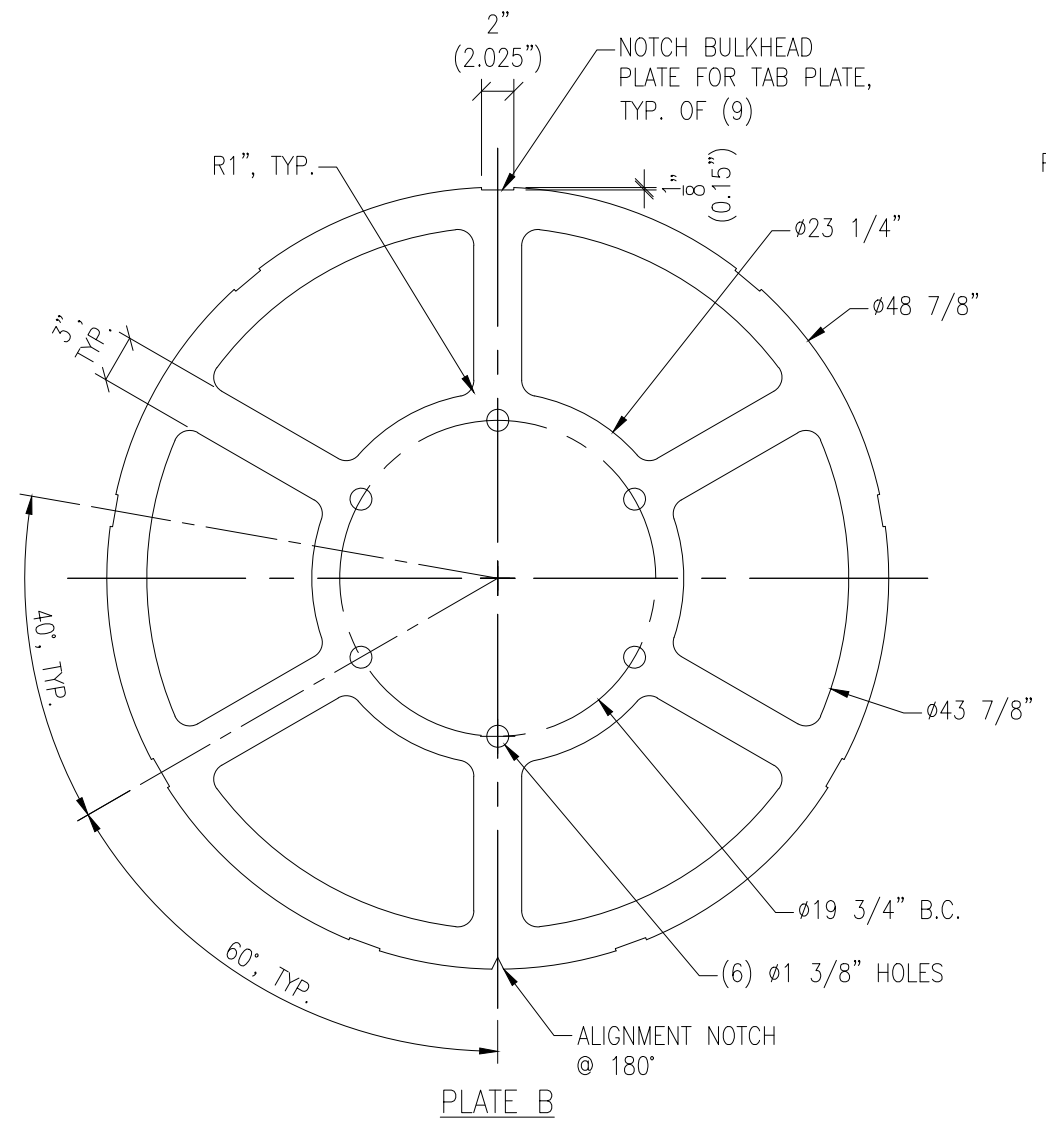
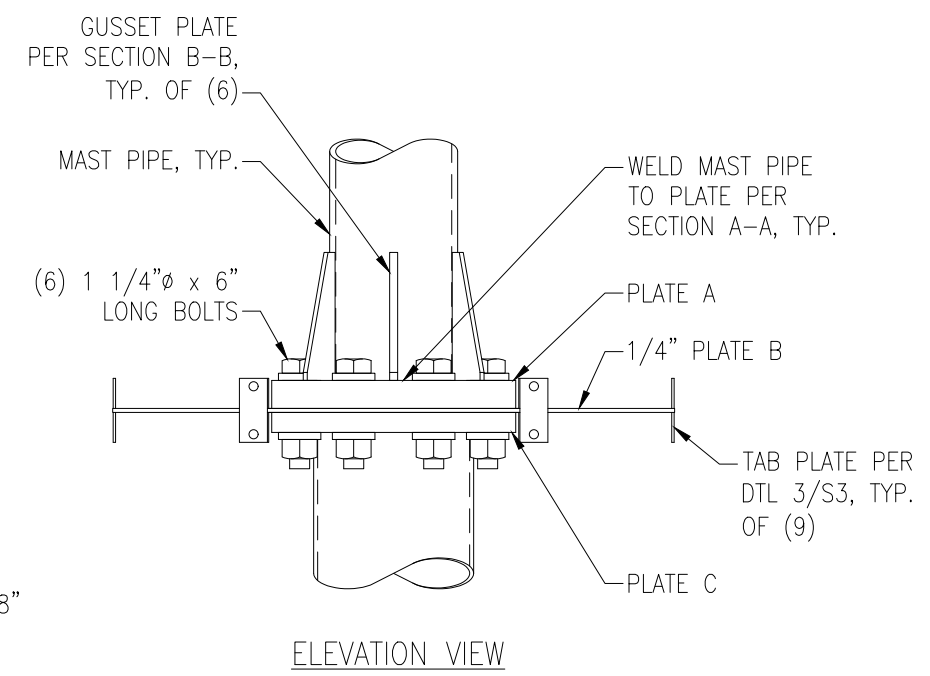
RG TOWERS  
FT. PIERCE ORANGE AVE  
TOP SECTION  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

**S4**

9/17/18

REVISION  
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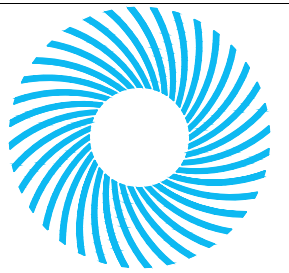


**VECTOR**  
ENGINEERS

651 W. GALENA PARK BLVD., SUITE 101  
DRAPER, UT 84020  
P: (801) 990-1775 F: (801) 990-1776  
VECTOR PROJECT: U0142-705-181  
FL FIRM LICENSE NUMBER: COA 26626

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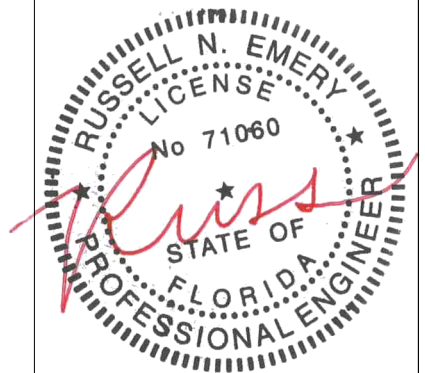
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3034-A ASHLEY PHOSPHATE RD.  
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P: (800)-755-0689 F: (843)-207-0207  
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09/17/2018

DRAWING NOT TO SCALE. UNLESS SPECIFIED  
OTHERWISE DIMENSIONS SHOWN ARE IN INCHES

TOLERANCES	
DECIMALS	ANGULAR
X ± 1/16"	X ± 0.5°
.XXX ± 0.01"	

DETAILS

RG TOWERS  
FT. PIERCE ORANGE AVE  
TOP SECTION  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1

DRAWN: LSB-VSE

DESIGNED: DJF-VSE

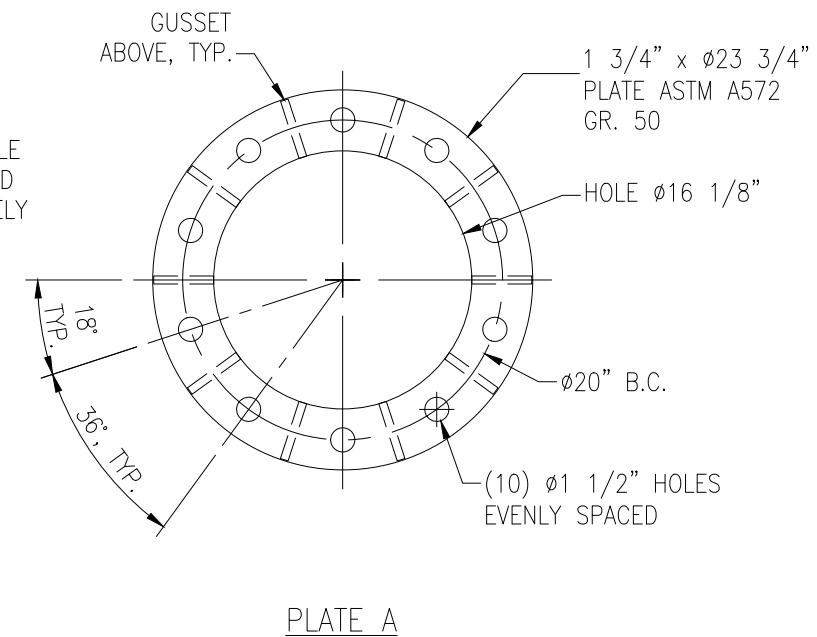
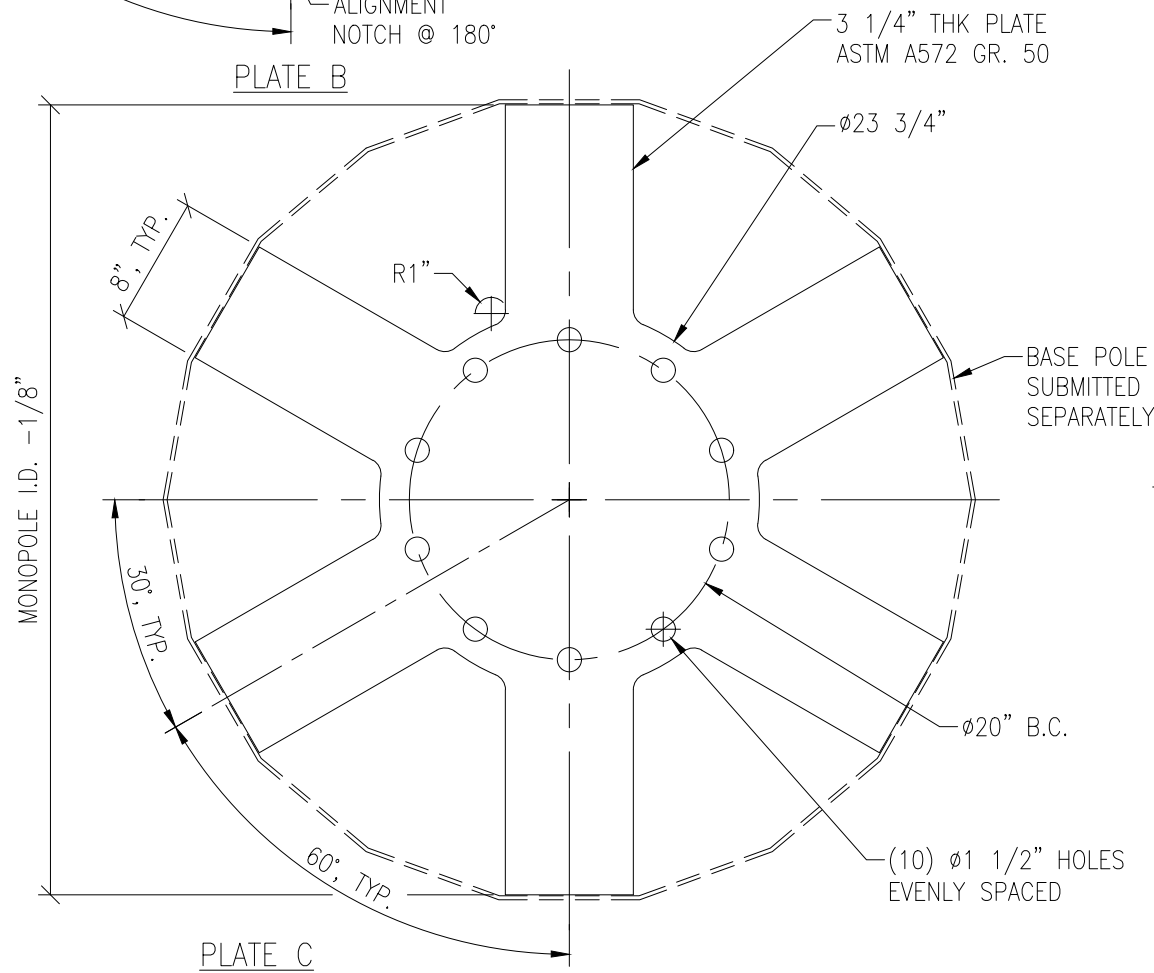
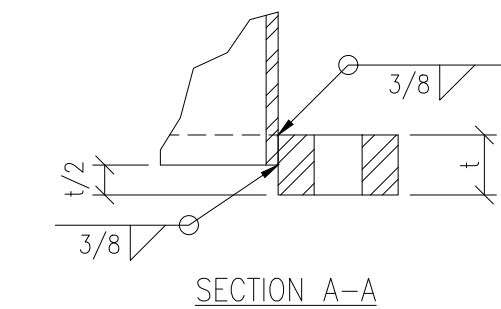
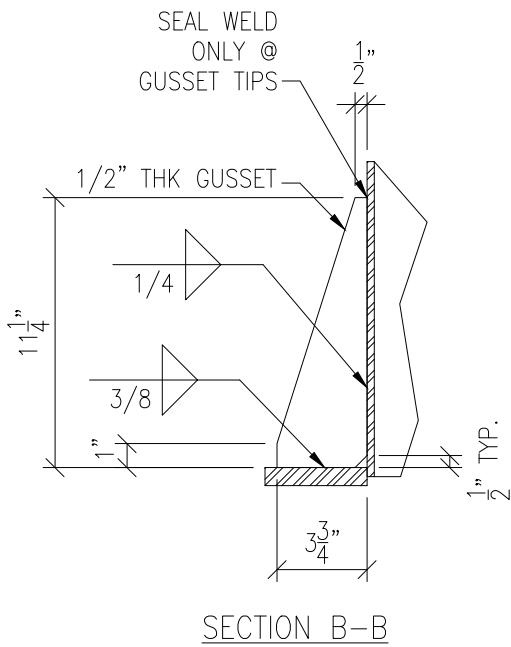
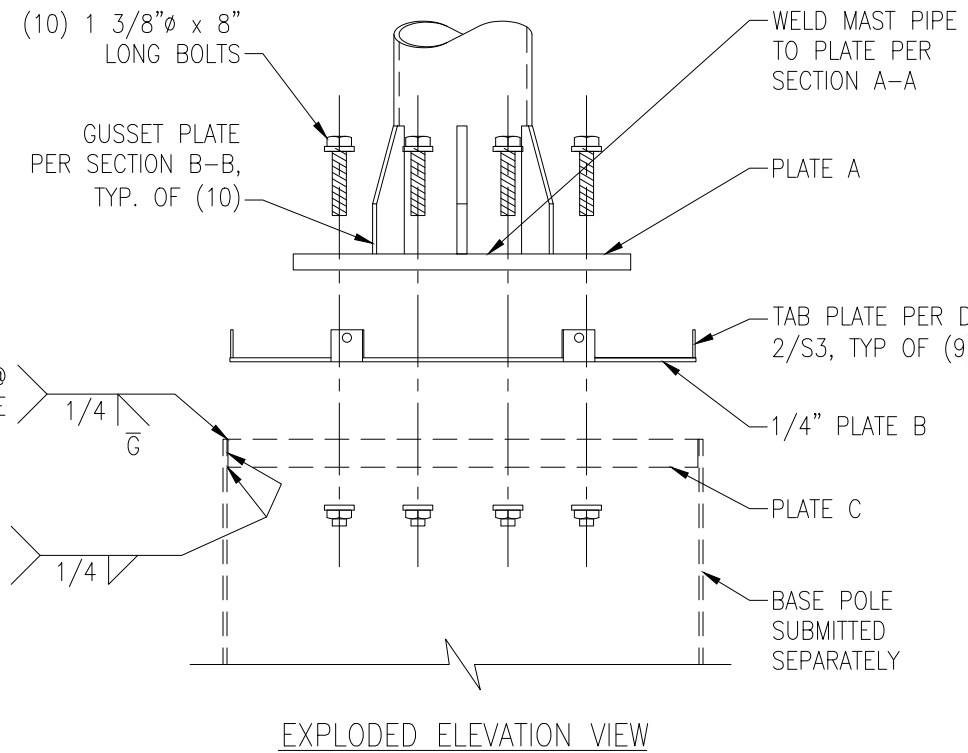
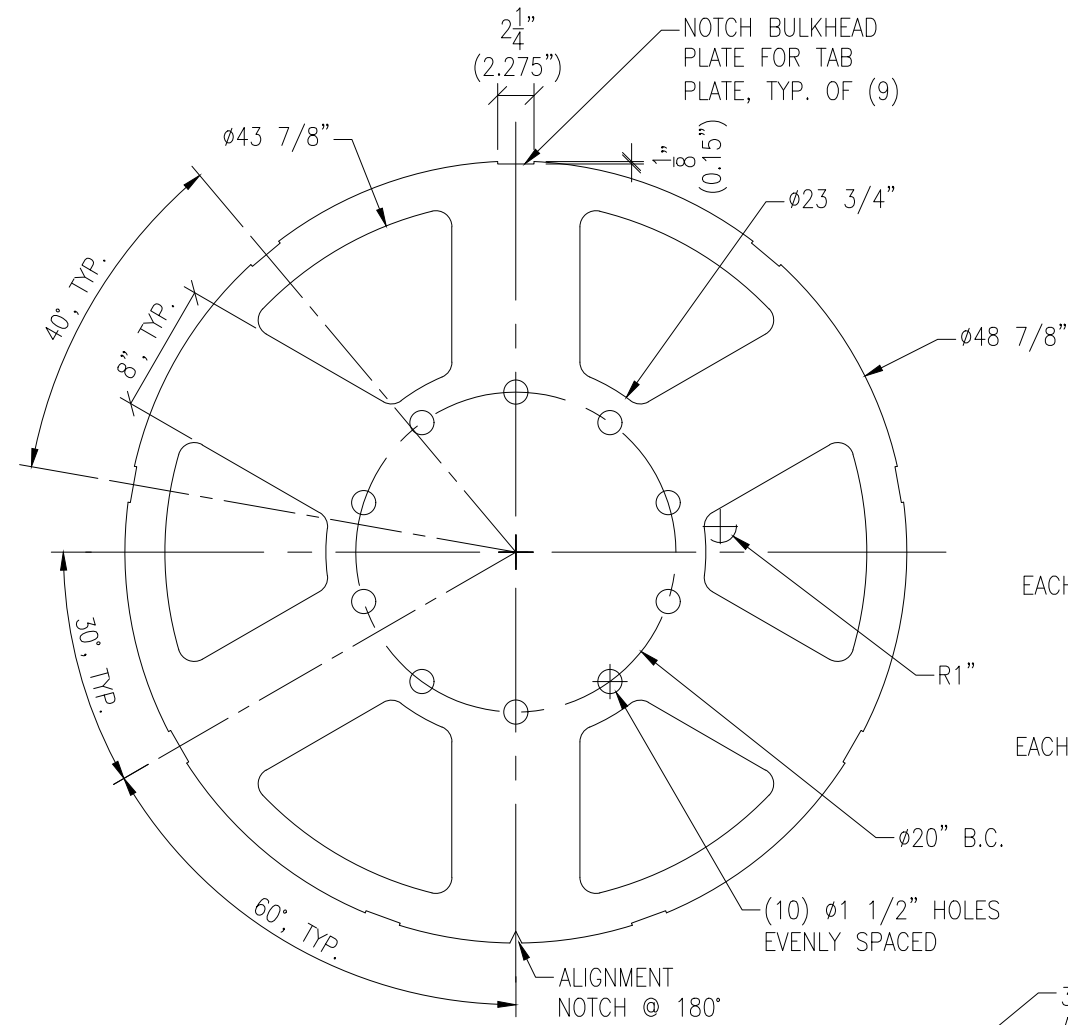
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**S5**

9/17/18

REVISION

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VECTOR PROJECT: U0142-705-181  
FL FIRM LICENSE NUMBER: COA 26626

N.T.S.

**1**



**STRUCTURAL CALCULATIONS**  
for  
**FT. PIERCE ORANGE AVE**  
**82'-0" TALL BASE POLE**  
at  
**2006 ORANGE AVENUE**  
**FT. PIERCE, FL 34950**  
for  
**RG TOWERS**  
&  
**STEALTH® CONCEALMENT SOLUTIONS (RG18-01105W-05R1)**



**BY:** RUSSELL N. EMERY, P.E.  
PROJECT ENGINEER

**FL Firm License Number: COA 26626**

**PROJECT #:** U0142-705-181

**DATE:** September 13, 2018

**DESIGNED BY DJF; CHECKED BY RNE**

**NOTE:**

The calculations presented in this package are intended for a single use at the location indicated above, for the client listed above. These calculations shall not be reproduced, reused, "card filed", sold to a third party, or altered in any way without the written authorization of Vector Structural Engineering, LLC and STEALTH® Concealment Solutions.



JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

---

### **Design Criteria:**

*Code:* Structural design is based on the Florida Building Code, 2017 Edition (2015 IBC)

*Wind:* Basic wind speed = 159 mph (3-second gust) per the ASCE 7-10 standard  
Risk category / Structure class: II  
Wind exposure: C  
Topographic category: 1  
Crest height: 0 ft

*Ice:* None per the TIA-222-G standard

### **General Notes:**

- 1 The contractor shall verify dimensions, conditions and elevations before starting work. The engineer shall be notified immediately if any discrepancies are found.
- 2 The typical notes and details shall apply in all cases unless specifically detailed elsewhere. Where no detail is shown, the construction shall be as shown for other similar work and as required by the building code.
- 3 These calculations are limited to the structural members shown in these calculations only.
- 4 The contractor shall be responsible for compliance with local construction safety orders. Approval of shop drawings by the architect or structural engineer shall not be construed as accepting this responsibility.
- 5 All structural framing members shall be adequately shored and braced during erection and until full lateral and vertical support is provided by adjoining members.

### **Structural Steel:**

- 1 All structural steel code checks based on the AISC-LRFD, 3rd Edition per the TIA-222-G standard
- 2 All 18-sided, tapered shaft steel to be per ASTM A572 GR. 65, U.N.O.
- 3 The design length of slip splices is equal to 1.67 times the inside width of the base of the upper section. Slip splice length tolerance is equal to  $\pm 10\%$  of the design slip splice length.
- 4 All other structural steel shapes & plates shall be per ASTM A36, U.N.O.
- 5 All anchor bolts shall be per ASTM A615 GR. 75, U.N.O.
- 6 All bolts for steel-to-steel connections shall be per ASTM F3125 GR. A325 U.N.O.
- 7 All bolted connections shall be tightened per the "turn-of-nut" method as defined by AISC.
- 8 All welding shall be performed by certified welders in accordance with the latest edition of the American Welding Society (AWS) D1.1
- 9 All steel surfaces shall be galvanized in accordance with ASTM A123 and ASTM F2329 standards, thoroughly coated with a zinc-rich primer, or otherwise protected as noted on the structural drawings.



JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

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**Foundation / Concrete:**

- 1 All concrete mixing, placement, forming, and reinforcing installation shall be performed in accordance with the requirements of "Building Code Requirements for Reinforced Concrete", ACI 318-14. Foundation installation shall be in accordance with the requirements of "Standard Specifications for the Construction of Drilled Piers", ACI 336, latest edition
- 2 All concrete shall have a minimum compressive strength of 4000 psi at 28 days.
- 3 Cement for all concrete shall be Type II with 6% (+/- 1.5%) entrained air. Maximum aggregate size shall be  $\frac{3}{4}$ ".
- 4 Reinforcing steel shall be per ASTM A615 Gr. 60, U.N.O.
- 5 Foundation design is based upon the project soils report prepared by:

Geotech: Environmental Corporation of America  
Report No: T4300  
Date: 22-Aug-18



JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

**User Forces**

Ice Thickness[in]:	0.00
Ice Density [pcf]:	56
Cylinder Shape:	18-Sided
Shape Factor:	0.65 (supercritical)
	1.20 (subcritical)

Elev. @ Top of Base Pole [ft]:	82.0
Elev. @ Bottom of Base Pole [ft]:	1.0

Cylinder	Length [ft]	Diameter [in]		Plates	Weight [lb]		CaAc [ft <sup>2</sup> ]	
		No Ice	w/ Ice		No Ice	w/ Ice	No Ice	w/ Ice
				Top Plate	370	370	16.5	30.5
1	12.0	50	50.00					
				Bulkhead	520	520	33.0	60.9
2	12.0	50	50.00					
				Bulkhead	520	520	33.0	60.9
3	12.0	50	50.00					
				Bulkhead	520	520	33.0	60.9
4	12.0	50	50.00					
				Bottom Plate	370	370	16.5	30.5
					0	0	0.0	0.0
					0	0	0.0	0.0
					0	0	0.0	0.0
					0	0	0.0	0.0
					0	0	0.0	0.0



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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

## Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-G standard.

The following design criteria apply:

ASCE 7-10 Wind Data is used.

Basic wind speed of 159 mph.

Risk Category II.

Exposure Category C.

Topographic Category 1.

Crest Height 0.00 ft.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	82.00-46.00	36.00	7.58	18	50.0000	55.0400	0.3125	1.2500	A572-65 (65 ksi)
L2	46.00-1.00	52.58		18	53.3538	60.7150	0.3125	1.2500	A572-65 (65 ksi)

## Tapered Pole Properties

Section	Tip Dia. in	Area in <sup>2</sup>	I in <sup>4</sup>	r in	C in	I/C in <sup>3</sup>	J in <sup>4</sup>	It/Q in <sup>2</sup>	w in	w/t
L1	50.7231	49.2838	15372.1931	17.6391	25.4000	605.2045	30764.6134	24.6466	8.2500	26.4
L2	55.8409	54.2828	20540.5100	19.4283	27.9603	734.6307	41108.0478	27.1466	9.1370	29.239
	61.6034	59.9117	27615.8959	21.4429	30.8432	895.3636	55268.1294	29.9616	10.1358	32.435

Tower Elevation ft	Gusset Area ft <sup>2</sup> (per face)	Gusset Thickness in	Gusset Grade	Adjust. Factor A <sub>f</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 82.00-46.00				1	1	1			
L2 46.00-1.00				1	1	1			

## Feed Line/Linear Appurtenances - Entered As Area

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Description	Face or Leg	Allow Shield	Component Type	Placement ft	Total		C <sub>A</sub> A <sub>A</sub> ft <sup>2</sup> /ft	Weight plf
					Number	No Ice		
1 5/8 Coax	C	No	Inside Pole	82.00 - 1.00	12	No Ice	0.00	0.72
1 5/8 Coax	C	No	Inside Pole	82.00 - 1.00	12	No Ice	0.00	0.72
1 5/8 Coax	C	No	Inside Pole	82.00 - 1.00	12	No Ice	0.00	0.72
1 5/8 Coax	C	No	Inside Pole	82.00 - 1.00	12	No Ice	0.00	0.72

### Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A <sub>R</sub>	A <sub>F</sub>	C <sub>A</sub> A <sub>A</sub> In Face	C <sub>A</sub> A <sub>A</sub> Out Face	Weight lb
			ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	
L1	82.00-46.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1244.16
L2	46.00-1.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1555.20

### Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice

### User Defined Loads

Description	Elevation ft	Offset From Centroid ft	Azimuth Angle °	Weight lb	F <sub>x</sub> lb	F <sub>z</sub> lb	Wind Force lb	C <sub>A</sub> A <sub>C</sub>	
								ft <sup>2</sup>	
Top Plate	130.00	0.00	0.0000	No Ice	370.00	0.00	0.00	1492.54	16.50
				Service	370.00	0.00	0.00	190.16	16.50
Bulkhead	118.00	0.00	0.0000	No Ice	520.00	0.00	0.00	2924.83	33.00
				Service	520.00	0.00	0.00	372.65	33.00
Bulkhead	106.00	0.00	0.0000	No Ice	520.00	0.00	0.00	2859.53	33.00
				Service	520.00	0.00	0.00	364.33	33.00
Bulkhead	94.00	0.00	0.0000	No Ice	520.00	0.00	0.00	2788.11	33.00
				Service	520.00	0.00	0.00	355.23	33.00
Bottom Plate	82.00	0.00	0.0000	No Ice	370.00	0.00	0.00	1354.54	16.50
				Service	370.00	0.00	0.00	172.58	16.50
Coax & Mast	82.00	0.00	0.0000	No Ice	10000.00	0.00	0.00	0.00	0.00
				Service	10000.00	0.00	0.00	0.00	0.00

### Discrete Tower Loads

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C <sub>AA</sub> Front	C <sub>AA</sub> Side	Weight	
			Horz	Vert						
			ft	ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	lb	
(3) Generic Panel 105# (enclosed)	C	None			0.0000	124.00	No Ice	0.00	0.00	105.00
(3) Generic Panel 100# (enclosed)	C	None			0.0000	112.00	No Ice	0.00	0.00	105.00
(3) Generic Panel 100# (enclosed)	C	None			0.0000	100.00	No Ice	0.00	0.00	105.00
(3) Generic Panel 100# (enclosed)	C	None			0.0000	88.00	No Ice	0.00	0.00	105.00
(3) Generic Equipment (Enclosed)	C	None			0.0000	124.00	No Ice	0.00	0.00	50.00
(3) Generic Equipment (Enclosed)	C	None			0.0000	112.00	No Ice	0.00	0.00	50.00
(3) Generic Equipment (Enclosed)	C	None			0.0000	100.00	No Ice	0.00	0.00	50.00
(3) Generic Equipment (Enclosed)	C	None			0.0000	88.00	No Ice	0.00	0.00	50.00

### Tower Pressures - No Ice

$$G_H = 1.100$$

Section Elevation	z	K <sub>Z</sub>	q <sub>z</sub>	A <sub>G</sub>	F <sub>a</sub>	A <sub>F</sub>	A <sub>R</sub>	A <sub>leg</sub>	Leg %	C <sub>AA</sub> In Face	C <sub>AA</sub> Out Face
ft	ft		psf	ft <sup>2</sup>	e	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>		ft <sup>2</sup>	ft <sup>2</sup>
L1 82.00-46.00	63.98	1.152	71	159.846	A	0.000	159.846	159.846	100.00	0.000	0.000
					B	0.000	159.846		100.00	0.000	0.000
					C	0.000	159.846		100.00	0.000	0.000
L2 46.00-1.00	24.07	0.938	57	219.018	A	0.000	219.018	219.018	100.00	0.000	0.000
					B	0.000	219.018		100.00	0.000	0.000
					C	0.000	219.018		100.00	0.000	0.000

### Tower Pressure - Service

$$G_H = 1.100$$

Section Elevation	z	K <sub>Z</sub>	q <sub>z</sub>	A <sub>G</sub>	F <sub>a</sub>	A <sub>F</sub>	A <sub>R</sub>	A <sub>leg</sub>	Leg %	C <sub>AA</sub> In Face	C <sub>AA</sub> Out Face
ft	ft		psf	ft <sup>2</sup>	e	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>		ft <sup>2</sup>	ft <sup>2</sup>
L1 82.00-46.00	63.98	1.152	9	159.846	A	0.000	159.846	159.846	100.00	0.000	0.000
					B	0.000	159.846		100.00	0.000	0.000
					C	0.000	159.846		100.00	0.000	0.000
L2 46.00-1.00	24.07	0.938	7	219.018	A	0.000	219.018	219.018	100.00	0.000	0.000
					B	0.000	219.018		100.00	0.000	0.000
					C	0.000	219.018		100.00	0.000	0.000

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

### Tower Forces - No Ice - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 82.00-46.00	1244.16	6343.48	A	1	0.65	71	1	1	159.846	8074.74	224.30	C
			B	1	0.65		1	1	159.846			
			C	1	0.65		1	1	159.846			
L2 46.00-1.00	1555.20	10066.16	A	1	0.65	57	1	1	219.018	8944.69	198.77	C
			B	1	0.65		1	1	219.018			
			C	1	0.65		1	1	219.018			
Sum Weight:	2799.36	16409.64						OTM	714921.05 lb-ft	17019.43		

### Tower Forces - No Ice - Wind 45 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 82.00-46.00	1244.16	6343.48	A	1	0.65	71	1	1	159.846	8074.74	224.30	C
			B	1	0.65		1	1	159.846			
			C	1	0.65		1	1	159.846			
L2 46.00-1.00	1555.20	10066.16	A	1	0.65	57	1	1	219.018	8944.69	198.77	C
			B	1	0.65		1	1	219.018			
			C	1	0.65		1	1	219.018			
Sum Weight:	2799.36	16409.64						OTM	714921.05 lb-ft	17019.43		

### Tower Forces - No Ice - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C <sub>F</sub>	q <sub>z</sub>	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub>	F	w	Ctrl. Face
ft	lb	lb				psf			ft <sup>2</sup>	lb	plf	
L1 82.00-46.00	1244.16	6343.48	A	1	0.65	71	1	1	159.846	8074.74	224.30	C
			B	1	0.65		1	1	159.846			
			C	1	0.65		1	1	159.846			
L2 46.00-1.00	1555.20	10066.16	A	1	0.65	57	1	1	219.018	8944.69	198.77	C
			B	1	0.65		1	1	219.018			
			C	1	0.65		1	1	219.018			
Sum Weight:	2799.36	16409.64						OTM	714921.05 lb-ft	17019.43		

### Tower Forces - No Ice - Wind 90 To Face

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section Elevation <i>ft</i>	Add Weight <i>lb</i>	Self Weight <i>lb</i>	F a c e	<i>e</i>	$C_F$	$q_z$ <i>psf</i>	$D_F$	$D_R$	$A_E$ <i>ft<sup>2</sup></i>	$F$ <i>lb</i>	$w$ <i>plf</i>	Ctrl. Face
L1 82.00-46.00	1244.16	6343.48	A	1	0.65	71	1	1	159.846	8074.74	224.30	C
			B	1	0.65		1	1	159.846			
			C	1	0.65		1	1	159.846			
L2 46.00-1.00	1555.20	10066.16	A	1	0.65	57	1	1	219.018	8944.69	198.77	C
			B	1	0.65		1	1	219.018			
			C	1	0.65		1	1	219.018			
Sum Weight:	2799.36	16409.64						OTM	714921.05 lb-ft	17019.43		

### Tower Forces - Service - Wind Normal To Face

Section Elevation <i>ft</i>	Add Weight <i>lb</i>	Self Weight <i>lb</i>	F a c e	<i>e</i>	$C_F$	$q_z$ <i>psf</i>	$D_F$	$D_R$	$A_E$ <i>ft<sup>2</sup></i>	$F$ <i>lb</i>	$w$ <i>plf</i>	Ctrl. Face
L1 82.00-46.00	1244.16	6343.48	A	1	0.65	9	1	1	159.846	1028.80	28.58	C
			B	1	0.65		1	1	159.846			
			C	1	0.65		1	1	159.846			
L2 46.00-1.00	1555.20	10066.16	A	1	0.65	7	1	1	219.018	1139.64	25.33	C
			B	1	0.65		1	1	219.018			
			C	1	0.65		1	1	219.018			
Sum Weight:	2799.36	16409.64						OTM	91088.10 lb-ft	2168.45		

### Tower Forces - Service - Wind 45 To Face

Section Elevation <i>ft</i>	Add Weight <i>lb</i>	Self Weight <i>lb</i>	F a c e	<i>e</i>	$C_F$	$q_z$ <i>psf</i>	$D_F$	$D_R$	$A_E$ <i>ft<sup>2</sup></i>	$F$ <i>lb</i>	$w$ <i>plf</i>	Ctrl. Face
L1 82.00-46.00	1244.16	6343.48	A	1	0.65	9	1	1	159.846	1028.80	28.58	C
			B	1	0.65		1	1	159.846			
			C	1	0.65		1	1	159.846			
L2 46.00-1.00	1555.20	10066.16	A	1	0.65	7	1	1	219.018	1139.64	25.33	C
			B	1	0.65		1	1	219.018			
			C	1	0.65		1	1	219.018			
Sum Weight:	2799.36	16409.64						OTM	91088.10 lb-ft	2168.45		

### Tower Forces - Service - Wind 60 To Face

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section Elevation ft	Add Weight lb	Self Weight lb	F a c e	e	C <sub>F</sub>	q <sub>z</sub> psf	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub> ft <sup>2</sup>	F lb	w plf	Ctrl. Face
L1 82.00-46.00	1244.16	6343.48	A B C	1 1 1	0.65 0.65 0.65	9	1 1 1	1 1 1	159.846 159.846 159.846	1028.80	28.58	C
L2 46.00-1.00	1555.20	10066.16	A B C	1 1 1	0.65 0.65 0.65	7	1 1 1	1 1 1	219.018 219.018 219.018	1139.64	25.33	C
Sum Weight:	2799.36	16409.64						OTM	91088.10 lb-ft	2168.45		

### Tower Forces - Service - Wind 90 To Face

Section Elevation ft	Add Weight lb	Self Weight lb	F a c e	e	C <sub>F</sub>	q <sub>z</sub> psf	D <sub>F</sub>	D <sub>R</sub>	A <sub>E</sub> ft <sup>2</sup>	F lb	w plf	Ctrl. Face
L1 82.00-46.00	1244.16	6343.48	A B C	1 1 1	0.65 0.65 0.65	9	1 1 1	1 1 1	159.846 159.846 159.846	1028.80	28.58	C
L2 46.00-1.00	1555.20	10066.16	A B C	1 1 1	0.65 0.65 0.65	7	1 1 1	1 1 1	219.018 219.018 219.018	1139.64	25.33	C
Sum Weight:	2799.36	16409.64						OTM	91088.10 lb-ft	2168.45		

### Discrete Appurtenance Pressures - No Ice G<sub>H</sub> = 1.100

Description	Aiming Azimuth °	Weight lb	Offset <sub>x</sub> ft	Offset <sub>z</sub> ft	z ft	K <sub>z</sub>	q <sub>z</sub> psf	C <sub>AAc</sub> Front ft <sup>2</sup>	C <sub>AAc</sub> Side ft <sup>2</sup>
Generic Panel 105# (enclosed)	0.0000	315.00	0.00	0.00	124.00	1.324	81	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	112.00	1.296	80	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	100.00	1.266	78	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	88.00	1.232	76	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	124.00	1.324	81	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	112.00	1.296	80	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	100.00	1.266	78	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	88.00	1.232	76	0.00	0.00
Sum Weight:		1860.00							

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

**Discrete Appurtenance Pressures - Service**  $G_H = 1.100$

Description	Aiming Azimuth °	Weight lb	Offset <sub>x</sub> ft	Offset <sub>z</sub> ft	z ft	K <sub>z</sub>	q <sub>z</sub> psf	C <sub>Ac</sub> Front ft <sup>2</sup>	C <sub>Ac</sub> Side ft <sup>2</sup>
Generic Panel 105# (enclosed)	0.0000	315.00	0.00	0.00	124.00	1.324	10	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	112.00	1.296	10	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	100.00	1.266	10	0.00	0.00
Generic Panel 100# (enclosed)	0.0000	315.00	0.00	0.00	88.00	1.232	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	124.00	1.324	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	112.00	1.296	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	100.00	1.266	10	0.00	0.00
Generic Equipment (Enclosed)	0.0000	150.00	0.00	0.00	88.00	1.232	10	0.00	0.00
Sum Weight:		1860.00							

**Force Totals**

Load Case	Vertical Forces lb	Sum of Forces X lb	Sum of Forces Z lb	Sum of Overturning Moments, M <sub>x</sub> lb-ft	Sum of Overturning Moments, M <sub>z</sub> lb-ft	Sum of Torques lb-ft
Leg Weight	16409.64					
Bracing Weight	0.00					
Total Member Self-Weight	16409.64			0.00	0.00	
Total Weight	33369.00			0.00	0.00	
Wind 0 deg - No Ice		0.00	-28438.98	-1918926.52	0.00	0.00
Wind 30 deg - No Ice		14219.49	-24628.88	-1661839.12	-959463.26	0.00
Wind 45 deg - No Ice		20109.40	-20109.40	-1356885.96	-1356885.96	0.00
Wind 60 deg - No Ice		24628.88	-14219.49	-959463.26	-1661839.12	0.00
Wind 90 deg - No Ice		28438.98	0.00	0.00	-1918926.52	0.00
Wind 120 deg - No Ice		24628.88	14219.49	959463.26	-1661839.12	0.00
Wind 135 deg - No Ice		20109.40	20109.40	1356885.96	-1356885.96	0.00
Wind 150 deg - No Ice		14219.49	24628.88	1661839.12	-959463.26	0.00
Wind 180 deg - No Ice		0.00	28438.98	1918926.52	0.00	0.00
Wind 210 deg - No Ice		-14219.49	24628.88	1661839.12	959463.26	0.00
Wind 225 deg - No Ice		-20109.40	20109.40	1356885.96	1356885.96	0.00
Wind 240 deg - No Ice		-24628.88	14219.49	959463.26	1661839.12	0.00
Wind 270 deg - No Ice		-28438.98	0.00	0.00	1918926.52	0.00
Wind 300 deg - No Ice		-24628.88	-14219.49	-959463.26	1661839.12	0.00
Wind 315 deg - No Ice		-20109.40	-20109.40	-1356885.96	1356885.96	0.00
Wind 330 deg - No Ice		-14219.49	-24628.88	-1661839.12	959463.26	0.00
Total Weight	33369.00			0.00	0.00	
Wind 0 deg - Service		0.00	-3623.41	-244490.46	0.00	0.00
Wind 30 deg - Service		1811.71	-3137.97	-211734.95	-122245.23	0.00
Wind 45 deg - Service		2562.14	-2562.14	-172880.86	-172880.86	0.00
Wind 60 deg - Service		3137.97	-1811.71	-122245.23	-211734.95	0.00
Wind 90 deg - Service		3623.41	0.00	0.00	-244490.46	0.00
Wind 120 deg - Service		3137.97	1811.71	122245.23	-211734.95	0.00
Wind 135 deg - Service		2562.14	2562.14	172880.86	-172880.86	0.00
Wind 150 deg - Service		1811.71	3137.97	211734.95	-122245.23	0.00

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Load Case	Vertical Forces lb	Sum of Forces X lb	Sum of Forces Z lb	Sum of Overturning Moments, $M_x$ lb-ft	Sum of Overturning Moments, $M_z$ lb-ft	Sum of Torques lb-ft
Wind 180 deg - Service		0.00	3623.41	244490.46	0.00	0.00
Wind 210 deg - Service		-1811.71	3137.97	211734.95	122245.23	0.00
Wind 225 deg - Service		-2562.14	2562.14	172880.86	172880.86	0.00
Wind 240 deg - Service		-3137.97	1811.71	122245.23	211734.95	0.00
Wind 270 deg - Service		-3623.41	0.00	0.00	244490.46	0.00
Wind 300 deg - Service		-3137.97	-1811.71	-122245.23	211734.95	0.00
Wind 315 deg - Service		-2562.14	-2562.14	-172880.86	172880.86	0.00
Wind 330 deg - Service		-1811.71	-3137.97	-211734.95	122245.23	0.00

## Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 45 deg - No Ice
7	0.9 Dead+1.0 Wind 45 deg - No Ice
8	1.2 Dead+1.0 Wind 60 deg - No Ice
9	0.9 Dead+1.0 Wind 60 deg - No Ice
10	1.2 Dead+1.0 Wind 90 deg - No Ice
11	0.9 Dead+1.0 Wind 90 deg - No Ice
12	1.2 Dead+1.0 Wind 120 deg - No Ice
13	0.9 Dead+1.0 Wind 120 deg - No Ice
14	1.2 Dead+1.0 Wind 135 deg - No Ice
15	0.9 Dead+1.0 Wind 135 deg - No Ice
16	1.2 Dead+1.0 Wind 150 deg - No Ice
17	0.9 Dead+1.0 Wind 150 deg - No Ice
18	1.2 Dead+1.0 Wind 180 deg - No Ice
19	0.9 Dead+1.0 Wind 180 deg - No Ice
20	1.2 Dead+1.0 Wind 210 deg - No Ice
21	0.9 Dead+1.0 Wind 210 deg - No Ice
22	1.2 Dead+1.0 Wind 225 deg - No Ice
23	0.9 Dead+1.0 Wind 225 deg - No Ice
24	1.2 Dead+1.0 Wind 240 deg - No Ice
25	0.9 Dead+1.0 Wind 240 deg - No Ice
26	1.2 Dead+1.0 Wind 270 deg - No Ice
27	0.9 Dead+1.0 Wind 270 deg - No Ice
28	1.2 Dead+1.0 Wind 300 deg - No Ice
29	0.9 Dead+1.0 Wind 300 deg - No Ice
30	1.2 Dead+1.0 Wind 315 deg - No Ice
31	0.9 Dead+1.0 Wind 315 deg - No Ice
32	1.2 Dead+1.0 Wind 330 deg - No Ice
33	0.9 Dead+1.0 Wind 330 deg - No Ice
34	Dead+Wind 0 deg - Service
35	Dead+Wind 30 deg - Service
36	Dead+Wind 45 deg - Service
37	Dead+Wind 60 deg - Service
38	Dead+Wind 90 deg - Service
39	Dead+Wind 120 deg - Service
40	Dead+Wind 135 deg - Service
41	Dead+Wind 150 deg - Service
42	Dead+Wind 180 deg - Service
43	Dead+Wind 210 deg - Service

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Comb. No.	Description
44	Dead+Wind 225 deg - Service
45	Dead+Wind 240 deg - Service
46	Dead+Wind 270 deg - Service
47	Dead+Wind 300 deg - Service
48	Dead+Wind 315 deg - Service
49	Dead+Wind 330 deg - Service

### Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
L1	82 - 46	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	10	-23874.76	-702982.05	0.00
			Max. Mx	10	-23874.76	-702982.05	0.00
			Max. My	2	-23874.76	0.00	702982.05
			Max. Vy	10	18116.24	-702982.05	0.00
			Max. Vx	2	-18116.24	0.00	702982.05
			Max. Torque	8			0.00
L2	46 - 1	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	6	-40031.09	-1372009.3	1372009.36
			Max. Mx	10	-40031.08	-1940294.5	0.00
			Max. My	2	-40031.08	0.00	1940294.57
			Max. Vy	10	28455.17	-1940294.5	0.00
			Max. Vx	2	-28455.17	0.00	1940294.57
			Max. Torque	4			-0.00

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Pole	Max. Vert	6	40042.80	-20109.38	20109.38
	Max. H <sub>x</sub>	27	30032.10	28438.77	0.00
	Max. H <sub>z</sub>	3	30032.10	0.00	28438.77
	Max. M <sub>x</sub>	2	1940294.57	0.00	28438.69
	Max. M <sub>z</sub>	10	1940294.57	-28438.69	0.00
	Max. Torsion	16	0.00	-14219.48	-24628.86
	Min. Vert	11	30032.10	-28438.77	0.00
	Min. H <sub>x</sub>	11	30032.10	-28438.77	0.00
	Min. H <sub>z</sub>	19	30032.10	0.00	-28438.77
	Min. M <sub>x</sub>	18	-1940294.57	0.00	-28438.69
	Min. M <sub>z</sub>	26	-1940294.57	28438.69	0.00
	Min. Torsion	4	-0.00	-14219.48	24628.86

### Tower Mast Reaction Summary

<p style="text-align: center;"><b>tnxTower</b></p> <p><b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:</p>	<b>Job</b>	Ft. Pierce Orave Ave	<b>Page</b>	10 of 20
	<b>Project</b>	U0142-705-181	<b>Date</b>	13:51:24 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>	dfoulger

Load Combination	Vertical lb	Shear <sub>x</sub> lb	Shear <sub>z</sub> lb	Overturning Moment, M <sub>x</sub> lb-ft	Overturning Moment, M <sub>z</sub> lb-ft	Torque lb-ft
Dead Only	33369.00	0.00	0.00	0.00	0.00	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	40042.80	0.00	-28438.69	-1940294.57	0.00	0.00
0.9 Dead+1.0 Wind 0 deg - No Ice	30032.10	0.00	-28438.77	-1934878.87	0.00	0.00
1.2 Dead+1.0 Wind 30 deg - No Ice	40042.80	14219.48	-24628.86	-1680361.42	-970157.12	0.00
0.9 Dead+1.0 Wind 30 deg - No Ice	30032.10	14219.48	-24628.87	-1675666.28	-967446.38	0.00
1.2 Dead+1.0 Wind 45 deg - No Ice	40042.80	20109.38	-20109.38	-1372009.36	-1372009.36	0.00
0.9 Dead+1.0 Wind 45 deg - No Ice	30032.10	20109.39	-20109.39	-1368175.79	-1368175.79	0.00
1.2 Dead+1.0 Wind 60 deg - No Ice	40042.80	24628.86	-14219.48	-970157.12	-1680361.42	-0.00
0.9 Dead+1.0 Wind 60 deg - No Ice	30032.10	24628.87	-14219.48	-967446.38	-1675666.28	-0.00
1.2 Dead+1.0 Wind 90 deg - No Ice	40042.80	28438.69	0.00	0.00	-1940294.57	0.00
0.9 Dead+1.0 Wind 90 deg - No Ice	30032.10	28438.77	0.00	0.00	-1934878.87	0.00
1.2 Dead+1.0 Wind 120 deg - No Ice	40042.80	24628.86	14219.48	970157.12	-1680361.42	0.00
0.9 Dead+1.0 Wind 120 deg - No Ice	30032.10	24628.87	14219.48	967446.38	-1675666.28	0.00
1.2 Dead+1.0 Wind 135 deg - No Ice	40042.80	20109.38	20109.38	1372009.36	-1372009.36	0.00
0.9 Dead+1.0 Wind 135 deg - No Ice	30032.10	20109.39	20109.39	1368175.79	-1368175.79	0.00
1.2 Dead+1.0 Wind 150 deg - No Ice	40042.80	14219.48	24628.86	1680361.42	-970157.12	-0.00
0.9 Dead+1.0 Wind 150 deg - No Ice	30032.10	14219.48	24628.87	1675666.28	-967446.38	-0.00
1.2 Dead+1.0 Wind 180 deg - No Ice	40042.80	0.00	28438.69	1940294.57	0.00	0.00
0.9 Dead+1.0 Wind 180 deg - No Ice	30032.10	0.00	28438.77	1934878.87	0.00	0.00
1.2 Dead+1.0 Wind 210 deg - No Ice	40042.80	-14219.48	24628.86	1680361.42	970157.12	0.00
0.9 Dead+1.0 Wind 210 deg - No Ice	30032.10	-14219.48	24628.87	1675666.28	967446.38	0.00
1.2 Dead+1.0 Wind 225 deg - No Ice	40042.80	-20109.38	20109.38	1372009.36	1372009.36	0.00
0.9 Dead+1.0 Wind 225 deg - No Ice	30032.10	-20109.39	20109.39	1368175.79	1368175.79	0.00
1.2 Dead+1.0 Wind 240 deg - No Ice	40042.80	-24628.86	14219.48	970157.12	1680361.42	-0.00
0.9 Dead+1.0 Wind 240 deg - No Ice	30032.10	-24628.87	14219.48	967446.38	1675666.28	-0.00
1.2 Dead+1.0 Wind 270 deg - No Ice	40042.80	-28438.69	0.00	0.00	1940294.57	0.00
0.9 Dead+1.0 Wind 270 deg - No Ice	30032.10	-28438.77	0.00	0.00	1934878.87	0.00
1.2 Dead+1.0 Wind 300 deg - No Ice	40042.80	-24628.86	-14219.48	-970157.12	1680361.42	0.00
0.9 Dead+1.0 Wind 300 deg - No Ice	30032.10	-24628.87	-14219.48	-967446.38	1675666.28	0.00
1.2 Dead+1.0 Wind 315 deg - No Ice	40042.80	-20109.38	-20109.38	-1372009.36	1372009.36	0.00
0.9 Dead+1.0 Wind 315 deg - No Ice	30032.10	-20109.39	-20109.39	-1368175.79	1368175.79	0.00

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b>	Ft. Pierce Orave Ave	<b>Page</b>	11 of 20
	<b>Project</b>	U0142-705-181	<b>Date</b>	13:51:24 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>	dfoulger

Load Combination	Vertical lb	Shear <sub>x</sub> lb	Shear <sub>z</sub> lb	Overturning Moment, M <sub>x</sub> lb-ft	Overturning Moment, M <sub>z</sub> lb-ft	Torque lb-ft
1.2 Dead+1.0 Wind 330 deg - No Ice	40042.80	-14219.48	-24628.86	-1680361.42	970157.12	-0.00
0.9 Dead+1.0 Wind 330 deg - No Ice	30032.10	-14219.48	-24628.87	-1675666.28	967446.38	-0.00
Dead+Wind 0 deg - Service	33369.00	0.00	-3623.09	-246740.29	0.00	0.00
Dead+Wind 30 deg - Service	33369.00	1811.55	-3137.69	-213683.36	-123370.14	0.00
Dead+Wind 45 deg - Service	33369.00	2561.91	-2561.91	-174471.73	-174471.73	0.00
Dead+Wind 60 deg - Service	33369.00	3137.69	-1811.55	-123370.14	-213683.36	-0.00
Dead+Wind 90 deg - Service	33369.00	3623.09	0.00	0.00	-246740.29	0.00
Dead+Wind 120 deg - Service	33369.00	3137.69	1811.55	123370.14	-213683.36	0.00
Dead+Wind 135 deg - Service	33369.00	2561.91	2561.91	174471.73	-174471.73	0.00
Dead+Wind 150 deg - Service	33369.00	1811.55	3137.69	213683.36	-123370.14	-0.00
Dead+Wind 180 deg - Service	33369.00	0.00	3623.09	246740.29	0.00	0.00
Dead+Wind 210 deg - Service	33369.00	-1811.55	3137.69	213683.36	123370.14	0.00
Dead+Wind 225 deg - Service	33369.00	-2561.91	2561.91	174471.73	174471.73	0.00
Dead+Wind 240 deg - Service	33369.00	-3137.69	1811.55	123370.14	213683.36	-0.00
Dead+Wind 270 deg - Service	33369.00	-3623.09	0.00	0.00	246740.29	0.00
Dead+Wind 300 deg - Service	33369.00	-3137.69	-1811.55	-123370.14	213683.36	0.00
Dead+Wind 315 deg - Service	33369.00	-2561.91	-2561.91	-174471.73	174471.73	0.00
Dead+Wind 330 deg - Service	33369.00	-1811.55	-3137.69	-213683.36	123370.14	-0.00

## Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	
1	0.00	-33369.00	0.00	0.00	33369.00	0.00	0.000%
2	0.00	-40042.80	-28438.98	0.00	40042.80	28438.69	0.001%
3	0.00	-30032.10	-28438.98	0.00	30032.10	28438.77	0.001%
4	14219.49	-40042.80	-24628.88	-14219.48	40042.80	24628.86	0.000%
5	14219.49	-30032.10	-24628.88	-14219.48	30032.10	24628.87	0.000%
6	20109.40	-40042.80	-20109.40	-20109.38	40042.80	20109.38	0.000%
7	20109.40	-30032.10	-20109.40	-20109.39	30032.10	20109.39	0.000%
8	24628.88	-40042.80	-14219.49	-24628.86	40042.80	14219.48	0.000%
9	24628.88	-30032.10	-14219.49	-24628.87	30032.10	14219.48	0.000%
10	28438.98	-40042.80	0.00	-28438.69	40042.80	0.00	0.001%
11	28438.98	-30032.10	0.00	-28438.77	30032.10	0.00	0.001%
12	24628.88	-40042.80	14219.49	-24628.86	40042.80	-14219.48	0.000%
13	24628.88	-30032.10	14219.49	-24628.87	30032.10	-14219.48	0.000%
14	20109.40	-40042.80	20109.40	-20109.38	40042.80	-20109.38	0.000%
15	20109.40	-30032.10	20109.40	-20109.39	30032.10	-20109.39	0.000%
16	14219.49	-40042.80	24628.88	-14219.48	40042.80	-24628.86	0.000%
17	14219.49	-30032.10	24628.88	-14219.48	30032.10	-24628.87	0.000%
18	0.00	-40042.80	28438.98	0.00	40042.80	-28438.69	0.001%
19	0.00	-30032.10	28438.98	0.00	30032.10	-28438.77	0.001%
20	-14219.49	-40042.80	24628.88	14219.48	40042.80	-24628.86	0.000%
21	-14219.49	-30032.10	24628.88	14219.48	30032.10	-24628.87	0.000%
22	-20109.40	-40042.80	20109.40	20109.38	40042.80	-20109.38	0.000%
23	-20109.40	-30032.10	20109.40	20109.39	30032.10	-20109.39	0.000%
24	-24628.88	-40042.80	14219.49	24628.86	40042.80	-14219.48	0.000%
25	-24628.88	-30032.10	14219.49	24628.87	30032.10	-14219.48	0.000%
26	-28438.98	-40042.80	0.00	28438.69	40042.80	0.00	0.001%
27	-28438.98	-30032.10	0.00	28438.77	30032.10	0.00	0.001%
28	-24628.88	-40042.80	-14219.49	24628.86	40042.80	14219.48	0.000%
29	-24628.88	-30032.10	-14219.49	24628.87	30032.10	14219.48	0.000%
30	-20109.40	-40042.80	-20109.40	20109.38	40042.80	20109.38	0.000%
31	-20109.40	-30032.10	-20109.40	20109.39	30032.10	20109.39	0.000%
32	-14219.49	-40042.80	-24628.88	14219.48	40042.80	24628.86	0.000%

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orave Ave	<b>Page</b> 12 of 20
	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	
33	-14219.49	-30032.10	-24628.88	14219.48	30032.10	24628.87	0.000%
34	0.00	-33369.00	-3623.41	0.00	33369.00	3623.09	0.001%
35	1811.71	-33369.00	-3137.97	-1811.55	33369.00	3137.69	0.001%
36	2562.14	-33369.00	-2562.14	-2561.91	33369.00	2561.91	0.001%
37	3137.97	-33369.00	-1811.71	-3137.69	33369.00	1811.55	0.001%
38	3623.41	-33369.00	0.00	-3623.09	33369.00	0.00	0.001%
39	3137.97	-33369.00	1811.71	-3137.69	33369.00	-1811.55	0.001%
40	2562.14	-33369.00	2562.14	-2561.91	33369.00	-2561.91	0.001%
41	1811.71	-33369.00	3137.97	-1811.55	33369.00	-3137.69	0.001%
42	0.00	-33369.00	3623.41	0.00	33369.00	-3623.09	0.001%
43	-1811.71	-33369.00	3137.97	1811.55	33369.00	-3137.69	0.001%
44	-2562.14	-33369.00	2562.14	2561.91	33369.00	-2561.91	0.001%
45	-3137.97	-33369.00	1811.71	3137.69	33369.00	-1811.55	0.001%
46	-3623.41	-33369.00	0.00	3623.09	33369.00	0.00	0.001%
47	-3137.97	-33369.00	-1811.71	3137.69	33369.00	1811.55	0.001%
48	-2562.14	-33369.00	-2562.14	2561.91	33369.00	2561.91	0.001%
49	-1811.71	-33369.00	-3137.97	1811.55	33369.00	3137.69	0.001%

## Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	7	0.00000001	0.00004645
3	Yes	7	0.00000001	0.00004259
4	Yes	8	0.00000001	0.00004973
5	Yes	8	0.00000001	0.00004139
6	Yes	8	0.00000001	0.00005732
7	Yes	8	0.00000001	0.00004770
8	Yes	8	0.00000001	0.00004973
9	Yes	8	0.00000001	0.00004139
10	Yes	7	0.00000001	0.00004645
11	Yes	7	0.00000001	0.00004259
12	Yes	8	0.00000001	0.00004973
13	Yes	8	0.00000001	0.00004139
14	Yes	8	0.00000001	0.00005732
15	Yes	8	0.00000001	0.00004770
16	Yes	8	0.00000001	0.00004973
17	Yes	8	0.00000001	0.00004139
18	Yes	7	0.00000001	0.00004645
19	Yes	7	0.00000001	0.00004259
20	Yes	8	0.00000001	0.00004973
21	Yes	8	0.00000001	0.00004139
22	Yes	8	0.00000001	0.00005732
23	Yes	8	0.00000001	0.00004770
24	Yes	8	0.00000001	0.00004973
25	Yes	8	0.00000001	0.00004139
26	Yes	7	0.00000001	0.00004645
27	Yes	7	0.00000001	0.00004259
28	Yes	8	0.00000001	0.00004973
29	Yes	8	0.00000001	0.00004139
30	Yes	8	0.00000001	0.00005732
31	Yes	8	0.00000001	0.00004770
32	Yes	8	0.00000001	0.00004973
33	Yes	8	0.00000001	0.00004139
34	Yes	6	0.00000001	0.00005744

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b>	Ft. Pierce Orave Ave	<b>Page</b>	13 of 20
	<b>Project</b>	U0142-705-181	<b>Date</b>	13:51:24 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>	dfoulger

35	Yes	6	0.0000001	0.00005685
36	Yes	6	0.0000001	0.00005666
37	Yes	6	0.0000001	0.00005685
38	Yes	6	0.0000001	0.00005744
39	Yes	6	0.0000001	0.00005685
40	Yes	6	0.0000001	0.00005666
41	Yes	6	0.0000001	0.00005685
42	Yes	6	0.0000001	0.00005744
43	Yes	6	0.0000001	0.00005685
44	Yes	6	0.0000001	0.00005666
45	Yes	6	0.0000001	0.00005685
46	Yes	6	0.0000001	0.00005744
47	Yes	6	0.0000001	0.00005685
48	Yes	6	0.0000001	0.00005666
49	Yes	6	0.0000001	0.00005685

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	82 - 46	1.300	34	0.1260	0.0000
L2	53.58 - 1	0.624	34	0.0981	0.0000

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	Top Plate	34	1.300	0.1260	0.0000	154361
124.00	(3) Generic Panel 105# (enclosed)	34	1.300	0.1260	0.0000	154361
118.00	Bulkhead	34	1.300	0.1260	0.0000	154361
112.00	(3) Generic Panel 100# (enclosed)	34	1.300	0.1260	0.0000	154361
106.00	Bulkhead	34	1.300	0.1260	0.0000	154361
100.00	(3) Generic Panel 100# (enclosed)	34	1.300	0.1260	0.0000	154361
94.00	Bulkhead	34	1.300	0.1260	0.0000	154361
88.00	(3) Generic Panel 100# (enclosed)	34	1.300	0.1260	0.0000	154361
82.00	Bottom Plate	34	1.300	0.1260	0.0000	154361

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	82 - 46	10.226	10	0.9911	0.0000
L2	53.58 - 1	4.907	10	0.7717	0.0000

### Critical Deflections and Radius of Curvature - Design Wind

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b>	Ft. Pierce Orave Ave	<b>Page</b>	14 of 20
	<b>Project</b>	U0142-705-181	<b>Date</b>	13:51:24 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>	dfoulger

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
130.00	Top Plate	10	10.226	0.9911	0.0000	19635
124.00	(3) Generic Panel 105# (enclosed)	10	10.226	0.9911	0.0000	19635
118.00	Bulkhead	10	10.226	0.9911	0.0000	19635
112.00	(3) Generic Panel 100# (enclosed)	10	10.226	0.9911	0.0000	19635
106.00	Bulkhead	10	10.226	0.9911	0.0000	19635
100.00	(3) Generic Panel 100# (enclosed)	10	10.226	0.9911	0.0000	19635
94.00	Bulkhead	10	10.226	0.9911	0.0000	19635
88.00	(3) Generic Panel 100# (enclosed)	10	10.226	0.9911	0.0000	19635
82.00	Bottom Plate	10	10.226	0.9911	0.0000	19635

## Compression Checks

## Pole Design Data

Section No.	Elevation	Size	L	L <sub>u</sub>	Kl/r	A	P <sub>u</sub>	φP <sub>n</sub>	Ratio
	ft		ft	ft		in <sup>2</sup>	lb	lb	$\frac{P_u}{\phi P_n}$
L1	82 - 80.5042	TP55.04x50x0.3125	36.00	0.00	0.0	49.4915	-17150.60	3127360.00	0.005
	80.5042 - 79.0084					49.6992	-17511.50	3134280.00	0.006
	79.0084 - 77.5126					49.9069	-17873.80	3141150.00	0.006
	77.5126 - 76.0168					50.1146	-18237.60	3147970.00	0.006
	76.0168 - 74.5211					50.3223	-18602.90	3154730.00	0.006
	74.5211 - 73.0253					50.5300	-18969.60	3161450.00	0.006
	73.0253 - 71.5295					50.7378	-19337.90	3168110.00	0.006
	71.5295 - 70.0337					50.9455	-19707.60	3174720.00	0.006
	70.0337 - 68.5379					51.1532	-20078.80	3181270.00	0.006
	68.5379 - 67.0421					51.3609	-20451.50	3187780.00	0.006
	67.0421 - 65.5463					51.5686	-20825.70	3194230.00	0.007
	65.5463 - 64.0505					51.7763	-21201.40	3200640.00	0.007
	64.0505 - 62.5547					51.9840	-21578.70	3206990.00	0.007
	62.5547 - 61.0589					52.1917	-21957.50	3213280.00	0.007
	61.0589 - 59.5632					52.3994	-22337.80	3219530.00	0.007
	59.5632 - 58.0674					52.6071	-22719.70	3225720.00	0.007
	58.0674 - 56.5716					52.8148	-23103.20	3231870.00	0.007
	56.5716 - 55.0758					53.0226	-23488.20	3237960.00	0.007
	55.0758 -					53.2303	-23874.70	3244000.00	0.007

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	<b>Project</b>	U0142-705-181	<b>Date</b>	13:51:24 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>	dfoulger

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> lb	φP <sub>n</sub> lb	Ratio $\frac{P_u}{\phi P_n}$
L2	53.58 - 46	TP60.715x53.3538x0.3125	52.58	0.00	0.0	54.2828	-13894.20	3273800.00	0.004
	53.58 - 46					53.6629	-13589.70	3256410.00	0.004
	46 - 43.6316					53.9918	-28109.00	3265690.00	0.009
	43.6316 - 41.2632					54.3207	-28735.50	3274850.00	0.009
	41.2632 - 38.8947					54.6496	-29366.20	3283870.00	0.009
	38.8947 - 36.5263					54.9785	-30001.00	3292770.00	0.009
	36.5263 - 34.1579					55.3073	-30640.00	3301530.00	0.009
	34.1579 - 31.7895					55.6362	-31283.20	3310170.00	0.009
	31.7895 - 29.4211					55.9651	-31930.60	3318670.00	0.010
	29.4211 - 27.0526					56.2940	-32582.20	3327050.00	0.010
	27.0526 - 24.6842					56.6229	-33238.00	3335290.00	0.010
	24.6842 - 22.3158					56.9518	-33898.10	3343410.00	0.010
	22.3158 - 19.9474					57.2807	-34562.40	3351390.00	0.010
	19.9474 - 17.5789					57.6095	-35231.00	3359240.00	0.010
	17.5789 - 15.2105					57.9384	-35903.90	3366970.00	0.011
	15.2105 - 12.8421					58.2673	-36581.00	3374560.00	0.011
	12.8421 - 10.4737					58.5962	-37262.50	3382030.00	0.011
10.4737 - 8.10526	58.9251	-37948.20	3389360.00	0.011					
8.10526 - 5.73684	59.2540	-38638.20	3396570.00	0.011					
5.73684 - 3.36842	59.5828	-39332.50	3403640.00	0.012					
3.36842 - 1	59.9117	-40031.10	3410580.00	0.012					

### Pole Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> lb-ft	φM <sub>ux</sub> lb-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M <sub>uy</sub> lb-ft	φM <sub>uy</sub> lb-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L1	82 - 80.5042	TP55.04x50x0.3125	296793.33	3213908.33	0.092	0.00	3213908.33	0.000
	80.5042 - 79.0084		315070.83	3234616.67	0.097	0.00	3234616.67	0.000
	79.0084 - 77.5126		333853.33	3255341.67	0.103	0.00	3255341.67	0.000
	77.5126 - 76.0168		353142.50	3276066.67	0.108	0.00	3276066.67	0.000
	76.0168 - 74.5211		372936.67	3296800.00	0.113	0.00	3296800.00	0.000
	74.5211 - 73.0253		393235.83	3317533.33	0.119	0.00	3317533.33	0.000
	73.0253 - 71.5295							

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	<b>Project</b>	U0142-705-181	<b>Date</b>	13:51:24 09/13/18
	<b>Client</b>	STEALTH® Concealment Solutions	<b>Designed by</b>	dfoulger

Section No.	Elevation ft	Size	$M_{ux}$ lb-ft	$\phi M_{rx}$ lb-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	$M_{uy}$ lb-ft	$\phi M_{ry}$ lb-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
	73.0253 - 71.5295		414040.83	3338275.00	0.124	0.00	3338275.00	0.000
	71.5295 - 70.0337		435350.00	3359016.67	0.130	0.00	3359016.67	0.000
	70.0337 - 68.5379		457163.33	3379758.33	0.135	0.00	3379758.33	0.000
	68.5379 - 67.0421		479481.67	3400500.00	0.141	0.00	3400500.00	0.000
	67.0421 - 65.5463		502303.33	3421250.00	0.147	0.00	3421250.00	0.000
	65.5463 - 64.0505		525629.17	3442000.00	0.153	0.00	3442000.00	0.000
	64.0505 - 62.5547		549458.33	3462741.67	0.159	0.00	3462741.67	0.000
	62.5547 - 61.0589		573790.83	3483491.67	0.165	0.00	3483491.67	0.000
	61.0589 - 59.5632		598625.83	3504233.33	0.171	0.00	3504233.33	0.000
	59.5632 - 58.0674		623963.33	3524975.00	0.177	0.00	3524975.00	0.000
	58.0674 - 56.5716		649802.50	3545716.67	0.183	0.00	3545716.67	0.000
	56.5716 - 55.0758		676144.17	3566450.00	0.190	0.00	3566450.00	0.000
	55.0758 - 53.58		702986.67	3587175.00	0.196	0.00	3587175.00	0.000
L2	53.58 - 46	TP60.715x53.3538x0.3125	431321.67	3692133.33	0.117	0.00	3692133.33	0.000
	53.58 - 46		415533.33	3630341.67	0.114	0.00	3630341.67	0.000
	46 - 43.6316		894450.00	3663133.33	0.244	0.00	3663133.33	0.000
	43.6316 - 41.2632		943216.67	3695908.33	0.255	0.00	3695908.33	0.000
	41.2632 - 38.8947		993150.00	3728658.33	0.266	0.00	3728658.33	0.000
	38.8947 - 36.5263		1044233.33	3761383.33	0.278	0.00	3761383.33	0.000
	36.5263 - 34.1579		1096450.00	3794083.33	0.289	0.00	3794083.33	0.000
	34.1579 - 31.7895		1149800.00	3826750.00	0.300	0.00	3826750.00	0.000
	31.7895 - 29.4211		1204266.67	3859391.67	0.312	0.00	3859391.67	0.000
	29.4211 - 27.0526		1259825.00	3891991.67	0.324	0.00	3891991.67	0.000
	27.0526 - 24.6842		1316483.33	3924550.00	0.335	0.00	3924550.00	0.000
	24.6842 - 22.3158		1374225.00	3957075.00	0.347	0.00	3957075.00	0.000
	22.3158 - 19.9474		1433025.00	3989558.33	0.359	0.00	3989558.33	0.000
	19.9474 - 17.5789		1492875.00	4021991.67	0.371	0.00	4021991.67	0.000
	17.5789 - 15.2105		1553775.00	4054375.00	0.383	0.00	4054375.00	0.000
	15.2105 - 12.8421		1615700.00	4086708.33	0.395	0.00	4086708.33	0.000
	12.8421 - 10.4737		1678641.67	4118991.67	0.408	0.00	4118991.67	0.000
	10.4737 - 8.10526		1742591.67	4151216.67	0.420	0.00	4151216.67	0.000
	8.10526 -		1807525.00	4183375.00	0.432	0.00	4183375.00	0.000

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orave Ave	<b>Page</b> 17 of 20
	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section No.	Elevation ft	Size	$M_{ux}$ lb-ft	$\phi M_{rx}$ lb-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	$M_{uy}$ lb-ft	$\phi M_{ry}$ lb-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
	5.73684							
	5.73684 - 3.36842		1873433.33	4215483.33	0.444	0.00	4215483.33	0.000
	3.36842 - 1		1940316.67	4247516.67	0.457	0.00	4247516.67	0.000

### Pole Shear Design Data

Section No.	Elevation ft	Size	Actual $V_u$ lb	$\phi V_n$ lb	Ratio $\frac{V_u}{\phi V_n}$	Actual $T_u$ lb-ft	$\phi T_n$ lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	82 - 80.5042	TP55.04x50x0.3125	12051.60	1563680.00	0.008	0.00	6441758.00	0.000
	80.5042 - 79.0084		12389.90	1567140.00	0.008	0.00	6483250.00	0.000
	79.0084 - 77.5126		12728.10	1570580.00	0.008	0.00	6524758.00	0.000
	77.5126 - 76.0168		13066.20	1573980.00	0.008	0.00	6566274.67	0.000
	76.0168 - 74.5211		13404.10	1577370.00	0.008	0.00	6607800.00	0.000
	74.5211 - 73.0253		13741.90	1580720.00	0.009	0.00	6649341.33	0.000
	73.0253 - 71.5295		14079.50	1584050.00	0.009	0.00	6690883.33	0.000
	71.5295 - 70.0337		14417.00	1587360.00	0.009	0.00	6732424.67	0.000
	70.0337 - 68.5379		14754.30	1590640.00	0.009	0.00	6773983.33	0.000
	68.5379 - 67.0421		15091.50	1593890.00	0.009	0.00	6815533.33	0.000
	67.0421 - 65.5463		15428.40	1597120.00	0.010	0.00	6857091.33	0.000
	65.5463 - 64.0505		15765.20	1600320.00	0.010	0.00	6898650.00	0.000
	64.0505 - 62.5547		16101.80	1603490.00	0.010	0.00	6940208.00	0.000
	62.5547 - 61.0589		16438.10	1606640.00	0.010	0.00	6981766.67	0.000
	61.0589 - 59.5632		16774.30	1609770.00	0.010	0.00	7023316.67	0.000
	59.5632 - 58.0674		17110.20	1612860.00	0.011	0.00	7064858.00	0.000
	58.0674 - 56.5716		17445.80	1615930.00	0.011	0.00	7106400.00	0.000
	56.5716 - 55.0758		17781.20	1618980.00	0.011	0.00	7147933.33	0.000
	55.0758 - 53.58		18116.40	1622000.00	0.011	0.00	7189450.00	0.000
L2	53.58 - 46	TP60.715x53.3538x0.3125	10520.50	1636900.00	0.006	0.00	7399683.33	0.000
	53.58 - 46		9335.75	1628200.00	0.006	0.00	7275908.00	0.000
	46 - 43.6316		20351.30	1632850.00	0.012	0.00	7341591.33	0.000
	43.6316 - 41.2632		20845.10	1637420.00	0.013	0.00	7407233.33	0.000
	41.2632 - 38.8947		21333.90	1641940.00	0.013	0.00	7472833.33	0.000
	38.8947 - 36.5263		21817.80	1646380.00	0.013	0.00	7538383.33	0.000

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section No.	Elevation ft	Size	Actual $V_u$ lb	$\phi V_n$ lb	Ratio $\frac{V_u}{\phi V_n}$	Actual $T_u$ lb-ft	$\phi T_n$ lb-ft	Ratio $\frac{T_u}{\phi T_n}$
	36.5263 - 34.1579		22296.70	1650770.00	0.014	0.00	7603883.33	0.000
	34.1579 - 31.7895		22770.50	1655080.00	0.014	0.00	7669316.67	0.000
	31.7895 - 29.4211		23239.20	1659340.00	0.014	0.00	7734691.33	0.000
	29.4211 - 27.0526		23702.90	1663520.00	0.014	0.00	7799991.33	0.000
	27.0526 - 24.6842		24161.30	1667650.00	0.014	0.00	7865216.67	0.000
	24.6842 - 22.3158		24614.60	1671700.00	0.015	0.00	7930358.00	0.000
	22.3158 - 19.9474		25062.70	1675690.00	0.015	0.00	7995408.00	0.000
	19.9474 - 17.5789		25505.60	1679620.00	0.015	0.00	8060374.67	0.000
	17.5789 - 15.2105		25943.10	1683480.00	0.015	0.00	8125241.33	0.000
	15.2105 - 12.8421		26375.30	1687280.00	0.016	0.00	8190000.00	0.000
	12.8421 - 10.4737		26802.20	1691010.00	0.016	0.00	8254650.00	0.000
	10.4737 - 8.10526		27223.70	1694680.00	0.016	0.00	8319191.33	0.000
	8.10526 - 5.73684		27639.70	1698280.00	0.016	0.00	8383583.33	0.000
	5.73684 - 3.36842		28050.30	1701820.00	0.016	0.00	8447916.67	0.000
	3.36842 - 1		28455.40	1705290.00	0.017	0.00	8512083.33	0.000

### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	82 - 80.5042	0.005	0.092	0.000	0.008	0.000	0.098	1.000	4.8.2 ✓
	80.5042 - 79.0084	0.006	0.097	0.000	0.008	0.000	0.103	1.000	4.8.2 ✓
	79.0084 - 77.5126	0.006	0.103	0.000	0.008	0.000	0.108	1.000	4.8.2 ✓
	77.5126 - 76.0168	0.006	0.108	0.000	0.008	0.000	0.114	1.000	4.8.2 ✓
	76.0168 - 74.5211	0.006	0.113	0.000	0.008	0.000	0.119	1.000	4.8.2 ✓
	74.5211 - 73.0253	0.006	0.119	0.000	0.009	0.000	0.125	1.000	4.8.2 ✓
	73.0253 - 71.5295	0.006	0.124	0.000	0.009	0.000	0.130	1.000	4.8.2 ✓
	71.5295 - 70.0337	0.006	0.130	0.000	0.009	0.000	0.136	1.000	4.8.2 ✓
	70.0337 -	0.006	0.135	0.000	0.009	0.000	0.142	1.000	4.8.2 ✓

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	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		$P_u$	$M_{ux}$	$M_{uy}$	$V_u$	$T_u$			
		$\phi P_n$	$\phi M_{ux}$	$\phi M_{uy}$	$\phi V_n$	$\phi T_n$			
	68.5379						✓		
	68.5379 - 67.0421	0.006	0.141	0.000	0.009	0.000	0.148	1.000	4.8.2 ✓
	67.0421 - 65.5463	0.007	0.147	0.000	0.010	0.000	0.153	1.000	4.8.2 ✓
	65.5463 - 64.0505	0.007	0.153	0.000	0.010	0.000	0.159	1.000	4.8.2 ✓
	64.0505 - 62.5547	0.007	0.159	0.000	0.010	0.000	0.166	1.000	4.8.2 ✓
	62.5547 - 61.0589	0.007	0.165	0.000	0.010	0.000	0.172	1.000	4.8.2 ✓
	61.0589 - 59.5632	0.007	0.171	0.000	0.010	0.000	0.178	1.000	4.8.2 ✓
	59.5632 - 58.0674	0.007	0.177	0.000	0.011	0.000	0.184	1.000	4.8.2 ✓
	58.0674 - 56.5716	0.007	0.183	0.000	0.011	0.000	0.191	1.000	4.8.2 ✓
	56.5716 - 55.0758	0.007	0.190	0.000	0.011	0.000	0.197	1.000	4.8.2 ✓
	55.0758 - 53.58	0.007	0.196	0.000	0.011	0.000	0.203	1.000	4.8.2 ✓
	53.58 - 46	0.004	0.117	0.000	0.006	0.000	0.121	1.000	4.8.2 ✓
L2	53.58 - 46	0.004	0.114	0.000	0.006	0.000	0.119	1.000	4.8.2 ✓
	46 - 43.6316	0.009	0.244	0.000	0.012	0.000	0.253	1.000	4.8.2 ✓
	43.6316 - 41.2632	0.009	0.255	0.000	0.013	0.000	0.264	1.000	4.8.2 ✓
	41.2632 - 38.8947	0.009	0.266	0.000	0.013	0.000	0.275	1.000	4.8.2 ✓
	38.8947 - 36.5263	0.009	0.278	0.000	0.013	0.000	0.287	1.000	4.8.2 ✓
	36.5263 - 34.1579	0.009	0.289	0.000	0.014	0.000	0.298	1.000	4.8.2 ✓
	34.1579 - 31.7895	0.009	0.300	0.000	0.014	0.000	0.310	1.000	4.8.2 ✓
	31.7895 - 29.4211	0.010	0.312	0.000	0.014	0.000	0.322	1.000	4.8.2 ✓
	29.4211 - 27.0526	0.010	0.324	0.000	0.014	0.000	0.334	1.000	4.8.2 ✓
	27.0526 - 24.6842	0.010	0.335	0.000	0.014	0.000	0.346	1.000	4.8.2 ✓
	24.6842 - 22.3158	0.010	0.347	0.000	0.015	0.000	0.358	1.000	4.8.2 ✓
	22.3158 - 19.9474	0.010	0.359	0.000	0.015	0.000	0.370	1.000	4.8.2 ✓
	19.9474 - 17.5789	0.010	0.371	0.000	0.015	0.000	0.382	1.000	4.8.2 ✓
	17.5789 - 15.2105	0.011	0.383	0.000	0.015	0.000	0.394	1.000	4.8.2 ✓
	15.2105 -	0.011	0.395	0.000	0.016	0.000	0.406	1.000	4.8.2 ✓

<b>tnxTower</b>  <b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:	<b>Job</b> Ft. Pierce Orave Ave	<b>Page</b> 20 of 20
	<b>Project</b> U0142-705-181	<b>Date</b> 13:51:24 09/13/18
	<b>Client</b> STEALTH® Concealment Solutions	<b>Designed by</b> dfoulger

Section No.	Elevation ft	Ratio $P_u$ $\phi P_n$	Ratio $M_{ux}$ $\phi M_{nx}$	Ratio $M_{uy}$ $\phi M_{ny}$	Ratio $V_u$ $\phi V_n$	Ratio $T_u$ $\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
	12.8421						✓		
	12.8421 - 10.4737	0.011	0.408	0.000	0.016	0.000	0.419	1.000	4.8.2 ✓
	10.4737 - 8.10526	0.011	0.420	0.000	0.016	0.000	0.431	1.000	4.8.2 ✓
	8.10526 - 5.73684	0.011	0.432	0.000	0.016	0.000	0.444	1.000	4.8.2 ✓
	5.73684 - 3.36842	0.012	0.444	0.000	0.016	0.000	0.456	1.000	4.8.2 ✓
	3.36842 - 1	0.012	0.457	0.000	0.017	0.000	0.469	1.000	4.8.2 ✓

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$\phi P_{allow}$ lb	% Capacity	Pass Fail	
L1	82 - 46	Pole	TP55.04x50x0.3125	1	-23874.70	3244000.00	20.3	Pass	
L2	46 - 1	Pole	TP60.715x53.3538x0.3125	2	-40031.10	3410580.00	46.9	Pass	
							Summary		
							Pole (L2)	46.9	Pass
							<b>RATING =</b>	<b>46.9</b>	<b>Pass</b>

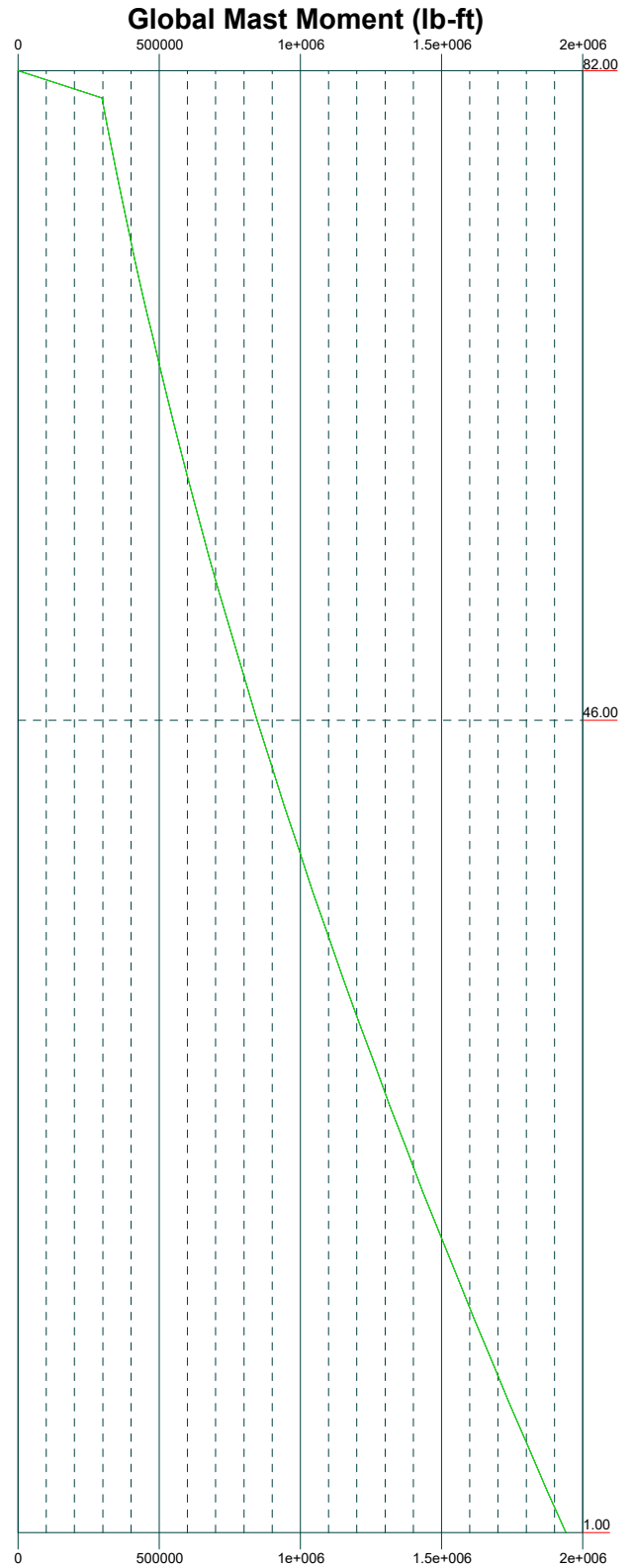
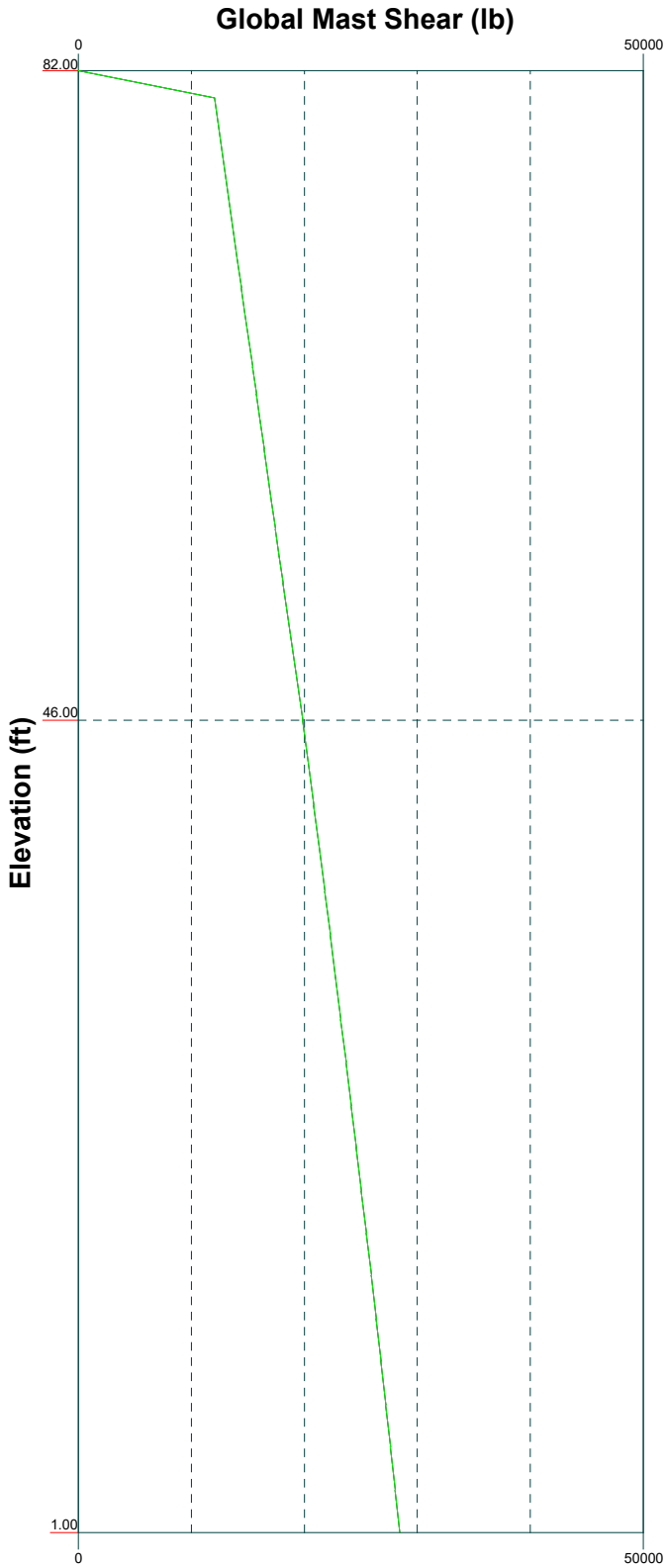
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Vx

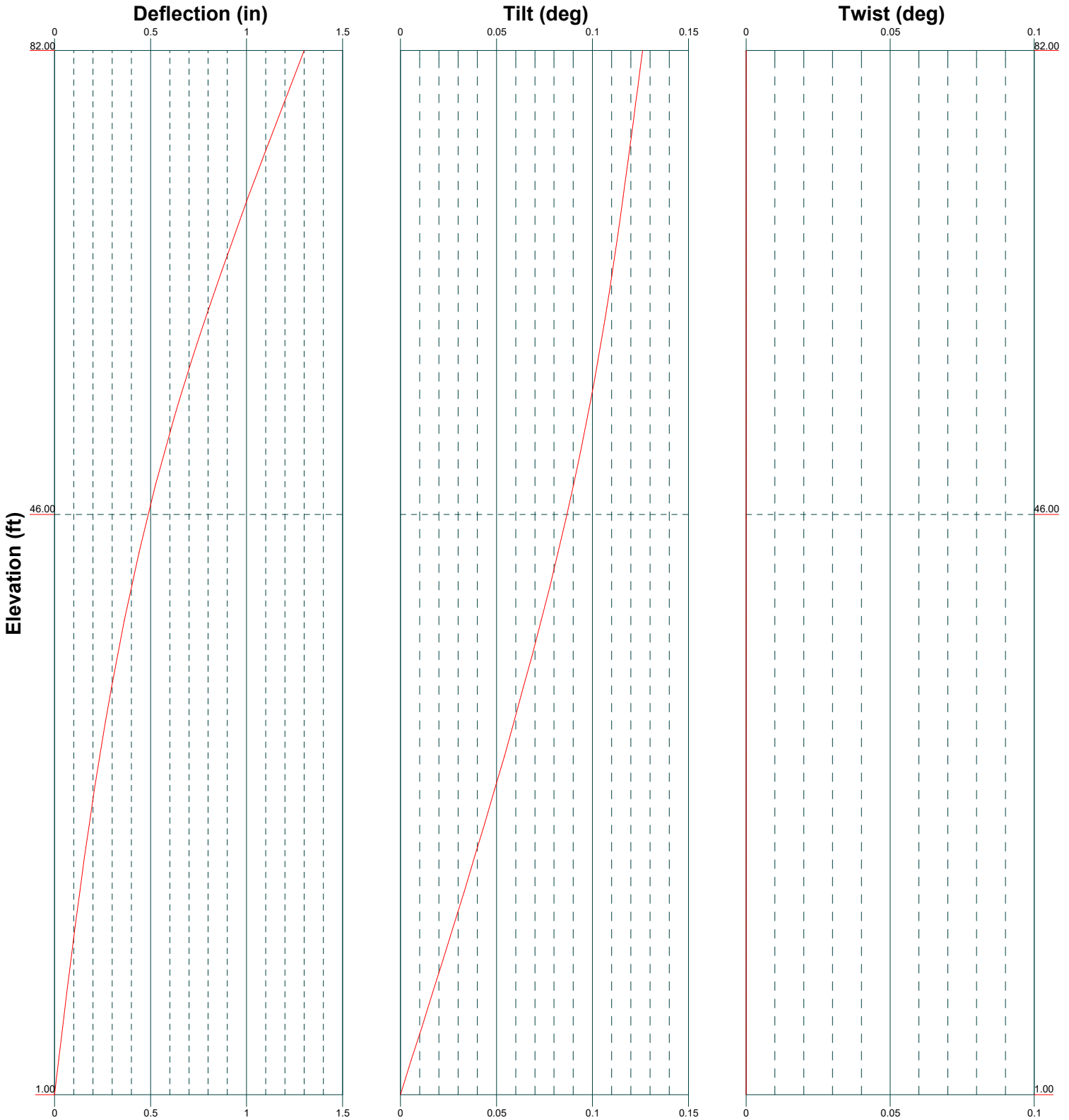
Vz


Mx

Mz



<p><b>Vector Structural Engineering</b>                  651 West Galena Park BLVD                  Draper, UT 84020                  Phone: (801) 990-1775                  FAX:</p>	Job: <b>Ft. Pierce Orave Ave</b>		
	Project: <b>U0142-705-181</b>		
	Client: <b>STEALTH® Concealment Solutions</b>	Drawn by: <b>dfoulger</b>	App'd:
	Code: <b>TIA-222-G</b>	Date: <b>09/13/18</b>	Scale: <b>NTS</b>
	Path:	Dwg No. <b>E-4</b>	



 <p><b>Vector Structural Engineering</b> 651 West Galena Park BLVD Draper, UT 84020 Phone: (801) 990-1775 FAX:</p>	<b>Job: Ft. Pierce Orave Ave</b>		
	Project: <b>U0142-705-181</b>		
	Client: <b>STEALTH® Concealment Solutions</b>	Drawn by: <b>dfoulger</b>	App'd:
	Code: <b>TIA-222-G</b>	Date: <b>09/13/18</b>	Scale: <b>NTS</b>
	Path:		Dwg No. <b>E-5</b>

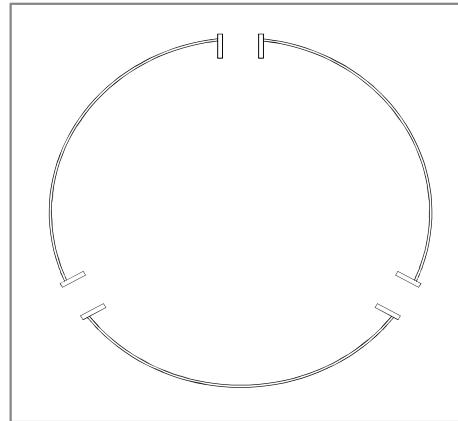
**PROJECT: FT. PIERCE ORANGE AVE**

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Label: Ports at 80 ft A.G.L.

Geometry Input

Pole Diameter	50.35	in
Pole Thickness	0.3125	in
Pole Yield Strength	65	ksi
Effective Reinforcing Rims?	No	
Rim Yield Strength	50	ksi
# of Ports	3	



	<u>Port 1</u>	<u>Port 2</u>	<u>Port 3</u>
Azimuth (°)	0	120	240
Height (in)	12	12	12
Width (in)	6	6	6
Depth (in)	3.5	3.5	3.5
Thickness (in)	0.625	0.625	0.625
Projection (in)	0.5	0.5	0.5
Port Weight (lbs)	48		

Composite Section Properties

	<u>Original</u>	<u>w/ ports</u>	
A	49	43	in2
Ixx	15375	13567	in4
Iyy	15375	13567	in4
Smin	611	528	in3

Port Check

Pole unity at port location		
from tower model:	11%	(optional)
Rim Fy Reduction:	100%	(rims not considered in section properties)
Result:	<b>12%</b>	

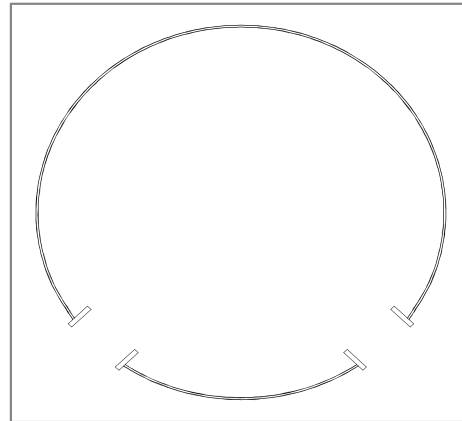
**PROJECT: FT. PIERCE ORANGE AVE**

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Label: Ports at 8 ft A.G.L.

Geometry Input

Pole Diameter	59.88	in
Pole Thickness	0.3125	in
Pole Yield Strength	65	ksi
Effective Reinforcing Rims?	Yes	
Rim Yield Strength	50	ksi
# of Ports	2	



	<u>Port 1</u>	<u>Port 2</u>
Azimuth (°)	135	225
Height (in)	25	25
Width (in)	10.5	10.5
Depth (in)	4	4
Thickness (in)	0.75	0.75
Projection (in)	0.5	0.5
Port Weight (lbs)	72	

Composite Section Properties

	<u>Original</u>	<u>w/ ports</u>	
A	58	64	in <sup>2</sup>
Ixx	25940	27770	in <sup>4</sup>
Iyy	25940	27650	in <sup>4</sup>
Smin	866	908	in <sup>3</sup>

Port Check

Pole unity at port location	
from tower model:	45% (optional)
Rim Fy Reduction:	77%
Result:	55%

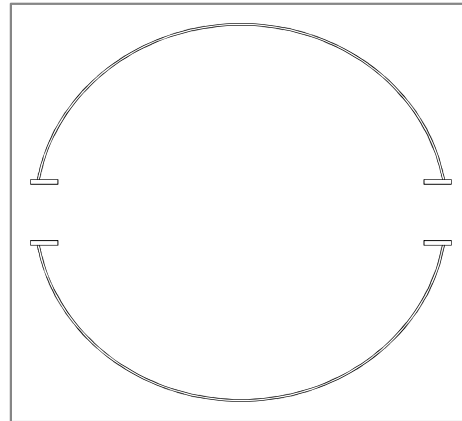
**PROJECT: FT. PIERCE ORANGE AVE**

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Label: Ports at 4 ft A.G.L.

Geometry Input

Pole Diameter	60.44	in
Pole Thickness	0.3125	in
Pole Yield Strength	65	ksi
Effective Reinforcing Rims?	Yes	
Rim Yield Strength	50	ksi
# of Ports	2	



	<u>Port 1</u>	<u>Port 2</u>
Azimuth (°)	90	270
Height (in)	25	25
Width (in)	10.5	10.5
Depth (in)	4	4
Thickness (in)	0.75	0.75
Projection (in)	0.5	0.5
Port Weight (lbs)	73	

Composite Section Properties

	<u>Original</u>	<u>w/ ports</u>	
A	59	64	in2
Ixx	26678	26720	in4
Iyy	26678	30539	in4
Smin	883	870	in3

Port Check

Pole unity at port location	
from tower model:	47% (optional)
Rim Fy Reduction:	77%
Result:	<b>62%</b>

# Stiffened or Unstiffened, UngROUTED, Circular Base Plate - Any Rod Material

## TIA Rev G

### Site Data

Project #: U0142-705-181  
 Site Name: FT. PIERCE ORANGE AVE

Pole Manufacturer: **Other**

Reactions		
Mu:	1954	ft-kips
Axial, Pu:	40.0	kips
Shear, Vu:	28.5	kips

Anchor Rod Data		
Qty:	8	
Diam:	2.25	in
Rod Material:	A615-J	
Strength (Fu):	100	ksi
Yield (Fy):	75	ksi
Bolt Circle:	68	in

If No stiffeners, Criteria: **AISC LRFD** <-Only Applicable to Unstiffened Cases

### Anchor Rod Results

Max Rod (Cu+ Vu/η): 184.6 Kips  
 Allowable Axial,  $\Phi^*Fu^*Anet$ : 260.0 Kips  
 Anchor Rod Stress Ratio: 71.0% **Pass**

Rigid
AISC LRFD
$\phi^*Tn$

Plate Data		
Diam:	74	in
Thick:	2	in
Grade:	50	ksi
Single-Rod B-eff:	16.82	in

### Base Plate Results

Base Plate Stress: 32.3 ksi  
 Allowable Plate Stress: 45.0 ksi  
 Base Plate Stress Ratio: 71.8% **Pass**

Flexural Check

Rigid
AISC LRFD
$\phi^*Fy$
Y.L. Length: 20.00

Stiffener Data (Welding at both sides)		
Config:	0	*
Weld Type:	Fillet	
Groove Depth:	0.25	<-- Disregard
Groove Angle:	45	<-- Disregard
Fillet H. Weld:	0.25	in
Fillet V. Weld:	0.3125	in
Width:	5	in
Height:	18	in
Thick:	0.75	in
Notch:	0.5	in
Grade:	36	ksi
Weld str.:	70	ksi

n/a

### Stiffener Results

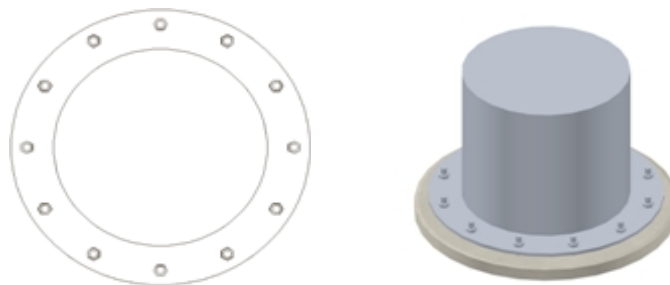
Horizontal Weld : n/a  
 Vertical Weld: n/a  
 Plate Flex+Shear,  $fb/Fb+(fv/Fv)^2$ : n/a  
 Plate Tension+Shear,  $ft/Ft+(fv/Fv)^2$ : n/a  
 Plate Comp. (AISC Bracket): n/a

### Pole Results

Pole Punching Shear Check: n/a

Note: images below are for illustration only and may not reflect actual bolt quantity, etc.

Pole Data		
Diam:	60.715	in
Thick:	0.3125	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round
Fu	80	ksi
Reinf. Fillet Weld	0.25	"0" if None



\* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

\*\* Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes



JOB NO.: U0142-705-181

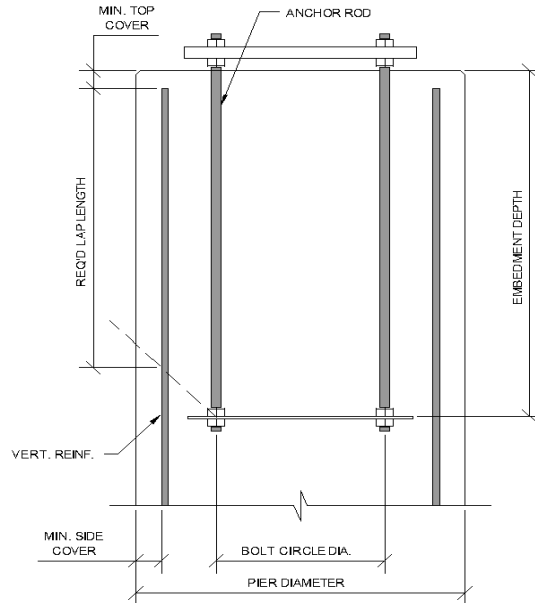
PROJECT: FT. PIERCE ORANGE AVE

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# Foundation Design

### Anchorage Embedment Design

Vertical Bar Size:	#8	
Conc. Comp. Strength:	4000	psi
Pier Diameter:	7.5	ft
Pier Depth:	35	ft
Top of Pier Elevation:	6	inches
Concrete Volume	58.1	yards
Side Conc. Cover:	4	inches
Top Conc. Cover:	3	inches
Bolt Circle Dia.:	68	inches
Horizontal Tie Size:	#4	
# Anchor Rods:	8	
Anchor Rod Dia:	2.25	inches
$\psi_t$ (bar loc. factor):	1.0	ACI 12.2.4a
$\psi_e$ (epoxy coating factor):	1.0	ACI 12.2.4b
$\psi_s$ (bar size factor):	1.0	ACI 12.2.4.c
$\lambda$ (concrete type factor):	1.0	ACI 12.2.4.d
Bar Diameter:	1.0	in
Horiz. Tie Diameter:	0.5	in
Min.Clr Dist. Btwn Anchor & Vert:	4.4	in
Req'd Lap Length:	37.0	in ACI 12.2.2
<b>Min. Required Embedment Depth:</b>	<b>46.0</b>	<b>in</b>

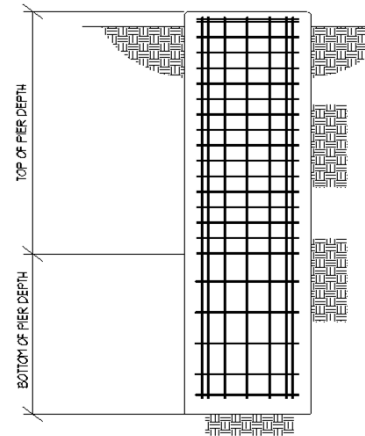


Required Lap Length + Max distance between anchor and rod + 0.5\*Bar diameter + 0.5\*Anchor diameter + Top cover

### Transverse Reinforcement Design

(see IBC Sections 1810.3.9.4.1 and 1810.3.9.4.2)

Seismic Design Category:	A
Site Class:	D
Type of Transverse Reinforcement:	Spiral
Transverse $f_{yt}$ :	60 ksi
Seismic Hooks Required?	No
Tie Size OK?	Yes
Spacing at Top of Pier:	6 in
Spacing at Bottom of Pier:	16 in
Total Pier Length	35.5 ft
Top Pier Length:	22.5 ft
Bottom Pier Length:	13 ft





JOB NO.: U0142-705-181

PROJECT: FT. PIERCE ORANGE AVE

### Drilled Pier Design

Design Methodology:

LRFD

**Design Loads:**

For ASD methodology, input ASD loads.

For LRFD methodology, input LRFD loads divided by  $\Phi_s = 0.75$

**Design Loads:**

Max. Shear, V =

37.9 k  
2,605.8 k-ft

Max. Down,  $P_{down}$  =

53.4 k  
0.0 k

Max. Uplift,  $P_{uplift}$  (opt'l) =

**Pier Properties:**

Pier Shape

Round

Pier Diameter, b:

7.5 ft

Min. Pier Diameter,  $b_{min}$  (opt'l):

ft

Top of Pier Elevation:

0.50 ft

Pier Depth, d:

35.0 ft

Volume of Concrete:

1568 ft<sup>3</sup>

Volume of Concrete:

58.1 yd<sup>3</sup>

Weight of Concrete:

235.3 k

**Soil Properties:**

Allow. Bearing Pressure:

3,500 psf

Factor of Safety:

5

1/3 increase for short term loads?

No

Optional Parameters for Uplift:

Skin Friction:

170 psf

Factor of Safety:

2

Top Length to Ignore:

6.0 ft

1/3 increase for short term loads?

No

Combine w/ Bearing:

Yes

**Check Bearing:**

Bearing Capacity:

1,005.4 k

**Bearing capacity OK.**

**Check Uplift:**

Uplift Capacity:

444.0 k

**Uplift capacity OK.**

**Check Lateral Bearing:**

See Lpile analysis

lpileInputFile.lp10o

LPIle for Windows, Version 2018-10.006

Analysis of Individual Piles and Drilled Shafts  
Subjected to Lateral Loading Using the p-y Method  
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Files Used for Analysis

Path to file locations:  
\\vectordc.vector.local\projects\$\2018 Projects\U0142 STEALTH\U0142-705-181 Ft.  
Pierce Orange Ave. RG18-01105W-05 (FL, top section, base pole, FND, FZ  
letter)\ENG\Base Pole and FND\

Name of input data file:  
lpileInputFile.lp10

Name of output report file:  
lpileInputFile.lp10

Name of plot output file:  
lpileInputFile.lp10

Name of runtime message file:  
lpileInputFile.lp10

lpileInputFile.lp10o

Date and Time of Analysis

Date: September 13, 2018 Time: 13:56:32

Problem Title

Project Name: FT. PIERCE ORANGE AVE

Job Number: U0142-705-181

Client: STEALTH® Concealment Solutions

Engineer: DJF

Description: 0

Program Options and Settings

Computational Options:  
- Use unfactored loads in computations (conventional analysis)  
Engineering Units Used for Data Input and Computations:  
- US Customary System Units (pounds, feet, inches)

Analysis Control Options:  
- Maximum number of iterations allowed = 500  
- Deflection tolerance for convergence = 1.0000E-05 in  
- Maximum allowable deflection = 100.0000 in

lpileInputFile.lp100  
- Number of pile increments = 100

Loading Type and Number of Cycles of Loading:  
- Static loading specified

- Use of p-y modification factors for p-y curves not selected
- Analysis uses layering correction (Method of Georgiadis)
- No distributed lateral loads are entered
- Loading by lateral soil movements acting on pile not selected
- Input of shear resistance at the pile tip not selected
- Computation of pile-head foundation stiffness matrix not selected
- Push-over analysis of pile not selected
- Buckling analysis of pile not selected

Output Options:

- Output files use decimal points to denote decimal symbols.
- Values of pile-head deflection, bending moment, shear force, and soil reaction are printed for full length of pile.
- Printing Increment (nodal spacing of output points) = 1
- No p-y curves to be computed and reported for user-specified depths
- Print using wide report formats

-----  
Pile Structural Properties and Geometry  
-----

Number of pile sections defined = 1  
Total length of pile = 35.500 ft  
Depth of ground surface below top of pile = 0.5000 ft

Pile diameters used for p-y curve computations are defined using 2 points.

p-y curves are computed using pile diameter values interpolated with depth over the length of the pile. A summary of values of pile diameter vs. depth follows.

Point No.	Depth Below Pile Head feet	Pile Diameter inches
1	0.000	90.0000
2	35.500	90.0000

Input Structural Properties for Pile Sections:  
-----

lpileInputFile.lp100

Pile Section No. 1:

Section 1 is a round drilled shaft, bored pile, or CIDH pile

Length of section = 35.500000 ft  
Shaft Diameter = 90.000000 in  
Shear capacity of section = 0.0000 lbs

-----  
Ground Slope and Pile Batter Angles  
-----

Ground Slope Angle = 0.000 degrees  
= 0.000 radians  
Pile Batter Angle = 0.000 degrees  
= 0.000 radians

-----  
Soil and Rock Layering Information  
-----

The soil profile is modelled using 6 layers

Layer 1 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 0.500000 ft  
Distance from top of pile to bottom of layer = 3.250000 ft  
Effective unit weight at top of layer = 110.000000 pcf  
Effective unit weight at bottom of layer = 110.000000 pcf  
Friction angle at top of layer = 30.000000 deg.  
Friction angle at bottom of layer = 30.000000 deg.  
Subgrade k at top of layer = 35.000000 pci  
Subgrade k at bottom of layer = 35.000000 pci

Layer 2 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 3.250000 ft  
Distance from top of pile to bottom of layer = 6.500000 ft  
Effective unit weight at top of layer = 47.600000 pcf  
Effective unit weight at bottom of layer = 47.600000 pcf  
Friction angle at top of layer = 30.000000 deg.  
Friction angle at bottom of layer = 30.000000 deg.

lpileInputFile.lp10o  
 Subgrade k at top of layer = 35.000000 pci  
 Subgrade k at bottom of layer = 35.000000 pci

Layer 3 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 6.500000 ft  
 Distance from top of pile to bottom of layer = 18.500000 ft  
 Effective unit weight at top of layer = 52.600000 pcf  
 Effective unit weight at bottom of layer = 52.600000 pcf  
 Friction angle at top of layer = 32.000000 deg.  
 Friction angle at bottom of layer = 32.000000 deg.  
 Subgrade k at top of layer = 100.000000 pci  
 Subgrade k at bottom of layer = 100.000000 pci

Layer 4 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 18.500000 ft  
 Distance from top of pile to bottom of layer = 28.500000 ft  
 Effective unit weight at top of layer = 47.600000 pcf  
 Effective unit weight at bottom of layer = 47.600000 pcf  
 Friction angle at top of layer = 30.000000 deg.  
 Friction angle at bottom of layer = 30.000000 deg.  
 Subgrade k at top of layer = 170.000000 pci  
 Subgrade k at bottom of layer = 170.000000 pci

Layer 5 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 28.500000 ft  
 Distance from top of pile to bottom of layer = 38.500000 ft  
 Effective unit weight at top of layer = 47.600000 pcf  
 Effective unit weight at bottom of layer = 47.600000 pcf  
 Friction angle at top of layer = 30.000000 deg.  
 Friction angle at bottom of layer = 30.000000 deg.  
 Subgrade k at top of layer = 240.000000 pci  
 Subgrade k at bottom of layer = 240.000000 pci

Layer 6 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 38.500000 ft  
 Distance from top of pile to bottom of layer = 50.500000 ft  
 Effective unit weight at top of layer = 62.600000 pcf  
 Effective unit weight at bottom of layer = 62.600000 pcf  
 Friction angle at top of layer = 34.000000 deg.  
 Friction angle at bottom of layer = 34.000000 deg.

lpileInputFile.lp10o  
 Subgrade k at top of layer = 415.000000 pci  
 Subgrade k at bottom of layer = 415.000000 pci

(Depth of the lowest soil layer extends 15.000 ft below the pile tip)

-----  
 Summary of Input Soil Properties  
 -----

Layer Layer Num.	Soil Type Name (p-y Curve Type)	Layer Depth ft	Effective Unit Wt. pcf	Angle of Friction deg.	kpy pci
1	Sand (Reese, et al.)	0.5000 3.2500	110.0000 110.0000	30.0000 30.0000	35.0000 35.0000
2	Sand (Reese, et al.)	3.2500 6.5000	47.6000 47.6000	30.0000 30.0000	35.0000 35.0000
3	Sand (Reese, et al.)	6.5000 18.5000	52.6000 52.6000	32.0000 32.0000	100.0000 100.0000
4	Sand (Reese, et al.)	18.5000 28.5000	47.6000 47.6000	30.0000 30.0000	170.0000 170.0000
5	Sand (Reese, et al.)	28.5000 38.5000	47.6000 47.6000	30.0000 30.0000	240.0000 240.0000
6	Sand (Reese, et al.)	38.5000 50.5000	62.6000 62.6000	34.0000 34.0000	415.0000 415.0000

-----  
 Static Loading Type  
 -----

Static loading criteria were used when computing p-y curves for all analyses.

-----  
 Pile-head Loading and Pile-head Fixity Conditions  
 -----

Number of loads specified = 3

Load Compute Top y No.	Load Type	Condition 1	Condition 2	Axial Thrust Force, lbs
				vs. Pile Length

lpileInputFile.lp10o

1	1	V =	47437. lbs	M =	39087000. in-lbs	66738.
No						
2	1	V =	21347. lbs	M =	17589150. in-lbs	41711.
No						
3	1	V =	9065. lbs	M =	7452106. in-lbs	80673.
No						

V = shear force applied normal to pile axis  
M = bending moment applied to pile head  
y = lateral deflection normal to pile axis  
S = pile slope relative to original pile batter angle  
R = rotational stiffness applied to pile head  
Values of top y vs. pile lengths can be computed only for load types with specified shear loading (Load Types 1, 2, and 3).  
Thrust force is assumed to be acting axially for all pile batter angles.

-----  
Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness  
-----

Axial thrust force values were determined from pile-head loading conditions

Number of Pile Sections Analyzed = 1

Pile Section No. 1:  
-----

Dimensions and Properties of Drilled Shaft (Bored Pile):  
-----

Length of Section	=	35.500000 ft
Shaft Diameter	=	90.000000 in
Concrete Cover Thickness (to edge of long. rebar)	=	4.500000 in
Number of Reinforcing Bars	=	42 bars
Yield Stress of Reinforcing Bars	=	60000. psi
Modulus of Elasticity of Reinforcing Bars	=	29000000. psi
Gross Area of Shaft	=	6362. sq. in.
Total Area of Reinforcing Steel	=	33.180000 sq. in.
Area Ratio of Steel Reinforcement	=	0.52 percent
Edge-to-Edge Bar Spacing	=	4.978407 in
Maximum Concrete Aggregate Size	=	0.750000 in
Ratio of Bar Spacing to Aggregate Size	=	6.64
Offset of Center of Rebar Cage from Center of Pile	=	0.0000 in

lpileInputFile.lp10o

Axial Structural Capacities:  
-----

Nom. Axial Structural Capacity = 0.85 Fc Ac + Fy As	=	23507.853 kips
Tensile Load for Cracking of Concrete	=	-2743.114 kips
Nominal Axial Tensile Capacity	=	-1990.800 kips

Reinforcing Bar Dimensions and Positions Used in Computations:

Bar Number	Bar Diam. inches	Bar Area sq. in.	X inches	Y inches
1	1.000000	0.790000	40.000000	0.000000
2	1.000000	0.790000	39.553233	5.961691
3	1.000000	0.790000	38.222912	11.790207
4	1.000000	0.790000	36.038755	17.355350
5	1.000000	0.790000	33.049551	22.532802
6	1.000000	0.790000	29.322075	27.206910
7	1.000000	0.790000	24.939592	31.273259
8	1.000000	0.790000	20.000000	34.641016
9	1.000000	0.790000	14.613641	37.234950
10	1.000000	0.790000	8.900837	38.997116
11	1.000000	0.790000	2.989204	39.888152
12	1.000000	0.790000	-2.989204	39.888152
13	1.000000	0.790000	-8.900837	38.997116
14	1.000000	0.790000	-14.613641	37.234950
15	1.000000	0.790000	-20.000000	34.641016
16	1.000000	0.790000	-24.939592	31.273259
17	1.000000	0.790000	-29.322075	27.206910
18	1.000000	0.790000	-33.049551	22.532802
19	1.000000	0.790000	-36.038755	17.355350
20	1.000000	0.790000	-38.222912	11.790207
21	1.000000	0.790000	-39.553233	5.961691
22	1.000000	0.790000	-40.000000	0.000000
23	1.000000	0.790000	-39.553233	-5.961691
24	1.000000	0.790000	-38.222912	-11.790207
25	1.000000	0.790000	-36.038755	-17.355350
26	1.000000	0.790000	-33.049551	-22.532802
27	1.000000	0.790000	-29.322075	-27.206910
28	1.000000	0.790000	-24.939592	-31.273259
29	1.000000	0.790000	-20.000000	-34.641016
30	1.000000	0.790000	-14.613641	-37.234950
31	1.000000	0.790000	-8.900837	-38.997116
32	1.000000	0.790000	-2.989204	-39.888152
33	1.000000	0.790000	2.989204	-39.888152
34	1.000000	0.790000	8.900837	-38.997116
35	1.000000	0.790000	14.613641	-37.234950

```

lpileInputFile.lp10o
36      1.000000      0.790000      20.000000      -34.641016
37      1.000000      0.790000      24.939592      -31.273259
38      1.000000      0.790000      29.322075      -27.206910
39      1.000000      0.790000      33.049551      -22.532802
40      1.000000      0.790000      36.038755      -17.355350
41      1.000000      0.790000      38.222912      -11.790207
42      1.000000      0.790000      39.553233      -5.961691

```

NOTE: The positions of the above rebars were computed by LPile

Minimum spacing between any two bars not equal to zero = 4.978 inches  
between bars 1 and 42.

Ratio of bar spacing to maximum aggregate size = 6.64

Concrete Properties:

```

-----
Compressive Strength of Concrete      =      4000. psi
Modulus of Elasticity of Concrete    =      3604997. psi
Modulus of Rupture of Concrete       =     -474.341649 psi
Compression Strain at Peak Stress    =      0.001886
Tensile Strain at Fracture of Concrete =     -0.0001154
Maximum Coarse Aggregate Size       =      0.750000 in

```

Number of Axial Thrust Force Values Determined from Pile-head Loadings = 3

Number	Axial Thrust Force kips
1	41.711
2	66.738
3	80.673

Definitions of Run Messages and Notes:

```

-----
C = concrete in section has cracked in tension.
Y = stress in reinforcing steel has reached yield stress.
T = ACI 318 criteria for tension-controlled section met, tensile strain in
reinforcement exceeds 0.005 while simultaneously compressive strain in
concrete more than 0.003. See ACI 318, Section 10.3.4.
Z = depth of tensile zone in concrete section is less than 10 percent of
section depth.

```

lpileInputFile.lp10o

Bending Stiffness (EI) = Computed Bending Moment / Curvature.  
Position of neutral axis is measured from edge of compression side of pile.  
Compressive stresses and strains are positive in sign.  
Tensile stresses and strains are negative in sign.

Axial Thrust Force = 41.711 kips

Bending Max Conc Curvature Stress rad/in. ksi	Bending Max Steel Moment Stress in-kip ksi	Bending Run Stiffness Msg kip-in2	Depth to N Axis in	Max Comp Strain in/in	Max Tens Strain in/in
3.12500E-07	4464.	1.42833E+10	49.8156169	0.00001557	-0.00001256
0.0651600	0.4473759				
6.25000E-07	8906.	1.42496E+10	47.4151964	0.00002963	-0.00002662
0.1235235	0.8512442				
9.37500E-07	13327.	1.42155E+10	46.6150960	0.00004370	-0.00004067
0.1814512	1.2551135				
0.00000125	17727.	1.41813E+10	46.2150707	0.00005777	-0.00005473
0.2389429	1.6589838				
0.00000156	22105.	1.41471E+10	45.9750745	0.00007184	-0.00006879
0.2959986	2.0628549				
0.00000188	26462.	1.41128E+10	45.8150929	0.00008590	-0.00008285
0.3526183	2.4667269				
0.00000219	30797.	1.40786E+10	45.7008339	0.00009997	-0.00009690
0.4088021	2.8705998				
0.00000250	35111.	1.40443E+10	45.6151517	0.0001140	-0.0001110
0.4645499	3.2744735				
0.00000281	35111.	1.24838E+10	20.5681908	0.00005785	-0.0001953
0.2363765	-5.6263288 C				
0.00000313	35111.	1.12355E+10	20.3076974	0.00006346	-0.0002178
0.2588580	-6.2750837 C				
0.00000344	35111.	1.02141E+10	20.0869130	0.00006905	-0.0002403
0.2811646	-6.9246015 C				
0.00000375	35111.	9362887490.	19.9010461	0.00007463	-0.0002629
0.3033758	-7.5743237 C				
0.00000406	35111.	8642665375.	19.7444608	0.00008021	-0.0002854
0.3255318	-8.2239651 C				
0.00000438	35111.	8025332134.	19.6108840	0.00008580	-0.0003080
0.3476325	-8.8735253 C				
0.00000469	35111.	7490309992.	19.4957157	0.00009139	-0.0003305
0.3696778	-9.5230043 C				
0.00000500	35111.	7022165618.	19.3955055	0.00009698	-0.0003530



lpileInputFile.lp10o

1.8368219	-57.3899149	C							
0.00002844	50450.	1774049677.	18.4006484	0.0005233	-0.0020361				
1.8720469	-58.6759809	C							
0.00002906	51515.	1772564879.	18.4053564	0.0005349	-0.0020807				
1.9070306	-59.9615950	C							
0.00002969	52580.	1771114057.	18.4103949	0.0005466	-0.0021253				
1.9417721	-60.0000000	CY							
0.00003031	53644.	1769694940.	18.4157469	0.0005582	-0.0021699				
1.9762705	-60.0000000	CY							
0.00003094	54707.	1768305440.	18.4213972	0.0005699	-0.0022145				
2.0105249	-60.0000000	CY							
0.00003156	55664.	1763605241.	18.4155198	0.0005812	-0.0022594				
2.0434288	-60.0000000	CY							
0.00003219	56482.	1754789259.	18.3950072	0.0005921	-0.0023048				
2.0746509	-60.0000000	CY							
0.00003281	57209.	1743505569.	18.3653922	0.0006026	-0.0023505				
2.1046752	-60.0000000	CY							
0.00003344	57894.	1731399158.	18.3326624	0.0006130	-0.0023964				
2.1340546	-60.0000000	CY							
0.00003406	58519.	1717978095.	18.2947163	0.0006232	-0.0024425				
2.1625762	-60.0000000	CY							
0.00003469	59089.	1703460576.	18.2523630	0.0006331	-0.0024887				
2.1903068	-60.0000000	CY							
0.00003531	59655.	1689333240.	18.2113357	0.0006431	-0.0025350				
2.2178093	-60.0000000	CY							
0.00003594	60175.	1674443763.	18.1669238	0.0006529	-0.0025815				
2.2446153	-60.0000000	CY							
0.00003656	60638.	1658485149.	18.1178119	0.0006624	-0.0026282				
2.2705842	-60.0000000	CY							
0.00003719	61101.	1643053522.	18.0705841	0.0006720	-0.0026749				
2.2963837	-60.0000000	CY							
0.00003969	62718.	1580290132.	17.8729791	0.0007093	-0.0028625				
2.3951307	-60.0000000	CY							
0.00004219	64101.	1519436274.	17.6769522	0.0007457	-0.0030511				
2.4885284	-60.0000000	CY							
0.00004469	65238.	1459880702.	17.4741378	0.0007809	-0.0032410				
2.5758802	-60.0000000	CY							
0.00004719	66234.	1403636747.	17.2704303	0.0008149	-0.0034319				
2.6580389	-60.0000000	CY							
0.00004969	67087.	1350179964.	17.0729498	0.0008483	-0.0036236				
2.7360666	-60.0000000	CY							
0.00005219	67897.	1301029259.	16.8913751	0.0008815	-0.0038154				
2.8113938	-60.0000000	CY							
0.00005469	68537.	1253255736.	16.7078269	0.0009137	-0.0040082				
2.8821305	-60.0000000	CY							
0.00005719	69157.	1209296538.	16.5313178	0.0009454	-0.0042015				
2.9495778	-60.0000000	CY							
0.00005969	69762.	1168784560.	16.3655354	0.0009768	-0.0043951				

lpileInputFile.lp10o

3.0144166	-60.0000000	CY							
0.00006219	70219.	1129154989.	16.1949388	0.0010071	-0.0045898				
3.0748901	-60.0000000	CY							
0.00006469	70658.	1092297368.	16.0366604	0.0010374	-0.0047845				
3.1333383	-60.0000000	CY							
0.00006719	71095.	1058154050.	15.8914527	0.0010677	-0.0049792				
3.1900451	-60.0000000	CY							
0.00006969	71529.	1026430290.	15.7579003	0.0010981	-0.0051737				
3.2449922	-60.0000000	CY							
0.00007219	71873.	995649181.	15.6118467	0.0011270	-0.0053699				
3.2952168	-60.0000000	CY							
0.00007469	72168.	966265886.	15.4688951	0.0011553	-0.0055665				
3.3428562	-60.0000000	CY							
0.00007719	72461.	938767406.	15.3362250	0.0011838	-0.0057631				
3.3889594	-60.0000000	CY							
0.00007969	72753.	912976090.	15.2128789	0.0012123	-0.0059596				
3.4335131	-60.0000000	CY							
0.00008219	73043.	888735901.	15.0980161	0.0012409	-0.0061560				
3.4765039	-60.0000000	CY							
0.00008469	73332.	865909219.	14.9908951	0.0012695	-0.0063523				
3.5179182	-60.0000000	CY							
0.00008719	73566.	843764897.	14.8825669	0.0012976	-0.0065493				
3.5567218	-60.0000000	CY							
0.00008969	73760.	822413964.	14.7683890	0.0013245	-0.0067473				
3.5924553	-60.0000000	CY							
0.00009219	73946.	802130888.	14.6571716	0.0013512	-0.0069457				
3.6263012	-60.0000000	CY							
0.00009469	74132.	782907359.	14.5526048	0.0013779	-0.0071439				
3.6587714	-60.0000000	CY							
0.00009719	74316.	764661452.	14.4541830	0.0014048	-0.0073421				
3.6898539	-60.0000000	CY							
0.00009969	74498.	747319460.	14.3614516	0.0014317	-0.0075402				
3.7195367	-60.0000000	CY							
0.0001022	74680.	730814885.	14.2740006	0.0014586	-0.0077383				
3.7478077	-60.0000000	CY							
0.0001047	74861.	715087577.	14.1914595	0.0014857	-0.0079362				
3.7746544	-60.0000000	CY							
0.0001072	75025.	699945982.	14.1108833	0.0015125	-0.0081344				
3.7997989	-60.0000000	CY							
0.0001097	75180.	685404448.	14.0331516	0.0015393	-0.0083326				
3.8233754	-60.0000000	CY							
0.0001122	75302.	671219679.	13.9539371	0.0015655	-0.0085314				
3.8450124	-60.0000000	CY							
0.0001147	75413.	657549534.	13.8694511	0.0015907	-0.0087312				
3.8644560	-60.0000000	CY							
0.0001172	75522.	644451897.	13.7887112	0.0016159	-0.0089310				
3.8826089	-60.0000000	CY							
0.0001197	75630.	631894301.	13.7119400	0.0016411	-0.0091307				

lpileInputFile.lp10o					
3.8995053	-60.0000000	CY			
0.0001222	75737.		619843500.	13.6389001	0.0016665
3.9151339	-60.0000000	CY			-0.0093304
0.0001247	75844.		608268909.	13.5693733	0.0016919
3.9294835	-60.0000000	CY			-0.0095299
0.0001272	75949.		597142349.	13.5031587	0.0017174
3.9425425	-60.0000000	CY			-0.0097294
0.0001297	76054.		586437810.	13.4400713	0.0017430
3.9542992	-60.0000000	CY			-0.0099289
0.0001322	76157.		576131249.	13.3799398	0.0017687
3.9647417	-60.0000000	CY			-0.0101282
0.0001347	76260.		566200405.	13.3226064	0.0017944
3.9738577	-60.0000000	CY			-0.0103275
0.0001372	76362.		556624515.	13.2679208	0.0018202
3.9816347	-60.0000000	CY			-0.0105267
0.0001522	76813.		504726205.	12.9494098	0.0019707
3.9949889	-60.0000000	CY			-0.0117261
0.0001672	77130.		461336464.	12.6617596	0.0021169
3.9984594	-60.0000000	CY			-0.0129300
0.0001822	77420.		424946994.	12.4369309	0.0022659
3.9989652	60.0000000	CY			-0.0141310
0.0001972	77677.		393924707.	12.2566839	0.0024169
3.9907828	60.0000000	CY			-0.0153300
0.0002122	77857.		366923256.	12.0873613	0.0025648
3.9968254	60.0000000	CY			-0.0165321
0.0002272	77967.		343181880.	11.9190820	0.0027079
3.9890894	60.0000000	CY			-0.0177390
0.0002422	78071.		322355717.	11.7773068	0.0028523
3.9997533	60.0000000	CY			-0.0189446
0.0002572	78165.		303920571.	11.6597117	0.0029987
3.9777862	60.0000000	CY			-0.0201481
0.0002722	78254.		287498954.	11.5594953	0.0031464
3.9914420	60.0000000	CYT			-0.0213505
0.0002872	78338.		272777754.	11.4736030	0.0032951
3.9998166	60.0000000	CYT			-0.0225518
0.0003022	78410.		259474355.	11.3996081	0.0034448
3.9803357	60.0000000	CYT			-0.0237521
0.0003172	78472.		247399530.	11.3332118	0.0035948
3.9756853	60.0000000	CYT			-0.0249521
0.0003322	78521.		236376659.	11.2775944	0.0037463
3.9922007	60.0000000	CYT			-0.0261506
0.0003472	78531.		226191870.	11.2152783	0.0038938
3.9993784	60.0000000	CYT			-0.0273531

Axial Thrust Force = 66.738 kips

Bending      Bending      Bending      Depth to      Max Comp      Max Tens

lpileInputFile.lp10o						
Max Conc	Max Steel	Run	Stiffness	N Axis	Strain	Strain
Curvature	Moment	Msg	kip-in2	in	in/in	in/in
rad/in.	in-kip					
ksi	ksi					
3.12500E-07	4463.		1.42818E+10	52.7052183	0.00001647	-0.00001165
0.0689575	0.4735629					
6.25000E-07	8905.		1.42488E+10	48.8643650	0.00003054	-0.00002571
0.1273042	0.8775104					
9.37500E-07	13327.		1.42149E+10	47.5841670	0.00004461	-0.00003976
0.1852150	1.2814602					
0.00000125	17726.		1.41809E+10	46.9441122	0.00005868	-0.00005382
0.2426897	1.6854116					
0.00000156	22104.		1.41467E+10	46.5601110	0.00007275	-0.00006787
0.2997284	2.0893644					
0.00000188	26461.		1.41126E+10	46.3041365	0.00008682	-0.00008193
0.3563310	2.4933187					
0.00000219	30796.		1.40784E+10	46.1213196	0.0001009	-0.00009598
0.4124975	2.8972743					
0.00000250	35110.		1.40441E+10	45.9842261	0.0001150	-0.0001100
0.4682280	3.3012314					
0.00000281	35110.		1.24837E+10	22.1180073	0.00006221	-0.0001909
0.2542872	-5.4999220 C					
0.00000313	35110.		1.12353E+10	21.7225604	0.00006788	-0.0002134
0.2769712	-6.1468617 C					
0.00000344	35110.		1.02139E+10	21.3970091	0.00007355	-0.0002358
0.2995582	-6.7940013 C					
0.00000375	35110.		9362753767.	21.1251917	0.00007922	-0.0002583
0.3220685	-7.4411979 C					
0.00000406	35110.		8642541939.	20.8848624	0.00008484	-0.0002808
0.3443400	-8.0896115 C					
0.00000438	35110.		8025217514.	20.6794920	0.00009047	-0.0003033
0.3665549	-8.7379457 C					
0.00000469	35110.		7490203013.	20.5020902	0.00009610	-0.0003258
0.3887131	-9.3862002 C					
0.00000500	35110.		7022065325.	20.3474141	0.0001017	-0.0003483
0.4108146	-10.0343749 C					
0.00000531	35110.		6609002659.	20.2093356	0.0001074	-0.0003708
0.4328143	-10.6827961 C					
0.00000563	35110.		6241835844.	20.0823483	0.0001130	-0.0003933
0.4546509	-11.3319107 C					
0.00000594	35110.		5913318168.	19.9692073	0.0001186	-0.0004158
0.4764317	-11.9809427 C					
0.00000625	35110.		5617652260.	19.8678370	0.0001242	-0.0004383
0.4981567	-12.6298920 C					
0.00000656	35110.		5350145010.	19.7765568	0.0001298	-0.0004608





lpileInputFile.lp10o						
3.9697281	-60.0000000	CY				
0.0001347	77128.		572645074.	13.4195071	0.0018074	-0.0103144
3.9781411	-60.0000000	CY				
0.0001372	77229.		562946166.	13.3634421	0.0018333	-0.0105136
3.9852076	-60.0000000	CY				
0.0001522	77697.		510533218.	13.0531483	0.0019865	-0.0117103
3.9900391	-60.0000000	CY				
0.0001672	78009.		466595208.	12.7592962	0.0021332	-0.0129137
3.9933468	-60.0000000	CY				
0.0001822	78295.		429752311.	12.5285360	0.0022825	-0.0141143
3.9997905	60.0000000	CY				
0.0001972	78553.		398366217.	12.3449249	0.0024343	-0.0153126
3.9939849	60.0000000	CY				
0.0002122	78740.		371088719.	12.1837546	0.0025852	-0.0165116
3.9904128	60.0000000	CY				
0.0002272	78853.		347081846.	12.0174230	0.0027302	-0.0177167
3.9934771	60.0000000	CY				
0.0002422	78954.		326002341.	11.8717125	0.0028752	-0.0189217
3.9974761	60.0000000	CY				
0.0002572	79045.		307344109.	11.7506395	0.0030221	-0.0201248
3.9788281	60.0000000	CYT				
0.0002722	79132.		290727110.	11.6468955	0.0031701	-0.0213267
3.9954726	60.0000000	CYT				
0.0002872	79214.		275828424.	11.5583892	0.0033194	-0.0225275
3.9963707	60.0000000	CYT				
0.0003022	79286.		262374611.	11.4827239	0.0034699	-0.0237269
3.9724611	60.0000000	CYT				
0.0003172	79347.		250158436.	11.4135214	0.0036202	-0.0249266
3.9833790	60.0000000	CYT				
0.0003322	79393.		239001587.	11.3604087	0.0037738	-0.0261231
3.9965018	60.0000000	CYT				
0.0003472	79408.		228716765.	11.3064882	0.0039255	-0.0273214
3.9974436	60.0000000	CYT				

Axial Thrust Force = 80.673 kips

Bending Max Conc Curvature Stress rad/in. ksi	Bending Max Steel Moment Stress in-kip ksi	Bending Run Stiffness Msg kip-in2	Depth to N Axis in	Max Comp Strain in/in	Max Tens Strain in/in
3.12500E-07	4463.	1.42807E+10	54.3142638	0.00001697	-0.00001115
0.0710714	0.4881449				
6.25000E-07	8905.	1.42482E+10	49.6712903	0.00003104	-0.00002521

lpileInputFile.lp10o						
0.1294085	0.8921359					
9.37500E-07	13326.	1.42145E+10	48.1237582	0.00004512	-0.00003926	
0.1873099	1.2961303					
0.00000125	17726.	1.41806E+10	47.3500491	0.00005919	-0.00005331	
0.2447752	1.7001268					
0.00000156	22104.	1.41465E+10	46.8858638	0.00007326	-0.00006737	
0.3018043	2.1041251					
0.00000188	26461.	1.41124E+10	46.5764385	0.00008733	-0.00008142	
0.3583974	2.5081251					
0.00000219	30796.	1.40782E+10	46.3554477	0.0001014	-0.00009547	
0.4145543	2.9121268					
0.00000250	35110.	1.40440E+10	46.1897282	0.0001155	-0.0001095	
0.4702751	3.3161303					
0.00000281	35110.	1.24835E+10	22.9274320	0.00006448	-0.0001886	
0.2636246	-5.4339032 C					
0.00000313	35110.	1.12352E+10	22.4671824	0.00007021	-0.0002110	
0.2864863	-6.0793803 C					
0.00000344	35110.	1.02138E+10	22.0913941	0.00007594	-0.0002334	
0.3092889	-6.7247798 C					
0.00000375	35110.	9362652629.	21.7653403	0.00008162	-0.0002559	
0.3318247	-7.3715817 C					
0.00000406	35110.	8642448580.	21.4883562	0.00008730	-0.0002783	
0.3542736	-8.0185124 C					
0.00000438	35110.	8025130824.	21.2515601	0.00009298	-0.0003008	
0.3766646	-8.6653645 C					
0.00000469	35110.	7490122103.	21.0414635	0.00009863	-0.0003232	
0.3988946	-9.3128792 C					
0.00000500	35110.	7021989471.	20.8534856	0.0001043	-0.0003457	
0.4209731	-9.9609946 C					
0.00000531	35110.	6608931267.	20.6881434	0.0001099	-0.0003682	
0.4429948	-10.6090298 C					
0.00000563	35110.	6241768419.	20.5416655	0.0001155	-0.0003907	
0.4649596	-11.2569846 C					
0.00000594	35110.	5913254292.	20.4110744	0.0001212	-0.0004132	
0.4868674	-11.9048587 C					
0.00000625	35110.	5617591577.	20.2939881	0.0001268	-0.0004357	
0.5087181	-12.5526521 C					
0.00000656	35110.	5350087216.	20.1850804	0.0001325	-0.0004582	
0.5304236	-13.2010112 C					
0.00000688	35110.	5106901434.	20.0842852	0.0001381	-0.0004807	
0.5520131	-13.8497269 C					
0.00000719	35110.	4884862241.	19.9926558	0.0001437	-0.0005032	
0.5735464	-14.4983589 C					
0.00000750	35110.	4681326314.	19.9090477	0.0001493	-0.0005257	
0.5950237	-15.1469071 C					
0.00000781	35110.	4494073262.	19.8324991	0.0001549	-0.0005482	
0.6164447	-15.7953713 C					
0.00000813	35110.	4321224290.	19.7621965	0.0001606	-0.0005707	



lpileInputFile.lp10o

2.1893413	-60.0000000	CY									
0.00003469	60218.		1736027337.	18.5251494	0.0006426	-0.0024793					
2.2171994	-60.0000000	CY									
0.00003531	60788.		1721427162.	18.4829134	0.0006527	-0.0025254					
2.2448550	-60.0000000	CY									
0.00003594	61333.		1706645047.	18.4391455	0.0006627	-0.0025717					
2.2719938	-60.0000000	CY									
0.00003656	61795.		1690121148.	18.3857737	0.0006722	-0.0026184					
2.2977985	-60.0000000	CY									
0.00003719	62257.		1674143172.	18.3344316	0.0006818	-0.0026651					
2.3234331	-60.0000000	CY									
0.00003969	63898.		1610023271.	18.1244820	0.0007193	-0.0028526					
2.4218333	-60.0000000	CY									
0.00004219	65304.		1547943396.	17.9175989	0.0007559	-0.0030410					
2.5148804	-60.0000000	CY									
0.00004469	66442.		1486821901.	17.7076637	0.0007913	-0.0032306					
2.6021667	-60.0000000	CY									
0.00004719	67468.		1429782369.	17.5069710	0.0008261	-0.0034208					
2.6853182	-60.0000000	CY									
0.00004969	68319.		1374977823.	17.2985617	0.0008595	-0.0036124					
2.7626509	-60.0000000	CY									
0.00005219	69142.		1324876707.	17.1088734	0.0008929	-0.0038040					
2.8374910	-60.0000000	CY									
0.00005469	69789.		1276144510.	16.9172437	0.0009252	-0.0039967					
2.9076604	-60.0000000	CY									
0.00005719	70414.		1231277416.	16.7416684	0.0009574	-0.0041895					
2.9755598	-60.0000000	CY									
0.00005969	71025.		1189955220.	16.5757926	0.0009894	-0.0043825					
3.0406597	-60.0000000	CY									
0.00006219	71502.		1149773166.	16.4001789	0.0010199	-0.0045770					
3.1007396	-60.0000000	CY									
0.00006469	71939.		1112097793.	16.2346699	0.0010502	-0.0047717					
3.1584403	-60.0000000	CY									
0.00006719	72374.		1077197362.	16.0827839	0.0010806	-0.0049663					
3.2143929	-60.0000000	CY									
0.00006969	72808.		1044772819.	15.9430688	0.0011110	-0.0051608					
3.2685818	-60.0000000	CY									
0.00007219	73180.		1013754824.	15.8061028	0.0011410	-0.0053559					
3.3199601	-60.0000000	CY									
0.00007469	73478.		983811304.	15.6625508	0.0011698	-0.0055521					
3.3674846	-60.0000000	CY									
0.00007719	73770.		955728447.	15.5242491	0.0011983	-0.0057486					
3.4127801	-60.0000000	CY									
0.00007969	74061.		929389260.	15.3956377	0.0012268	-0.0059450					
3.4565191	-60.0000000	CY									
0.00008219	74350.		904634368.	15.2758428	0.0012555	-0.0061414					
3.4986879	-60.0000000	CY									
0.00008469	74637.		881323211.	15.1640938	0.0012842	-0.0063377					

lpileInputFile.lp10o

3.5392727	-60.0000000	CY									
0.00008719	74887.		858916764.	15.0540111	0.0013125	-0.0065344					
3.5775749	-60.0000000	CY									
0.00008969	75089.		837230632.	14.9438766	0.0013403	-0.0067316					
3.6134838	-60.0000000	CY									
0.00009219	75283.		816630306.	14.8384890	0.0013679	-0.0069290					
3.6476556	-60.0000000	CY									
0.00009469	75467.		797011679.	14.7297344	0.0013947	-0.0071272					
3.6792311	-60.0000000	CY									
0.00009719	75650.		778390876.	14.6273524	0.0014216	-0.0073253					
3.7094111	-60.0000000	CY									
0.00009969	75832.		760692668.	14.5308716	0.0014485	-0.0075233					
3.7381831	-60.0000000	CY									
0.0001022	76012.		743849181.	14.4398668	0.0014756	-0.0077213					
3.7655348	-60.0000000	CY									
0.0001047	76191.		727799025.	14.3539538	0.0015027	-0.0079192					
3.7914534	-60.0000000	CY									
0.0001072	76362.		712414896.	14.2714036	0.0015297	-0.0081172					
3.8157915	-60.0000000	CY									
0.0001097	76516.		697578250.	14.1905628	0.0015565	-0.0083153					
3.8384280	-60.0000000	CY									
0.0001122	76647.		683208539.	14.1102861	0.0015830	-0.0085139					
3.8593100	-60.0000000	CY									
0.0001147	76764.		669334780.	14.0317057	0.0016093	-0.0087126					
3.8785948	-60.0000000	CY									
0.0001172	76880.		656044371.	13.9571235	0.0016356	-0.0089113					
3.8965104	-60.0000000	CY									
0.0001197	76988.		643241694.	13.8782980	0.0016611	-0.0091108					
3.9124446	-60.0000000	CY									
0.0001222	77094.		630949384.	13.8024478	0.0016865	-0.0093104					
3.9270301	-60.0000000	CY									
0.0001247	77199.		619142869.	13.7302358	0.0017120	-0.0095099					
3.9403261	-60.0000000	CY									
0.0001272	77304.		607793398.	13.6614540	0.0017376	-0.0097093					
3.9523208	-60.0000000	CY									
0.0001297	77407.		596874441.	13.5959108	0.0017632	-0.0099087					
3.9630021	-60.0000000	CY									
0.0001322	77510.		586361467.	13.5334291	0.0017890	-0.0101079					
3.9723578	-60.0000000	CY									
0.0001347	77611.		576231768.	13.4738453	0.0018148	-0.0103071					
3.9803754	-60.0000000	CY									
0.0001372	77712.		566464288.	13.4170078	0.0018406	-0.0105062					
3.9870422	-60.0000000	CY									
0.0001522	78183.		513725422.	13.1039066	0.0019943	-0.0117026					
3.9893187	-60.0000000	CY									
0.0001672	78498.		469521691.	12.8141207	0.0021424	-0.0129045					
3.9904730	-60.0000000	CY									
0.0001822	78783.		432426273.	12.5800499	0.0022919	-0.0141049					

lpileInputFile.lp10o

3.9999796	60.0000000	CY					
0.0001972	79040.		400837893.	12.3945631	0.0024441	-0.0153028	
3.9954870	60.0000000	CY					
0.0002122	79228.		373388942.	12.2320014	0.0025955	-0.0165014	
3.9872031	60.0000000	CY					
0.0002272	79346.		349251950.	12.0729472	0.0027428	-0.0177041	
3.9954586	60.0000000	CY					
0.0002422	79445.		328029537.	11.9253416	0.0028882	-0.0189087	
3.9934040	60.0000000	CY					
0.0002572	79535.		309249221.	11.8019799	0.0030353	-0.0201116	
3.9827063	60.0000000	CYT					
0.0002722	79621.		292523402.	11.6962683	0.0031836	-0.0213133	
3.9971871	60.0000000	CYT					
0.0002872	79702.		277524699.	11.6065386	0.0033333	-0.0225136	
3.9920353	60.0000000	CYT					
0.0003022	79774.		263988631.	11.5296797	0.0034841	-0.0237127	
3.9680124	60.0000000	CYT					
0.0003172	79834.		251693724.	11.4589111	0.0036346	-0.0249123	
3.9870820	60.0000000	CYT					
0.0003322	79876.		240455871.	11.4063810	0.0037891	-0.0261078	
3.9981550	60.0000000	CYT					
0.0003472	79876.		230067138.	11.4798940	0.0039857	-0.0272612	
3.9785681	60.0000000	CYT					

Summary of Results for Nominal (Unfactored) Moment Capacity for Section 1

Moment values interpolated at maximum compressive strain = 0.003 or maximum developed moment if pile fails at smaller strains.

Load No.	Axial Thrust kips	Nominal Mom. Cap. in-kip	Max. Comp. Strain
1	41.711	78165.337	0.00300000
2	66.738	79031.309	0.00300000
3	80.673	79513.340	0.00300000

Note that the values of moment capacity in the table above are not factored by a strength reduction factor (phi-factor).

In ACI 318, the value of the strength reduction factor depends on whether the transverse reinforcing steel bars are tied hoops (0.65) or spirals (0.70).

The above values should be multiplied by the appropriate strength reduction factor to compute ultimate moment capacity according to ACI 318, Section 9.3.2.2 or the value required by the design standard being followed.

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The following table presents factored moment capacities and corresponding bending stiffnesses computed for common resistance factor values used for reinforced concrete sections.

Axial Load No.	Resist. Factor for Moment	Nominal Moment Cap in-kips	Ult. (Fac) Ax. Thrust kips	Ult. (Fac) Moment Cap in-kips	Bend. Stiff. at Ult Mom kip-in^2
1	0.65	78165.	27.112150	50807.	1.7736E+09
2	0.65	79031.	43.379700	51370.	1.7968E+09
3	0.65	79513.	52.437450	51684.	1.8098E+09
1	0.70	78165.	29.197700	54716.	1.7683E+09
2	0.70	79031.	46.716600	55322.	1.7897E+09
3	0.70	79513.	56.471100	55659.	1.8016E+09
1	0.75	78165.	31.283250	58624.	1.7153E+09
2	0.75	79031.	50.053500	59273.	1.7386E+09
3	0.75	79513.	60.504750	59635.	1.7514E+09

Layering Correction Equivalent Depths of Soil & Rock Layers

Layer No.	Top of Layer Below Pile Head ft	Equivalent Top Depth Below Grnd Surf ft	Same Layer Type As Layer Above	Layer is Rock or is Below Rock Layer	F0 Integral for Layer lbs	F1 Integral for Layer lbs
1	0.5000	0.00	N.A.	No	0.00	25934.
2	3.2500	2.7500	Yes	No	25934.	83511.
3	6.5000	6.1691	Yes	No	109445.	771881.
4	18.5000	20.3826	Yes	No	881326.	970175.
5	28.5000	31.2080	Yes	No	1851501.	1014835.
6	38.5000	38.0000	No	No	2866336.	N.A.

Notes: The F0 integral of Layer n+1 equals the sum of the F0 and F1 integrals for Layer n. Layering correction equivalent depths are computed only for soil types with both shallow-depth and deep-depth expressions for peak lateral load transfer. These soil types are soft and stiff clays, non-liquefied sands, and cemented c-phi soil.

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 Computed Values of Pile Loading and Deflection  
 for Lateral Loading for Load Case Number 1  
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Pile-head conditions are Shear and Moment (Loading Type 1)

Shear force at pile head = 47437.0 lbs  
 Applied moment at pile head = 39087000.0 in-lbs  
 Axial thrust load on pile head = 66738.0 lbs

Depth Res. Soil	Deflect. Soil Spr.	Bending Distrib.	Shear Force	Slope S	Total Stress	Bending Stiffness	Soil p
X Es*h feet lb/inch	y Lat. Load inches lb/inch	Moment in-lbs lb/inch	lbs	radians	psi*	in-lb^2	
0.00	0.00	0.00	47437.	-0.00501	0.00	1.83E+12	
0.00	0.3550	0.00	47437.	-0.00492	0.00	1.83E+12	
-50.2968	0.7100	0.00	47330.	-0.00482	0.00	1.82E+12	
-130.4929	1.0650	0.00	46945.	-0.00473	0.00	1.82E+12	
-204.7730	1.4200	0.00	46231.	-0.00464	0.00	1.82E+12	
-273.3148	1.7750	0.00	45212.	-0.00454	0.00	1.82E+12	
-336.2975	2.1300	0.00	43914.	-0.00445	0.00	1.82E+12	
-393.9014	2.4850	0.00	42359.	-0.00436	0.00	1.82E+12	
-446.3077	2.8400	0.00	40569.	-0.00426	0.00	1.82E+12	
-493.6991	3.1950	0.00	38567.	-0.00417	0.00	1.82E+12	
-536.2591	3.5500	0.00	36373.	-0.00407	0.00	1.82E+12	
-574.1721	3.9050	0.00	34008.	-0.00397	0.00	1.82E+12	
-607.6234	4.2600	0.00	31490.	-0.00388	0.00	1.82E+12	
-636.7990	4.6150	0.00	28840.	-0.00378	0.00	1.82E+12	
	4.9700	0.00					
	5.3250	0.00					
	5.6800	0.00					
	6.0350	0.00					
	6.3900	0.00					
	6.7450	0.00					
	7.1000	0.00					
	7.4550	0.00					
	7.8100	0.00					
	8.1650	0.00					
	8.5200	0.00					
	8.8750	0.00					
	9.2300	0.00					
	9.5850	0.00					
	9.9400	0.00					
	10.2950	0.00					
	10.6500	0.00					
	11.0050	0.00					
	11.3600	0.00					
	11.7150	0.00					
	12.0700	0.00					
	12.4250	0.00					
	12.7800	0.00					
	13.1350	0.00					

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4.9700	0.3526	4.15E+07	26074.	-0.00368	0.00	1.82E+12
-661.8857	7998.	0.00				
5.3250	0.3371	4.16E+07	23209.	-0.00359	0.00	1.82E+12
-683.0708	8633.	0.00				
5.6800	0.3220	4.17E+07	20262.	-0.00349	0.00	1.82E+12
-700.5421	9268.	0.00				
6.0350	0.3073	4.18E+07	17248.	-0.00339	0.00	1.82E+12
-714.4877	9903.	0.00				
6.3900	0.2931	4.19E+07	14181.	-0.00329	0.00	1.82E+12
-725.0959	10538.	0.00				
6.7450	0.2793	4.19E+07	9508.	-0.00319	0.00	1.82E+12
-1469.	22404.	0.00				
7.1000	0.2659	4.20E+07	3169.	-0.00310	0.00	1.82E+12
-1507.	24148.	0.00				
7.4550	0.2529	4.20E+07	-3327.	-0.00300	0.00	1.82E+12
-1543.	25985.	0.00				
7.8100	0.2404	4.19E+07	-9968.	-0.00290	0.00	1.82E+12
-1575.	27918.	0.00				
8.1650	0.2282	4.19E+07	-16746.	-0.00280	0.00	1.82E+12
-1607.	30004.	0.00				
8.5200	0.2165	4.18E+07	-23656.	-0.00270	0.00	1.82E+12
-1637.	32208.	0.00				
8.8750	0.2052	4.17E+07	-30685.	-0.00261	0.00	1.82E+12
-1663.	34531.	0.00				
9.2300	0.1943	4.15E+07	-37819.	-0.00251	0.00	1.82E+12
-1686.	36976.	0.00				
9.5850	0.1838	4.13E+07	-45046.	-0.00241	0.00	1.82E+12
-1706.	39549.	0.00				
9.9400	0.1737	4.11E+07	-52351.	-0.00231	0.00	1.82E+12
-1723.	42252.	0.00				
10.2950	0.1641	4.09E+07	-59721.	-0.00222	0.00	1.82E+12
-1737.	45090.	0.00				
10.6500	0.1548	4.06E+07	-67141.	-0.00212	0.00	1.82E+12
-1747.	48065.	0.00				
11.0050	0.1460	4.03E+07	-74598.	-0.00203	0.00	1.82E+12
-1754.	51179.	0.00				
11.3600	0.1376	4.00E+07	-82078.	-0.00193	0.00	1.82E+12
-1758.	54433.	0.00				
11.7150	0.1295	3.96E+07	-89534.	-0.00184	0.00	1.82E+12
-1743.	57331.	0.00				
12.0700	0.1219	3.92E+07	-96851.	-0.00175	0.00	1.82E+12
-1692.	59146.	0.00				
12.4250	0.1146	3.88E+07	-103948.	-0.00166	0.00	1.83E+12
-1640.	60961.	0.00				
12.7800	0.1077	3.84E+07	-110823.	-0.00157	0.00	1.83E+12
-1588.	62775.	0.00				
13.1350	0.1012	3.79E+07	-117474.	-0.00148	0.00	1.83E+12
-1535.	64590.	0.00				

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13.4900	0.09513	3.74E+07	-123903.	-0.00139	0.00	1.83E+12
-1483.	66405.	0.00				
13.8450	0.08939	3.68E+07	-130110.	-0.00131	0.00	1.83E+12
-1431.	68220.	0.00				
14.2000	0.08401	3.62E+07	-136101.	-0.00122	0.00	1.83E+12
-1381.	70034.	0.00				
14.5550	0.07898	3.57E+07	-141880.	-0.00114	0.00	1.84E+12
-1332.	71849.	0.00				
14.9100	0.07432	3.50E+07	-147455.	-0.00109	0.00	8.85E+12
-1285.	73664.	0.00				
15.2650	0.06972	3.44E+07	-152823.	-0.00107	0.00	1.40E+13
-1235.	75479.	0.00				
15.6200	0.06516	3.37E+07	-157972.	-0.00106	0.00	1.41E+13
-1182.	77293.	0.00				
15.9750	0.06066	3.31E+07	-162890.	-0.00105	0.00	1.41E+13
-1126.	79108.	0.00				
16.3300	0.05619	3.23E+07	-167563.	-0.00104	0.00	1.41E+13
-1067.	80923.	0.00				
16.6850	0.05176	3.16E+07	-171977.	-0.00103	0.00	1.41E+13
-1005.	82738.	0.00				
17.0400	0.04738	3.09E+07	-176122.	-0.00102	0.00	1.41E+13
-940.3752	84552.	0.00				
17.3950	0.04303	3.01E+07	-179983.	-0.00102	0.00	1.41E+13
-872.4775	86367.	0.00				
17.7500	0.03873	2.93E+07	-183549.	-0.00101	0.00	1.41E+13
-801.6819	88182.	0.00				
18.1050	0.03446	2.86E+07	-186807.	-9.98E-04	0.00	1.41E+13
-728.0164	89997.	0.00				
18.4600	0.03023	2.78E+07	-189746.	-9.89E-04	0.00	1.41E+13
-651.5072	91812.	0.00				
18.8150	0.02603	2.69E+07	-193205.	-9.81E-04	0.00	1.41E+13
-972.7029	159165.	0.00				
19.1700	0.02187	2.61E+07	-197052.	-9.73E-04	0.00	1.41E+13
-833.0870	162250.	0.00				
19.5250	0.01775	2.53E+07	-200293.	-9.65E-04	0.00	1.41E+13
-688.7477	165335.	0.00				
19.8800	0.01365	2.44E+07	-202910.	-9.58E-04	0.00	1.41E+13
-539.7144	168420.	0.00				
20.2350	0.00959	2.35E+07	-204882.	-9.50E-04	0.00	1.41E+13
-386.0125	171505.	0.00				
20.5900	0.00555	2.27E+07	-206189.	-9.43E-04	0.00	1.41E+13
-227.6638	174590.	0.00				
20.9450	0.00155	2.18E+07	-206811.	-9.37E-04	0.00	1.41E+13
-64.6865	177675.	0.00				
21.3000	-0.00243	2.09E+07	-206730.	-9.30E-04	0.00	1.42E+13
102.9049	180760.	0.00				
21.6550	-0.00637	2.00E+07	-205925.	-9.24E-04	0.00	1.42E+13
275.0989	183845.	0.00				

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22.0100	-0.01030	1.91E+07	-204376.	-9.18E-04	0.00	1.42E+13
451.8872	186931.	0.00				
22.3650	-0.01420	1.83E+07	-202065.	-9.13E-04	0.00	1.42E+13
633.2647	190016.	0.00				
22.7200	-0.01807	1.74E+07	-199051.	-9.07E-04	0.00	1.42E+13
781.8986	184302.	0.00				
23.0750	-0.02193	1.66E+07	-195611.	-9.02E-04	0.00	1.42E+13
832.8856	161818.	0.00				
23.4300	-0.02576	1.58E+07	-191972.	-8.97E-04	0.00	1.42E+13
875.8930	144856.	0.00				
23.7850	-0.02957	1.49E+07	-188162.	-8.93E-04	0.00	1.42E+13
912.5862	131468.	0.00				
24.1400	-0.03336	1.42E+07	-184207.	-8.88E-04	0.00	1.42E+13
944.0687	120542.	0.00				
24.4950	-0.03714	1.34E+07	-180128.	-8.84E-04	0.00	1.42E+13
971.1124	111392.	0.00				
24.8500	-0.04090	1.26E+07	-175942.	-8.80E-04	0.00	1.42E+13
994.2794	103570.	0.00				
25.2050	-0.04464	1.19E+07	-171664.	-8.77E-04	0.00	1.42E+13
1014.	96769.	0.00				
25.5600	-0.04836	1.12E+07	-167309.	-8.73E-04	0.00	1.42E+13
1031.	90774.	0.00				
25.9150	-0.05208	1.05E+07	-162890.	-8.70E-04	0.00	1.42E+13
1044.	85426.	0.00				
26.2700	-0.05578	9772877.	-158418.	-8.67E-04	0.00	1.42E+13
1055.	80605.	0.00				
26.6250	-0.05946	9107840.	-153903.	-8.64E-04	0.00	1.42E+13
1064.	76222.	0.00				
26.9800	-0.06314	8462111.	-149358.	-8.61E-04	0.00	1.43E+13
1070.	72205.	0.00				
27.3350	-0.06680	7835801.	-144791.	-8.59E-04	0.00	1.43E+13
1074.	68499.	0.00				
27.6900	-0.07046	7228984.	-140211.	-8.57E-04	0.00	1.43E+13
1076.	65060.	0.00				
28.0450	-0.07410	6641693.	-135627.	-8.55E-04	0.00	1.43E+13
1076.	61850.	0.00				
28.4000	-0.07774	6073926.	-130978.	-8.53E-04	0.00	1.43E+13
1107.	60655.	0.00				
28.7550	-0.08137	5526244.	-126118.	-8.51E-04	0.00	1.43E+13
1175.	61522.	0.00				
29.1100	-0.08499	4999887.	-121027.	-8.49E-04	0.00	1.43E+13
1215.	60896.	0.00				
29.4650	-0.08860	4495577.	-115767.	-8.48E-04	0.00	1.43E+13
1255.	60326.	0.00				
29.8200	-0.09221	4014036.	-110337.	-8.47E-04	0.00	1.43E+13
1295.	59805.	0.00				
30.1750	-0.09582	3555988.	-104737.	-8.46E-04	0.00	1.43E+13
1334.	59328.	0.00				

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30.5300	-0.09942	3122156.	-98968.	-8.45E-04	0.00	1.43E+13
1374.	58890.	0.00				
30.8850	-0.1030	2713265.	-93028.	-8.44E-04	0.00	1.43E+13
1414.	58487.	0.00				
31.2400	-0.1066	2330040.	-86917.	-8.43E-04	0.00	1.43E+13
1454.	58117.	0.00				
31.5950	-0.1102	1973208.	-80636.	-8.42E-04	0.00	1.43E+13
1495.	57775.	0.00				
31.9500	-0.1138	1643497.	-74184.	-8.42E-04	0.00	1.43E+13
1535.	57460.	0.00				
32.3050	-0.1174	1341638.	-67560.	-8.41E-04	0.00	1.43E+13
1575.	57169.	0.00				
32.6600	-0.1210	1068363.	-60764.	-8.41E-04	0.00	1.43E+13
1616.	56900.	0.00				
33.0150	-0.1245	824405.	-53796.	-8.41E-04	0.00	1.43E+13
1656.	56650.	0.00				
33.3700	-0.1281	610501.	-46654.	-8.41E-04	0.00	1.43E+13
1697.	56419.	0.00				
33.7250	-0.1317	427389.	-39339.	-8.40E-04	0.00	1.43E+13
1738.	56205.	0.00				
34.0800	-0.1353	275808.	-31850.	-8.40E-04	0.00	1.43E+13
1778.	56007.	0.00				
34.4350	-0.1389	156503.	-24186.	-8.40E-04	0.00	1.43E+13
1820.	55823.	0.00				
34.7900	-0.1424	70219.	-16347.	-8.40E-04	0.00	1.43E+13
1861.	55652.	0.00				
35.1450	-0.1460	17701.	-8298.	-8.40E-04	0.00	1.43E+13
1918.	55973.	0.00				
35.5000	-0.1496	0.00	0.00	-8.40E-04	0.00	1.43E+13
1977.	28152.	0.00				

\* This analysis computed pile response using nonlinear moment-curvature relationships. Values of total stress due to combined axial and bending stresses are computed only for elastic sections only and do not equal the actual stresses in concrete and steel. Stresses in concrete and steel may be interpolated from the output for nonlinear bending properties relative to the magnitude of bending moment developed in the pile.

Output Summary for Load Case No. 1:

Pile-head deflection	=	0.61213711 inches
Computed slope at pile head	=	-0.00500684 radians
Maximum bending moment	=	41950786. inch-lbs
Maximum shear force	=	-206811. lbs
Depth of maximum bending moment	=	7.45500000 feet below pile head
Depth of maximum shear force	=	20.94500000 feet below pile head
Number of iterations	=	95

lpileInputFile.lp100

Number of zero deflection points = 1

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 Computed Values of Pile Loading and Deflection  
 for Lateral Loading for Load Case Number 2  
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Pile-head conditions are Shear and Moment (Loading Type 1)

Shear force at pile head	=	21347.0 lbs
Applied moment at pile head	=	17589150.0 in-lbs
Axial thrust load on pile head	=	41711.0 lbs

Depth	Deflect.	Bending	Shear	Slope	Total	Bending	Soil
Res. Soil	Spr. Distrib.	Moment	Force	S	Stress	Stiffness	p
X	y	Moment					
Es*h	Lat. Load	in-lbs	lbs	radians	psi*	in-lb^2	
feet	inches	lb/inch					
lb/inch	lb/inch	lb/inch					
0.00	0.1363	1.76E+07	21347.	-6.75E-04	0.00	1.42E+13	
0.00	0.00	0.00					
0.3550	0.1334	1.77E+07	21347.	-6.70E-04	0.00	1.42E+13	
0.00	0.00	0.00					
0.7100	0.1306	1.78E+07	21322.	-6.65E-04	0.00	1.42E+13	
-11.5166	375.7320	0.00					
1.0650	0.1278	1.79E+07	21233.	-6.59E-04	0.00	1.42E+13	
-30.3161	1011.	0.00					
1.4200	0.1250	1.80E+07	21066.	-6.54E-04	0.00	1.42E+13	
-48.2834	1646.	0.00					
1.7750	0.1222	1.80E+07	20824.	-6.48E-04	0.00	1.42E+13	
-65.4290	2281.	0.00					
2.1300	0.1194	1.81E+07	20510.	-6.43E-04	0.00	1.42E+13	
-81.7632	2916.	0.00					
2.4850	0.1167	1.82E+07	20129.	-6.38E-04	0.00	1.42E+13	
-97.2965	3552.	0.00					
2.8400	0.1140	1.83E+07	19683.	-6.32E-04	0.00	1.42E+13	
-112.0392	4187.	0.00					
3.1950	0.1113	1.84E+07	19176.	-6.27E-04	0.00	1.42E+13	
-126.0020	4822.	0.00					
3.5500	0.1087	1.85E+07	18611.	-6.21E-04	0.00	1.42E+13	
-139.1955	5457.	0.00					
3.9050	0.1060	1.85E+07	17992.	-6.15E-04	0.00	1.42E+13	
-151.6303	6092.	0.00					
4.2600	0.1034	1.86E+07	17321.	-6.10E-04	0.00	1.42E+13	

lpileInputFile.lp10o

-163.3173	6727.	0.00					
4.6150	0.1008	1.87E+07	16602.	-6.04E-04	0.00	1.42E+13	
-174.2671	7363.	0.00					
4.9700	0.09827	1.88E+07	15838.	-5.99E-04	0.00	1.42E+13	
-184.4907	7998.	0.00					
5.3250	0.09573	1.88E+07	15031.	-5.93E-04	0.00	1.42E+13	
-193.9988	8633.	0.00					
5.6800	0.09322	1.89E+07	14186.	-5.87E-04	0.00	1.42E+13	
-202.8025	9268.	0.00					
6.0350	0.09073	1.89E+07	13305.	-5.82E-04	0.00	1.42E+13	
-210.9127	9903.	0.00					
6.3900	0.08826	1.90E+07	12391.	-5.76E-04	0.00	1.42E+13	
-218.3405	10538.	0.00					
6.7450	0.08582	1.91E+07	10556.	-5.70E-04	0.00	1.42E+13	
-643.1337	31924.	0.00					
7.1000	0.08340	1.91E+07	7779.	-5.64E-04	0.00	1.42E+13	
-660.5506	33739.	0.00					
7.4550	0.08101	1.91E+07	4932.	-5.59E-04	0.00	1.42E+13	
-676.1124	35554.	0.00					
7.8100	0.07864	1.91E+07	2022.	-5.53E-04	0.00	1.42E+13	
-689.8506	37369.	0.00					
8.1650	0.07630	1.91E+07	-941.9470	-5.47E-04	0.00	1.42E+13	
-701.7967	39183.	0.00					
8.5200	0.07398	1.91E+07	-3953.	-5.41E-04	0.00	1.42E+13	
-711.9821	40998.	0.00					
8.8750	0.07169	1.91E+07	-7004.	-5.36E-04	0.00	1.42E+13	
-720.4378	42813.	0.00					
9.2300	0.06942	1.91E+07	-10088.	-5.30E-04	0.00	1.42E+13	
-727.1950	44628.	0.00					
9.5850	0.06717	1.90E+07	-13196.	-5.24E-04	0.00	1.42E+13	
-732.2844	46443.	0.00					
9.9400	0.06495	1.90E+07	-16323.	-5.19E-04	0.00	1.42E+13	
-735.7364	48257.	0.00					
10.2950	0.06275	1.89E+07	-19462.	-5.13E-04	0.00	1.42E+13	
-737.5813	50072.	0.00					
10.6500	0.06058	1.88E+07	-22604.	-5.07E-04	0.00	1.42E+13	
-737.8488	51887.	0.00					
11.0050	0.05843	1.87E+07	-25745.	-5.02E-04	0.00	1.42E+13	
-736.5685	53702.	0.00					
11.3600	0.05631	1.86E+07	-28877.	-4.96E-04	0.00	1.42E+13	
-733.7692	55516.	0.00					
11.7150	0.05420	1.84E+07	-31993.	-4.90E-04	0.00	1.42E+13	
-729.4796	57331.	0.00					
12.0700	0.05213	1.83E+07	-35089.	-4.85E-04	0.00	1.42E+13	
-723.7277	59146.	0.00					
12.4250	0.05007	1.81E+07	-38156.	-4.79E-04	0.00	1.42E+13	
-716.5411	60961.	0.00					
12.7800	0.04804	1.80E+07	-41191.	-4.74E-04	0.00	1.42E+13	

lpileInputFile.lp10o

-707.9467	62775.	0.00					
13.1350	0.04603	1.78E+07	-44185.	-4.69E-04	0.00	1.42E+13	
-697.9709	64590.	0.00					
13.4900	0.04405	1.76E+07	-47134.	-4.63E-04	0.00	1.42E+13	
-686.6393	66405.	0.00					
13.8450	0.04209	1.74E+07	-50032.	-4.58E-04	0.00	1.42E+13	
-673.9771	68220.	0.00					
14.2000	0.04015	1.72E+07	-52874.	-4.53E-04	0.00	1.42E+13	
-660.0087	70034.	0.00					
14.5550	0.03823	1.69E+07	-55653.	-4.48E-04	0.00	1.42E+13	
-644.7577	71849.	0.00					
14.9100	0.03633	1.67E+07	-58365.	-4.43E-04	0.00	1.42E+13	
-628.2471	73664.	0.00					
15.2650	0.03446	1.64E+07	-61003.	-4.38E-04	0.00	1.42E+13	
-610.4990	75479.	0.00					
15.6200	0.03260	1.62E+07	-63563.	-4.33E-04	0.00	1.42E+13	
-591.5347	77293.	0.00					
15.9750	0.03077	1.59E+07	-66040.	-4.28E-04	0.00	1.42E+13	
-571.3749	79108.	0.00					
16.3300	0.02896	1.56E+07	-68429.	-4.23E-04	0.00	1.42E+13	
-550.0390	80923.	0.00					
16.6850	0.02716	1.53E+07	-70724.	-4.19E-04	0.00	1.42E+13	
-527.5461	82738.	0.00					
17.0400	0.02539	1.50E+07	-72921.	-4.14E-04	0.00	1.42E+13	
-503.9139	84552.	0.00					
17.3950	0.02363	1.47E+07	-75015.	-4.10E-04	0.00	1.42E+13	
-479.1596	86367.	0.00					
17.7500	0.02190	1.44E+07	-77001.	-4.05E-04	0.00	1.42E+13	
-453.2991	88182.	0.00					
18.1050	0.02018	1.40E+07	-78875.	-4.01E-04	0.00	1.42E+13	
-426.3478	89997.	0.00					
18.4600	0.01848	1.37E+07	-80632.	-3.97E-04	0.00	1.42E+13	
-398.3199	91812.	0.00					
18.8150	0.01680	1.34E+07	-82817.	-3.93E-04	0.00	1.42E+13	
-627.6886	159165.	0.00					
19.1700	0.01514	1.30E+07	-85382.	-3.89E-04	0.00	1.42E+13	
-576.4467	162250.	0.00					
19.5250	0.01349	1.26E+07	-87724.	-3.85E-04	0.00	1.42E+13	
-523.4372	165335.	0.00					
19.8800	0.01185	1.22E+07	-89838.	-3.81E-04	0.00	1.42E+13	
-468.6776	168420.	0.00					
20.2350	0.01024	1.19E+07	-91714.	-3.78E-04	0.00	1.42E+13	
-412.1832	171505.	0.00					
20.5900	0.00864	1.15E+07	-93346.	-3.74E-04	0.00	1.42E+13	
-353.9677	174590.	0.00					
20.9450	0.00705	1.11E+07	-94726.	-3.71E-04	0.00	1.42E+13	
-294.0428	177675.	0.00					
21.3000	0.00548	1.07E+07	-95847.	-3.68E-04	0.00	1.42E+13	

lpileInputFile.lp100

-232.4186	180760.	0.00					
21.6550	0.00392	1.02E+07	-96703.	-3.64E-04	0.00	1.42E+13	
-169.1032	183845.	0.00					
22.0100	0.00237	9836549.	-97285.	-3.61E-04	0.00	1.42E+13	
-104.1030	186931.	0.00					
22.3650	8.39E-04	9421236.	-97586.	-3.59E-04	0.00	1.42E+13	
-37.4228	190016.	0.00					
22.7200	-6.82E-04	9005243.	-97600.	-3.56E-04	0.00	1.42E+13	
30.9343	193101.	0.00					
23.0750	-0.00219	8589811.	-97319.	-3.53E-04	0.00	1.43E+13	
100.9669	196186.	0.00					
23.4300	-0.00369	8176211.	-96736.	-3.51E-04	0.00	1.43E+13	
172.6748	199271.	0.00					
23.7850	-0.00518	7765744.	-95844.	-3.48E-04	0.00	1.43E+13	
246.0594	202356.	0.00					
24.1400	-0.00666	7359742.	-94636.	-3.46E-04	0.00	1.43E+13	
321.1233	205441.	0.00					
24.4950	-0.00813	6959568.	-93105.	-3.44E-04	0.00	1.43E+13	
397.8704	208526.	0.00					
24.8500	-0.00959	6566613.	-91243.	-3.42E-04	0.00	1.43E+13	
476.3057	211611.	0.00					
25.2050	-0.01104	6182302.	-89128.	-3.40E-04	0.00	1.43E+13	
516.4270	199259.	0.00					
25.5600	-0.01249	5807363.	-86899.	-3.38E-04	0.00	1.43E+13	
529.8760	180798.	0.00					
25.9150	-0.01392	5442039.	-84620.	-3.36E-04	0.00	1.43E+13	
540.1544	165283.	0.00					
26.2700	-0.01535	5086517.	-82303.	-3.35E-04	0.00	1.43E+13	
547.6771	151975.	0.00					
26.6250	-0.01678	4740934.	-79959.	-3.33E-04	0.00	1.43E+13	
552.7627	140370.	0.00					
26.9800	-0.01819	4405383.	-77598.	-3.32E-04	0.00	1.43E+13	
555.6640	130113.	0.00					
27.3350	-0.01960	4079914.	-75229.	-3.31E-04	0.00	1.43E+13	
556.5865	120943.	0.00					
27.6900	-0.02101	3764547.	-72860.	-3.30E-04	0.00	1.43E+13	
555.7017	112666.	0.00					
28.0450	-0.02241	3459264.	-70498.	-3.29E-04	0.00	1.43E+13	
553.1554	105135.	0.00					
28.4000	-0.02381	3164019.	-68105.	-3.28E-04	0.00	1.43E+13	
570.4550	102060.	0.00					
28.7550	-0.02520	2879126.	-65603.	-3.27E-04	0.00	1.43E+13	
604.1503	102112.	0.00					
29.1100	-0.02659	2605197.	-62982.	-3.26E-04	0.00	1.43E+13	
626.5747	100368.	0.00					
29.4650	-0.02798	2342639.	-60265.	-3.25E-04	0.00	1.43E+13	
648.7929	98777.	0.00					
29.8200	-0.02936	2091855.	-57454.	-3.24E-04	0.00	1.43E+13	

lpileInputFile.lp100

670.8280	97320.	0.00					
30.1750	-0.03075	1853244.	-54550.	-3.24E-04	0.00	1.43E+13	
692.6998	95979.	0.00					
30.5300	-0.03212	1627204.	-51553.	-3.23E-04	0.00	1.43E+13	
714.4252	94741.	0.00					
30.8850	-0.03350	1414130.	-48463.	-3.23E-04	0.00	1.43E+13	
736.0187	93594.	0.00					
31.2400	-0.03487	1214412.	-45282.	-3.23E-04	0.00	1.43E+13	
757.4930	92528.	0.00					
31.5950	-0.03625	1028441.	-42010.	-3.22E-04	0.00	1.43E+13	
778.8589	91534.	0.00					
31.9500	-0.03762	856604.	-38646.	-3.22E-04	0.00	1.43E+13	
800.1256	90604.	0.00					
32.3050	-0.03899	699287.	-35193.	-3.22E-04	0.00	1.43E+13	
821.3013	89733.	0.00					
32.6600	-0.04036	556875.	-31649.	-3.21E-04	0.00	1.43E+13	
842.3927	88913.	0.00					
33.0150	-0.04173	429751.	-28016.	-3.21E-04	0.00	1.43E+13	
863.4056	88141.	0.00					
33.3700	-0.04310	318295.	-24293.	-3.21E-04	0.00	1.43E+13	
884.3449	87412.	0.00					
33.7250	-0.04447	222888.	-20481.	-3.21E-04	0.00	1.43E+13	
905.2144	86722.	0.00					
34.0800	-0.04583	143908.	-16581.	-3.21E-04	0.00	1.43E+13	
926.0173	86067.	0.00					
34.4350	-0.04720	81733.	-12592.	-3.21E-04	0.00	1.43E+13	
946.7562	85445.	0.00					
34.7900	-0.04857	36740.	-8515.	-3.21E-04	0.00	1.43E+13	
967.4328	84852.	0.00					
35.1450	-0.04994	9303.	-4326.	-3.21E-04	0.00	1.43E+13	
999.2344	85242.	0.00					
35.5000	-0.05130	0.00	0.00	-3.21E-04	0.00	1.43E+13	
1032.	42826.	0.00					

\* This analysis computed pile response using nonlinear moment-curvature relationships. Values of total stress due to combined axial and bending stresses are computed only for elastic sections only and do not equal the actual stresses in concrete and steel. Stresses in concrete and steel may be interpolated from the output for nonlinear bending properties relative to the magnitude of bending moment developed in the pile.

Output Summary for Load Case No. 2:

Pile-head deflection	=	0.13628181 inches
Computed slope at pile head	=	-0.00067523 radians
Maximum bending moment	=	19137200. inch-lbs
Maximum shear force	=	-97600. lbs

lpileInputFile.lp10o  
 Depth of maximum bending moment = 8.16500000 feet below pile head  
 Depth of maximum shear force = 22.72000000 feet below pile head  
 Number of iterations = 10  
 Number of zero deflection points = 1

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 Computed Values of Pile Loading and Deflection  
 for Lateral Loading for Load Case Number 3  
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Pile-head conditions are Shear and Moment (Loading Type 1)

Shear force at pile head = 9065.0 lbs  
 Applied moment at pile head = 7452106.0 in-lbs  
 Axial thrust load on pile head = 80673.0 lbs

Depth	Deflect.	Bending	Shear	Slope	Total	Bending	Soil
Res. Soil	Spr. Distrib.	Moment	Force	S	Stress	Stiffness	p
X	y						
Es*h	Lat. Load						
feet	inches	in-lbs	lbs	radians	psi*	in-lb^2	
lb/inch	lb/inch	lb/inch					
0.00	0.05245	7452106.	9065.	-2.60E-04	0.00	1.43E+13	
0.00	0.00	0.00					
0.3550	0.05135	7490812.	9065.	-2.58E-04	0.00	1.43E+13	
0.00	0.00	0.00					
0.7100	0.05025	7529517.	9056.	-2.56E-04	0.00	1.43E+13	
-4.4324	375.7320	0.00					
1.0650	0.04917	7568141.	9021.	-2.53E-04	0.00	1.43E+13	
-11.6681	1011.	0.00					
1.4200	0.04810	7606552.	8957.	-2.51E-04	0.00	1.43E+13	
-18.5842	1646.	0.00					
1.7750	0.04703	7644626.	8864.	-2.49E-04	0.00	1.43E+13	
-25.1852	2281.	0.00					
2.1300	0.04598	7682241.	8743.	-2.46E-04	0.00	1.43E+13	
-31.4753	2916.	0.00					
2.4850	0.04493	7719285.	8596.	-2.44E-04	0.00	1.43E+13	
-37.4590	3552.	0.00					
2.8400	0.04390	7755648.	8424.	-2.42E-04	0.00	1.43E+13	
-43.1407	4187.	0.00					
3.1950	0.04287	7791227.	8229.	-2.40E-04	0.00	1.43E+13	
-48.5249	4822.	0.00					
3.5500	0.04185	7825925.	8012.	-2.37E-04	0.00	1.43E+13	
-53.6160	5457.	0.00					

		lpileInputFile.lp10o				
3.9050	0.04085	7859649.	7773.	-2.35E-04	0.00	1.43E+13
-58.4185	6092.	0.00				
4.2600	0.03985	7892312.	7514.	-2.33E-04	0.00	1.43E+13
-62.9369	6727.	0.00				
4.6150	0.03887	7923832.	7237.	-2.30E-04	0.00	1.43E+13
-67.1759	7363.	0.00				
4.9700	0.03789	7954132.	6943.	-2.28E-04	0.00	1.43E+13
-71.1399	7998.	0.00				
5.3250	0.03693	7983140.	6632.	-2.25E-04	0.00	1.43E+13
-74.8336	8633.	0.00				
5.6800	0.03597	8010790.	6306.	-2.23E-04	0.00	1.43E+13
-78.2615	9268.	0.00				
6.0350	0.03503	8037018.	5966.	-2.21E-04	0.00	1.43E+13
-81.4284	9903.	0.00				
6.3900	0.03409	8061768.	5612.	-2.18E-04	0.00	1.43E+13
-84.3388	10538.	0.00				
6.7450	0.03317	8084987.	4903.	-2.16E-04	0.00	1.43E+13
-248.5639	31924.	0.00				
7.1000	0.03225	8103693.	3830.	-2.13E-04	0.00	1.43E+13
-255.4539	33739.	0.00				
7.4550	0.03135	8117764.	2728.	-2.11E-04	0.00	1.43E+13
-261.6511	35554.	0.00				
7.8100	0.03046	8127085.	1602.	-2.09E-04	0.00	1.43E+13
-267.1690	37369.	0.00				
8.1650	0.02957	8131556.	453.5488	-2.06E-04	0.00	1.43E+13
-272.0208	39183.	0.00				
8.5200	0.02870	8131090.	-714.2038	-2.04E-04	0.00	1.43E+13
-276.2199	40998.	0.00				
8.8750	0.02784	8125611.	-1898.	-2.01E-04	0.00	1.43E+13
-279.7794	42813.	0.00				
9.2300	0.02699	8115054.	-3097.	-1.99E-04	0.00	1.43E+13
-282.7126	44628.	0.00				
9.5850	0.02614	8099365.	-4306.	-1.96E-04	0.00	1.43E+13
-285.0325	46443.	0.00				
9.9400	0.02531	8078502.	-5524.	-1.94E-04	0.00	1.43E+13
-286.7520	48257.	0.00				
10.2950	0.02449	8052435.	-6748.	-1.92E-04	0.00	1.43E+13
-287.8841	50072.	0.00				
10.6500	0.02368	8021143.	-7975.	-1.89E-04	0.00	1.43E+13
-288.4416	51887.	0.00				
11.0050	0.02288	7984616.	-9204.	-1.87E-04	0.00	1.43E+13
-288.4369	53702.	0.00				
11.3600	0.02209	7942853.	-10432.	-1.84E-04	0.00	1.43E+13
-287.8825	55516.	0.00				
11.7150	0.02131	7895865.	-11656.	-1.82E-04	0.00	1.43E+13
-286.7908	57331.	0.00				
12.0700	0.02054	7843671.	-12874.	-1.80E-04	0.00	1.43E+13
-285.1738	59146.	0.00				

lpileInputFile.lp10o

12.4250	0.01978	7786302.	-14084.	-1.77E-04	0.00	1.43E+13
-283.0434	60961.	0.00				
12.7800	0.01903	7723795.	-15284.	-1.75E-04	0.00	1.43E+13
-280.4112	62775.	0.00				
13.1350	0.01829	7656199.	-16472.	-1.73E-04	0.00	1.43E+13
-277.2889	64590.	0.00				
13.4900	0.01756	7583569.	-17646.	-1.70E-04	0.00	1.43E+13
-273.6875	66405.	0.00				
13.8450	0.01684	7505972.	-18803.	-1.68E-04	0.00	1.43E+13
-269.6180	68220.	0.00				
14.2000	0.01612	7423482.	-19942.	-1.66E-04	0.00	1.43E+13
-265.0912	70034.	0.00				
14.5550	0.01542	7336180.	-21061.	-1.64E-04	0.00	1.43E+13
-260.1175	71849.	0.00				
14.9100	0.01473	7244156.	-22157.	-1.62E-04	0.00	1.43E+13
-254.7070	73664.	0.00				
15.2650	0.01405	7147510.	-23230.	-1.59E-04	0.00	1.43E+13
-248.8697	75479.	0.00				
15.6200	0.01337	7046346.	-24277.	-1.57E-04	0.00	1.43E+13
-242.6150	77293.	0.00				
15.9750	0.01271	6940779.	-25296.	-1.55E-04	0.00	1.43E+13
-235.9521	79108.	0.00				
16.3300	0.01205	6830930.	-26286.	-1.53E-04	0.00	1.43E+13
-228.8901	80923.	0.00				
16.6850	0.01140	6716925.	-27246.	-1.51E-04	0.00	1.43E+13
-221.4373	82738.	0.00				
17.0400	0.01076	6598902.	-28172.	-1.49E-04	0.00	1.43E+13
-213.6022	84552.	0.00				
17.3950	0.01013	6477001.	-29065.	-1.47E-04	0.00	1.43E+13
-205.3925	86367.	0.00				
17.7500	0.00951	6351372.	-29921.	-1.45E-04	0.00	1.43E+13
-196.8157	88182.	0.00				
18.1050	0.00889	6222171.	-30741.	-1.43E-04	0.00	1.43E+13
-187.8791	89997.	0.00				
18.4600	0.00829	6089560.	-31521.	-1.42E-04	0.00	1.43E+13
-178.5893	91812.	0.00				
18.8150	0.00769	5953707.	-32513.	-1.40E-04	0.00	1.43E+13
-287.2196	159165.	0.00				
19.1700	0.00710	5812642.	-33701.	-1.38E-04	0.00	1.43E+13
-270.2583	162250.	0.00				
19.5250	0.00651	5666671.	-34815.	-1.36E-04	0.00	1.43E+13
-252.7273	165335.	0.00				
19.8800	0.00593	5516113.	-35853.	-1.35E-04	0.00	1.43E+13
-234.6352	168420.	0.00				
20.2350	0.00536	5361296.	-36813.	-1.33E-04	0.00	1.43E+13
-215.9899	171505.	0.00				
20.5900	0.00480	5202559.	-37692.	-1.31E-04	0.00	1.43E+13
-196.7987	174590.	0.00				

lpileInputFile.lp10o

20.9450	0.00425	5040251.	-38488.	-1.30E-04	0.00	1.43E+13
-177.0678	177675.	0.00				
21.3000	0.00370	4874728.	-39199.	-1.28E-04	0.00	1.43E+13
-156.8030	180760.	0.00				
21.6550	0.00315	4706359.	-39823.	-1.27E-04	0.00	1.43E+13
-136.0088	183845.	0.00				
22.0100	0.00261	4535522.	-40357.	-1.26E-04	0.00	1.43E+13
-114.6895	186931.	0.00				
22.3650	0.00208	4362603.	-40799.	-1.24E-04	0.00	1.43E+13
-92.8482	190016.	0.00				
22.7200	0.00156	4187998.	-41147.	-1.23E-04	0.00	1.43E+13
-70.4875	193101.	0.00				
23.0750	0.00103	4012114.	-41399.	-1.22E-04	0.00	1.43E+13
-47.6093	196186.	0.00				
23.4300	5.18E-04	3835365.	-41552.	-1.21E-04	0.00	1.43E+13
-24.2146	199271.	0.00				
23.7850	6.40E-06	3658177.	-41604.	-1.19E-04	0.00	1.43E+13
-0.3038	202356.	0.00				
24.1400	-5.00E-04	3480982.	-41553.	-1.18E-04	0.00	1.43E+13
24.1232	205441.	0.00				
24.4950	-0.00100	3304225.	-41397.	-1.17E-04	0.00	1.43E+13
49.0676	208526.	0.00				
24.8500	-0.00150	3128359.	-41134.	-1.16E-04	0.00	1.43E+13
74.5307	211611.	0.00				
25.2050	-0.00199	2953844.	-40761.	-1.16E-04	0.00	1.43E+13
100.5147	214696.	0.00				
25.5600	-0.00248	2781153.	-40276.	-1.15E-04	0.00	1.43E+13
127.0224	217781.	0.00				
25.9150	-0.00297	2610767.	-39678.	-1.14E-04	0.00	1.43E+13
154.0570	220867.	0.00				
26.2700	-0.00345	2443177.	-38963.	-1.13E-04	0.00	1.43E+13
181.6221	223952.	0.00				
26.6250	-0.00394	2278882.	-38129.	-1.12E-04	0.00	1.43E+13
209.7219	227037.	0.00				
26.9800	-0.00441	2118393.	-37175.	-1.12E-04	0.00	1.43E+13
238.3609	230122.	0.00				
27.3350	-0.00489	1962230.	-36104.	-1.11E-04	0.00	1.43E+13
264.2786	230361.	0.00				
27.6900	-0.00536	1810862.	-34980.	-1.11E-04	0.00	1.43E+13
263.5459	209481.	0.00				
28.0450	-0.00583	1664277.	-33862.	-1.10E-04	0.00	1.43E+13
261.5283	191120.	0.00				
28.4000	-0.00630	1522438.	-32728.	-1.10E-04	0.00	1.43E+13
270.8220	183209.	0.00				
28.7550	-0.00676	1385513.	-31541.	-1.09E-04	0.00	1.43E+13
286.3347	180360.	0.00				
29.1100	-0.00723	1253785.	-30296.	-1.09E-04	0.00	1.43E+13
298.2266	175787.	0.00				

```

lpileInputFile.lp100
29.4650 -0.00769 1127468. -29001. -1.08E-04 0.00 1.43E+13
309.8656 171662. 0.00
29.8200 -0.00815 1006775. -27656. -1.08E-04 0.00 1.43E+13
321.2760 167915. 0.00
30.1750 -0.00861 891912. -26264. -1.08E-04 0.00 1.43E+13
332.4783 164490. 0.00
30.5300 -0.00907 783082. -24824. -1.08E-04 0.00 1.43E+13
343.4899 161344. 0.00
30.8850 -0.00953 680486. -23338. -1.07E-04 0.00 1.43E+13
354.3255 158438. 0.00
31.2400 -0.00998 584321. -21805. -1.07E-04 0.00 1.43E+13
364.9976 155742. 0.00
31.5950 -0.01044 494778. -20228. -1.07E-04 0.00 1.43E+13
375.5170 153231. 0.00
31.9500 -0.01090 412051. -18606. -1.07E-04 0.00 1.43E+13
385.8931 150883. 0.00
32.3050 -0.01135 336327. -16941. -1.07E-04 0.00 1.43E+13
396.1335 148679. 0.00
32.6600 -0.01180 267791. -15231. -1.07E-04 0.00 1.43E+13
406.2453 146603. 0.00
33.0150 -0.01226 206628. -13480. -1.07E-04 0.00 1.43E+13
416.2341 144643. 0.00
33.3700 -0.01271 153018. -11685. -1.07E-04 0.00 1.43E+13
426.1048 142787. 0.00
33.7250 -0.01317 107141. -9849. -1.06E-04 0.00 1.43E+13
435.8617 141023. 0.00
34.0800 -0.01362 69174. -7972. -1.06E-04 0.00 1.43E+13
445.5081 139344. 0.00
34.4350 -0.01407 39292. -6054. -1.06E-04 0.00 1.43E+13
455.0470 137742. 0.00
34.7900 -0.01453 17668. -4095. -1.06E-04 0.00 1.43E+13
464.4804 136209. 0.00
35.1450 -0.01498 4473. -2082. -1.06E-04 0.00 1.43E+13
480.6063 136672. 0.00
35.5000 -0.01543 0.00 0.00 -1.06E-04 0.00 1.43E+13
496.9957 68591. 0.00

```

\* This analysis computed pile response using nonlinear moment-curvature relationships. Values of total stress due to combined axial and bending stresses are computed only for elastic sections only and do not equal the actual stresses in concrete and steel. Stresses in concrete and steel may be interpolated from the output for nonlinear bending properties relative to the magnitude of bending moment developed in the pile.

Output Summary for Load Case No. 3:

Pile-head deflection = 0.05245073 inches

Page 43

```

lpileInputFile.lp100
Computed slope at pile head = -0.00026006 radians
Maximum bending moment = 8131556. inch-lbs
Maximum shear force = -41604. lbs
Depth of maximum bending moment = 8.16500000 feet below pile head
Depth of maximum shear force = 23.78500000 feet below pile head
Number of iterations = 8
Number of zero deflection points = 1

```

-----  
Summary of Pile-head Responses for Conventional Analyses  
-----

Definitions of Pile-head Loading Conditions:

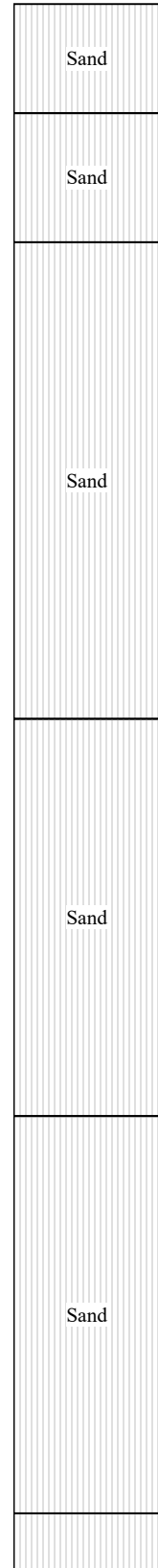
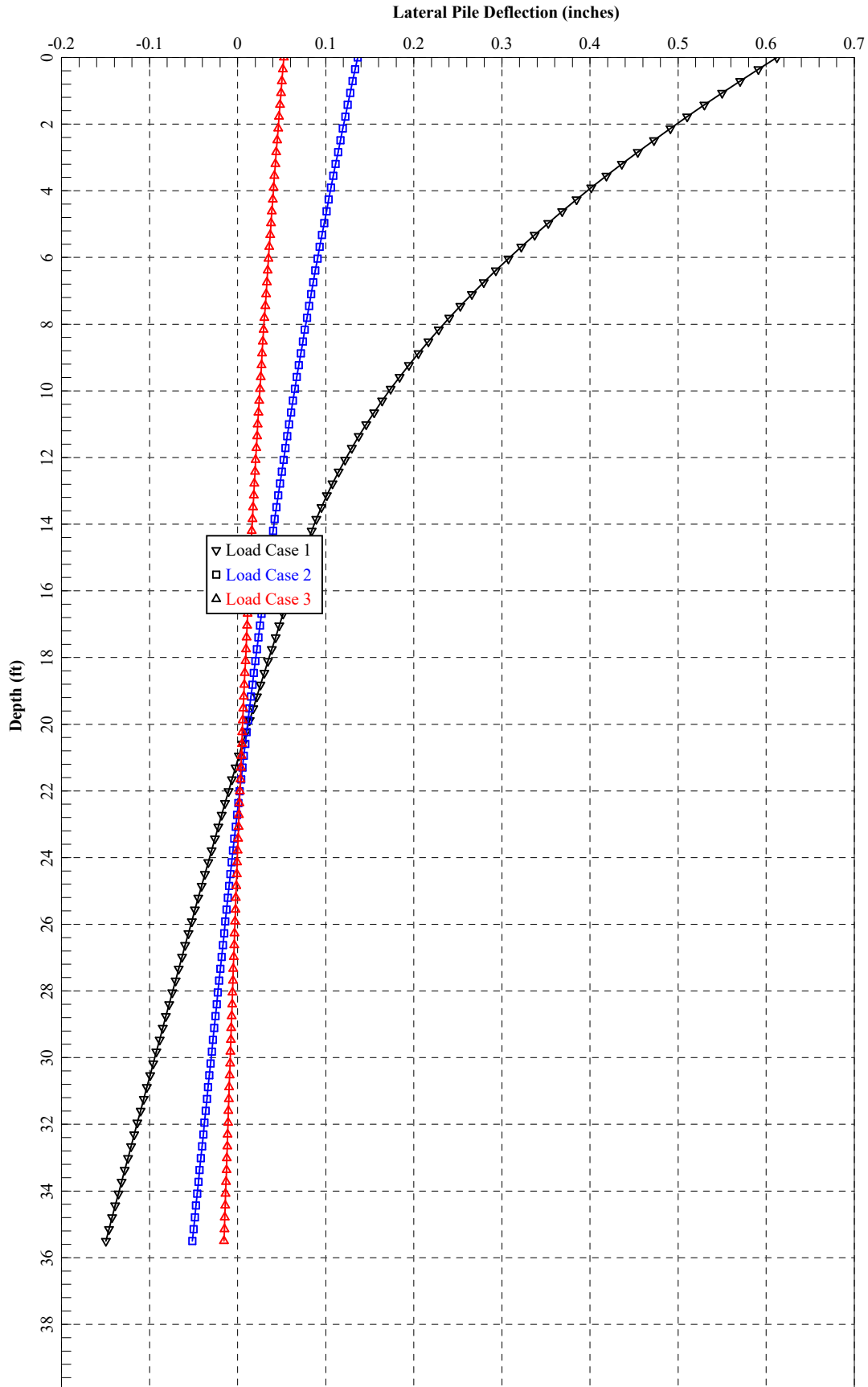
Load Type 1: Load 1 = Shear, V, lbs, and Load 2 = Moment, M, in-lbs  
Load Type 2: Load 1 = Shear, V, lbs, and Load 2 = Slope, S, radians  
Load Type 3: Load 1 = Shear, V, lbs, and Load 2 = Rot. Stiffness, R, in-lbs/rad.  
Load Type 4: Load 1 = Top Deflection, y, inches, and Load 2 = Moment, M, in-lbs  
Load Type 5: Load 1 = Top Deflection, y, inches, and Load 2 = Slope, S, radians

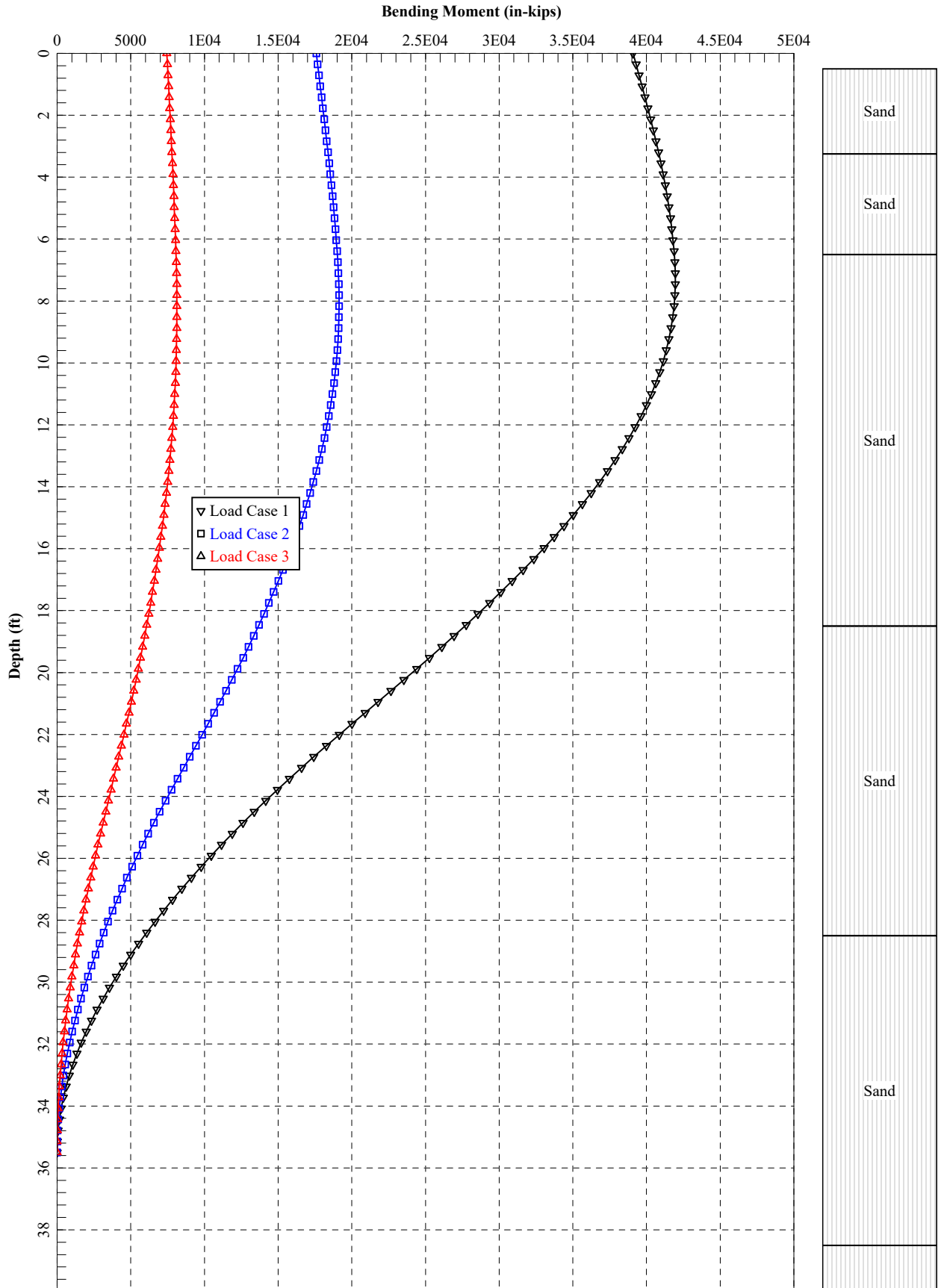
Load	Load	Axial	Pile-head	Pile-head	Max		
Shear	Max Moment		Deflection	Rotation			
Case	Type	Pile-head	Load	inches	radians		
Pile	in	Pile	Load	lbs	inches		
No.	1	2	Load	lbs	inches		
	in-lbs		Load	lbs	inches		
1	V, lb	47437.	M, in-lb	3.91E+07	66738.	0.6121	-0.00501
-206811.	4.20E+07						
2	V, lb	21347.	M, in-lb	1.76E+07	41711.	0.1363	-6.75E-04
-97600.	1.91E+07						
3	V, lb	9065.	M, in-lb	7452106.	80673.	0.05245	-2.60E-04
-41604.	8131556.						

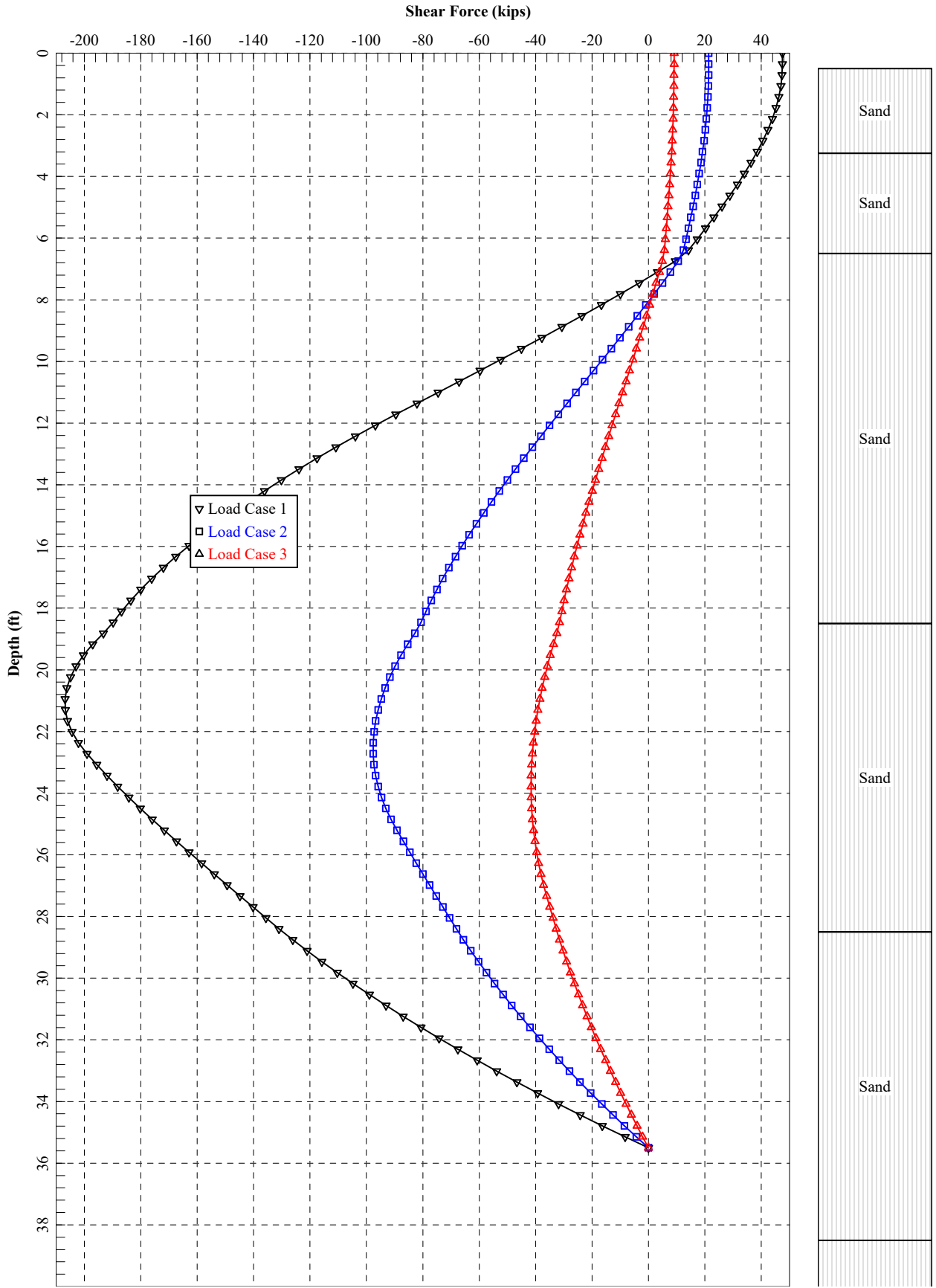
Maximum pile-head deflection = 0.6121371123 inches  
Maximum pile-head rotation = -0.0050068379 radians = -0.286871 deg.

The analysis ended normally.

Page 44

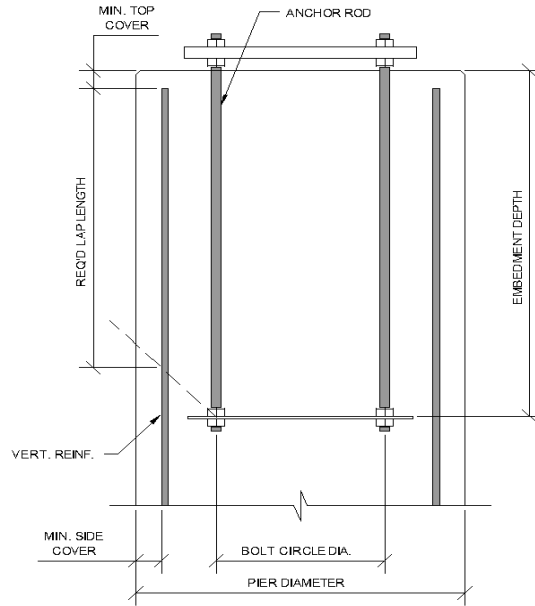






### Anchorage Embedment Design

Vertical Bar Size:	#8	
Conc. Comp. Strength:	4000	psi
Pier Diameter:	7.5	ft
Pier Depth:	6	ft
Top of Pier Elevation:	6	inches
Concrete Volume	10.6	yards
Side Conc. Cover:	4	inches
Top Conc. Cover:	3	inches
Bolt Circle Dia.:	68	inches
Horizontal Tie Size:	#4	
# Anchor Rods:	8	
Anchor Rod Dia:	2.25	inches
$\psi_t$ (bar loc. factor):	1.0	ACI 12.2.4a
$\psi_e$ (epoxy coating factor):	1.0	ACI 12.2.4b
$\psi_s$ (bar size factor):	1.0	ACI 12.2.4.c
$\lambda$ (concrete type factor):	1.0	ACI 12.2.4.d
Bar Diameter:	1.0	in
Horiz. Tie Diameter:	0.5	in
Min. Clr Dist. Btwn Anchor & Vert:	4.4	in
Req'd Lap Length:	37.0	in ACI 12.2.2
<b>Min. Required Embedment Depth:</b>	<b>46.0</b>	<b>in</b>

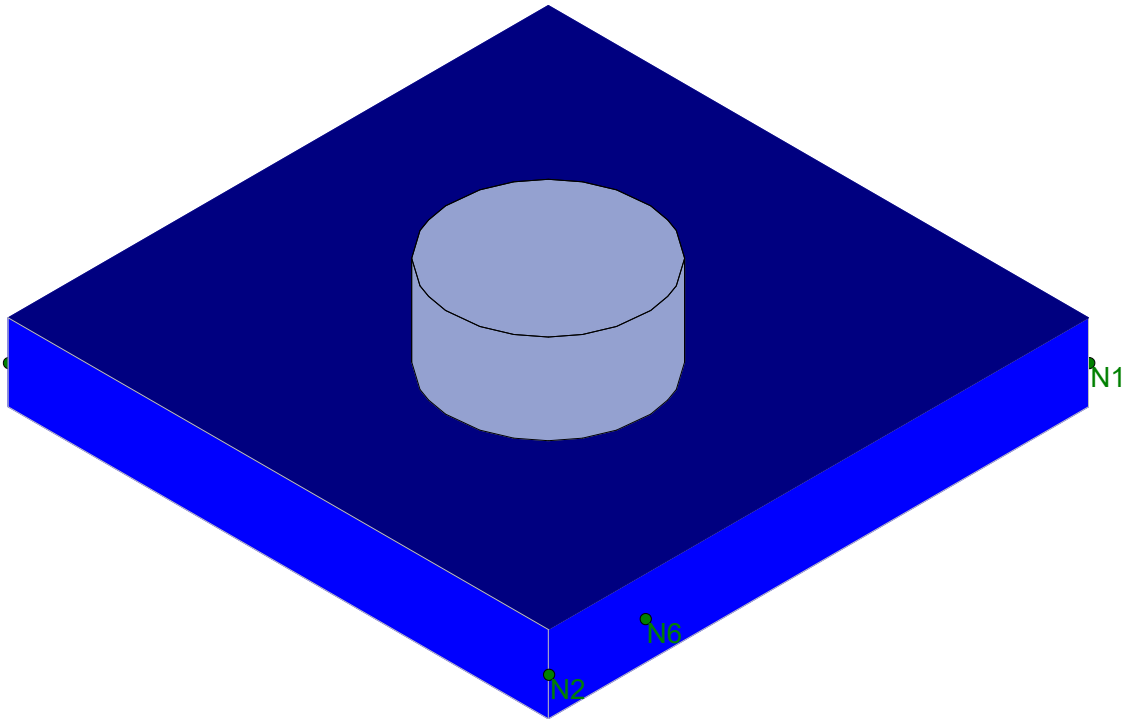
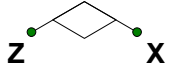


Required Lap Length + Max distance between anchor and rod + 0.5\*Bar diameter + 0.5\*Anchor diameter + Top cover

### Transverse Reinforcement Design

(see IBC Sections 1810.3.9.4.1 and 1810.3.9.4.2)

Seismic Design Category:	A	
Site Class:	D	
Type of Transverse Reinforcement:	Spiral	
Transverse $f_{yt}$ :	60	ksi
Seismic Hooks Required?	No	
Tie Size OK?	Yes	
Tie Spacing:	6	in
Total Pier Length	6.5	ft



Results for LC 2, D

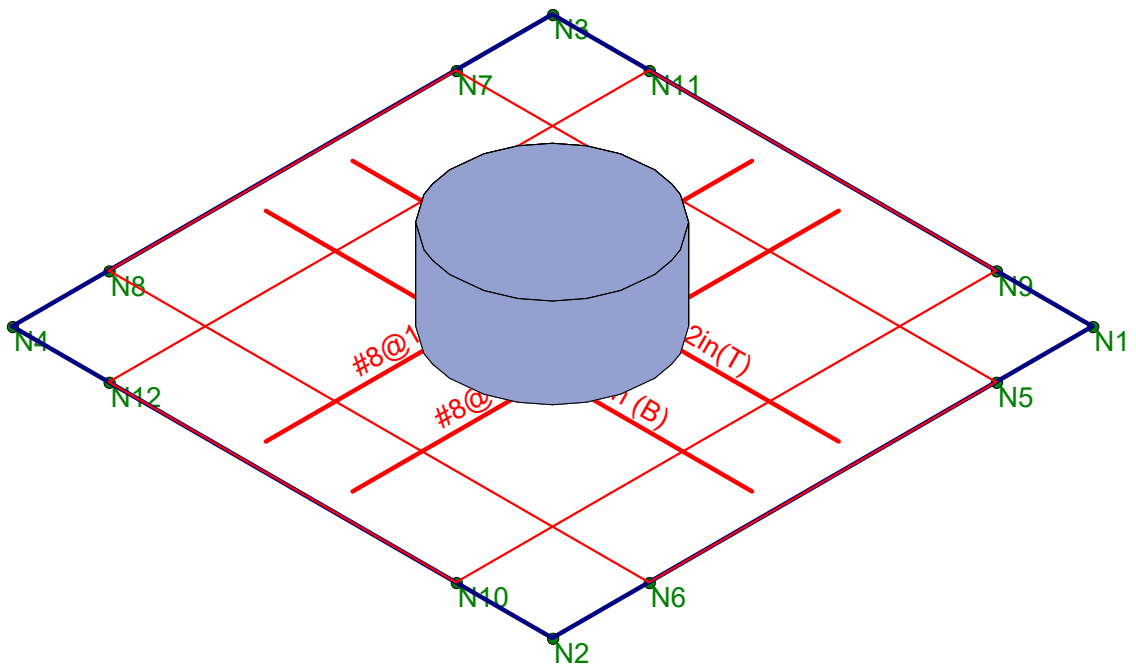
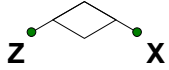
Vector Structural Engineeri...  
dfoulger  
U0142-705-181

Ft. Pierce Orave Ave

SK - 1

Sept 13, 2018 at 3:03 PM

Ft. Pierce Orange Ave BP.rt3



Results for LC 2, D

Vector Structural Engineeri...	Ft. Pierce Orave Ave	SK - 2
dfoulger		Sept 13, 2018 at 3:03 PM
U0142-705-181		Ft. Pierce Orange Ave BP.rt3





Company : Vector Structural Engineering  
 Designer : dfoulger  
 Job Number : U0142-705-181  
 Model Name : Ft. Pierce Orave Ave

Sept 13, 2018  
 3:03 PM  
 Checked By: \_\_\_\_\_

**Point Loads and Moments (Cat 16 : OL1) (Continued)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	Z	-28.462
2	R3D_N22	MX	-1932.74

**Point Loads and Moments (Cat 17 : OL2)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	X	14.231
2	R3D N22	Z	-24.649
3	R3D N22	MX	-1673.803
4	R3D_N22	MZ	-966.371

**Point Loads and Moments (Cat 18 : OL3)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	X	20.126
2	R3D N22	Z	-20.126
3	R3D N22	MX	-1366.653
4	R3D_N22	MZ	-1366.653

**Point Loads and Moments (Cat 19 : OL4)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	X	24.649
2	R3D N22	Z	-14.231
3	R3D N22	MX	-966.371
4	R3D_N22	MZ	-1673.803

**Point Loads and Moments (Cat 20 : OL5)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	X	28.462
2	R3D_N22	MZ	-1932.74

**Point Loads and Moments (Cat 21 : OL6)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	Z	28.462
2	R3D_N22	MX	1932.74

**Point Loads and Moments (Cat 22 : OL7)**

	Label	Direction	Magnitude[k,k-ft]
1	R3D N22	X	-28.462
2	R3D_N22	MZ	1932.74

**Area Loads (Cat 1 : DL)**

	Label	Base Mag[ksf]	Peak Mag[ksf]
1	AL1	.345	.345

**Slabs**

	Label	Thickness [in]	Material	Local Axis Angle [d...]	Analysis Offset [in]	Passive Pressure [k...Soil Overb...
1	S1	36	Conc4000NW	0	0	0

**Load Combinations**

	Label	So..Se..A...	SF	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...	Cat...Fac...
1	Service														
2	D	YesYes	1....	DL	1										
3	D+0.6(0...	YesYes	1....	DL	1	OL1	.6								



Company : Vector Structural Engineering  
 Designer : dfoulger  
 Job Number : U0142-705-181  
 Model Name : Ft. Pierce Orave Ave

Sept 13, 2018  
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### Load Combinations (Continued)

Label	So	Se	A	SF	Cat	Fac	Cat	Fac	Cat	Fac	Cat	Fac	Cat	Fac	Cat	Fac	Cat	Fac	Cat	Fac
4	0.6D+0.6	Yes	Yes	1	DL	.6	OL1	.6												
5	D+0.6(30	Yes	Yes	1	DL	1	OL2	.6												
6	0.6D+0.6	Yes	Yes	1	DL	.6	OL2	.6												
7	D+0.6(45	Yes	Yes	1	DL	1	OL3	.6												
8	0.6D+0.6	Yes	Yes	1	DL	.6	OL3	.6												
9	D+0.6(60	Yes	Yes	1	DL	1	OL4	.6												
10	0.6D+0.6	Yes	Yes	1	DL	.6	OL4	.6												
11	D+0.6(90	Yes	Yes	1	DL	1	OL5	.6												
12	0.6D+0.6	Yes	Yes	1	DL	.6	OL5	.6												
13	D+0.6(18	Yes	Yes	1	DL	1	OL6	.6												
14	0.6D+0.6	Yes	Yes	1	DL	.6	OL6	.6												
15	D+0.6(27	Yes	Yes	1	DL	1	OL7	.6												
16	0.6D+0.6	Yes	Yes	1	DL	.6	OL7	.6												
17																				
18	Strength																			
19	1.4D	Yes			DL	1.4														
20	1.2D+1.0	Yes			DL	1.2	OL1	1												
21	0.9D+1.0	Yes			DL	.9	OL1	1												
22	1.2D+1.0	Yes			DL	1.2	OL2	1												
23	0.9D+1.0	Yes			DL	.9	OL2	1												
24	1.2D+1.0	Yes			DL	1.2	OL3	1												
25	0.9D+1.0	Yes			DL	.9	OL3	1												
26	1.2D+1.0	Yes			DL	1.2	OL4	1												
27	0.9D+1.0	Yes			DL	.9	OL4	1												
28	1.2D+1.0	Yes			DL	1.2	OL5	1												
29	0.9D+1.0	Yes			DL	.9	OL5	1												
30	1.2D+1.0	Yes			DL	1.2	OL6	1												
31	0.9D+1.0	Yes			DL	.9	OL6	1												
32	1.2D+1.0	Yes			DL	1.2	OL7	1												
33	0.9D+1.0	Yes			DL	.9	OL7	1												

### Design Strips

Label	Rebar Angle from Pl...	No. of Design Cuts	Design Rule	
1	DS1	0	50	Typical
2	DS2	90	50	Typical

### Pedestals/Posts

Label	Type	Shape	Material	Design Rules	Angle(deg)	Height[in]	Pedestal Layout	Shear Layout	
1	R3D_N22	Pedestal	CRND90	Conc4000NW	Typical	0	42	Use Design Rule	Use Design Rule

### Strip Reinforcing

Label	UC Top	LC	Top Bars	Governin...	UC Bot	LC	Bot Bars/...	Governin...	UC Shear	LC	Governin...	
1	DS1	.52	20	#8@12in	DS1-X26	.685	31	#8@12in	DS1-X26	.343	30	DS1-X27
2	DS2	.532	32	#8@12in	DS2-X26	.697	29	#8@12in	DS2-X26	.345	28	DS2-X26

### Pedestals/Posts Design Values

Label	UC	Gov LC	Shear UC	Gov LC	Dir	Phi Used	Vertical Reinf	Shear Reinf	
1	R3D_N22	.354	22	.034	28	x	.9	42#8	#4@16 in

### Pedestals/Posts Punching Shear Values

Label	UC	Gov LC	Location	Vuy[k]	Muz[k-ft]	Mux[k-ft]	Total Stress[...]	Phi*Vny[ksi]	
1	R3D_N22	.17	25	INTERIOR	33.287	-1467.281	-1467.281	.032	.19



Company : Vector Structural Engineering  
 Designer : dfoulger  
 Job Number : U0142-705-181  
 Model Name : Ft. Pierce Orave Ave

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### Slab Overturning Safety Factors

LC	Slab	Angle[deg]	Mo-xx[k-ft]	Ms-xx[k-ft]	Mo-zz[k-ft]	Ms-zz[k-ft]	Ms-xx/Mo-xx	Ms-zz/Mo-zz
1	2	S1	0	0	0	4037.54	9.999+	9.999+
2	3	S1	0	1270.646	4037.54	0	3.178	9.999+
3	4	S1	0	1270.646	2422.524	0	1.907	9.999+
4	5	S1	0	1100.412	4037.54	635.323	3.669	6.355
5	6	S1	0	1100.412	2422.524	635.323	2.201	3.813
6	7	S1	0	898.482	4037.54	898.482	4.494	4.494
7	8	S1	0	898.482	2422.524	898.482	2.696	2.696
8	9	S1	0	635.323	4037.54	1100.412	6.355	3.669
9	10	S1	0	635.323	2422.524	1100.412	3.813	2.201
10	11	S1	0	0	4037.54	1270.646	9.999+	3.178
11	12	S1	0	0	2422.524	1270.646	9.999+	1.907
12	13	S1	0	1270.646	4037.54	0	3.178	9.999+
13	14	S1	0	1270.646	2422.524	0	1.907	9.999+
14	15	S1	0	0	4037.54	1270.646	9.999+	3.178
15	16	S1	0	0	2422.524	1270.646	9.999+	1.907

### Slab Sliding Safety Factors

LC	Slab	Angle[deg]	Va-xx[k]	Vr-xx[k]	Va-zz[k]	Vr-zz[k]	SR-xx	SR-zz
1	2	S1	0	0	0	96.132	9.999+	9.999+
2	3	S1	0	0	0	96.132	9.999+	5.629
3	4	S1	0	0	0	57.679	9.999+	3.378
4	5	S1	0	8.539	96.132	14.789	9.999+	6.5
5	6	S1	0	8.539	57.679	14.789	6.755	3.9
6	7	S1	0	12.075	96.132	12.075	7.961	7.961
7	8	S1	0	12.075	57.679	12.075	4.777	4.777
8	9	S1	0	14.789	96.132	8.539	6.5	9.999+
9	10	S1	0	14.789	57.679	8.539	3.9	6.755
10	11	S1	0	17.077	96.132	0	5.629	9.999+
11	12	S1	0	17.077	57.679	0	3.378	9.999+
12	13	S1	0	0	96.132	17.077	9.999+	5.629
13	14	S1	0	0	57.679	17.077	9.999+	3.378
14	15	S1	0	17.077	96.132	0	5.629	9.999+
15	16	S1	0	17.077	57.679	0	3.378	9.999+

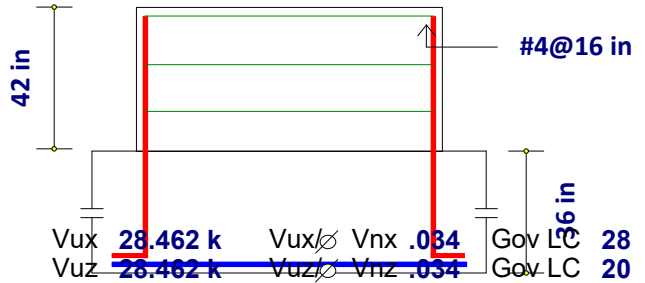
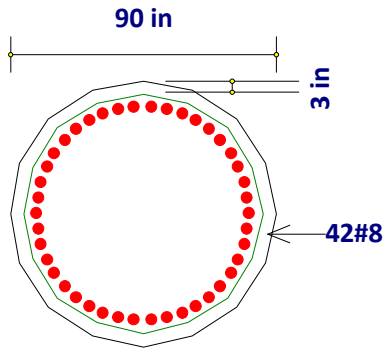
### Envelope Slab Soil Pressures

Label	UC	LC	Soil Pressure[ksf]	Allowable Bearing[ksf]	Point	
1	S1	.534	7	1.97	3.69	N1

Pedestal: **R3D\_N22**  
 Shape: **CRND90**  
 Material: **Conc4000NW**  
 Height: **42 in**  
 Location: **(0 , 0) ft**

Tension Bar Fy: **60 ksi**  
 Shear Bar Fy: **60 ksi**  
 Pedestal Cover: **3 in**  
 Rebar Set: **ASTM A615**

Stress Block: **Rectangular**  
 Design Rule: **Typical**  
 Design Code: **ACI 318-14**



**Design Results**

Shear Check Results (Envelope)

Along xx Vcx **979.041 k** Vsx **126.645 k**  
 Along zz Vcz **979.041 k** Vsx **126.645 k**  
 Shear Ties **#4 @ 16 in**

Vux **28.462 k** Vux/∅ Vnx **.034** Gov LC **28**  
 Vuz **28.462 k** Vuz/∅ Vnz **.034** Gov LC **20**

Bending Check Results

Unity Check	<b>.354</b>	Phi	<b>.9</b>	Parme Beta	<b>.65</b>
Pu	<b>0 k</b>	Mux	<b>0 k-ft</b>	Muz	<b>-2032.358 k-ft</b>
Pn	<b>0 k</b>	Mnx	<b>NA</b>	Mnz	<b>6377.51 k-ft</b>
Gov LC	<b>22</b>	Mnox	<b>NA</b>	Mnoz	<b>NA</b>
Long. Bars	<b>42 #8</b>	% Steel	<b>.519</b>		

Compression Development Length for Longitudinal Bars

Lrequired **18.974 in** Lprovided **30 in** Lreq./Lpro. **.632**

**Punching Shear Check Results**

Punching Shear Values

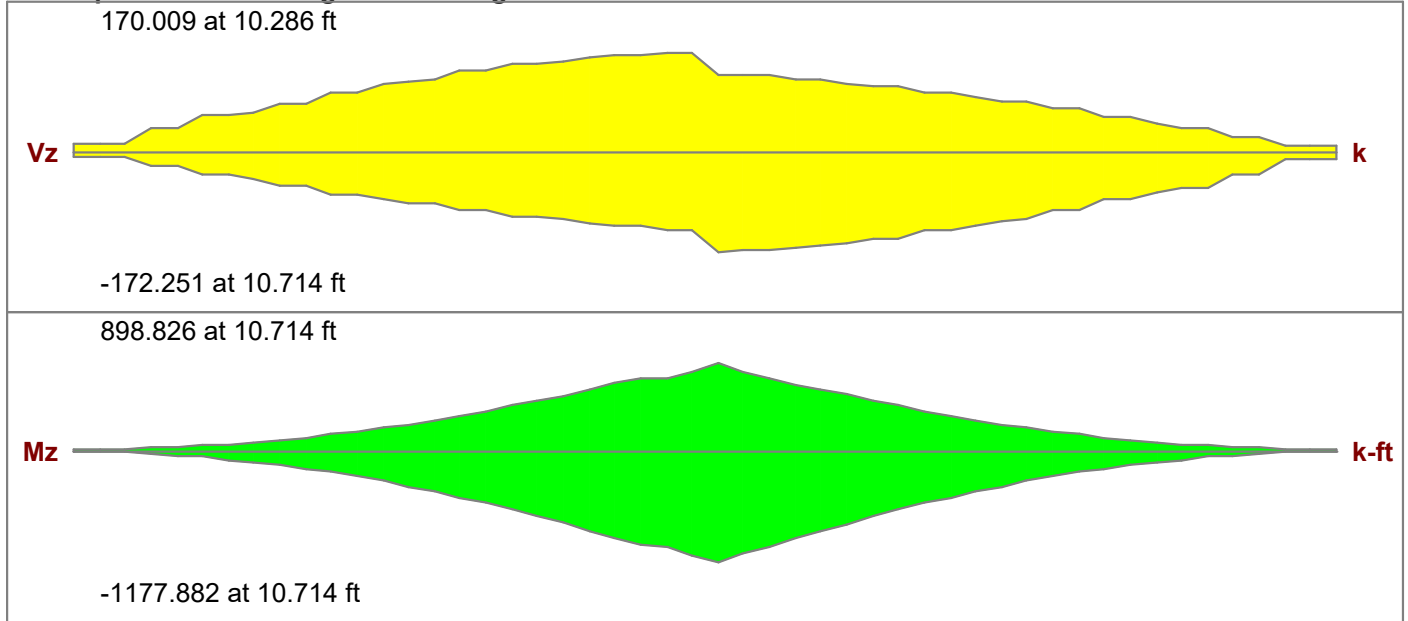
Unity Check	<b>.17</b>	Vuy	<b>33.287 k</b>	Total Stress	<b>.032 ksi</b>
Location	<b>INTERIOR</b>	Mux	<b>-1467.281 k-ft</b>	∅ vny	<b>.19 ksi</b>
Gov LC	<b>25</b>	Muz	<b>1467.281 k-ft</b>		

Punching Shear Geometries

Effective depth	<b>32.5 in</b>	Polar Moment Ixx	<b>2.439e+7 in^4</b>	Gamma xx	<b>.4</b>
L1 along zz	<b>103.186 in</b>	Polar Moment Izz	<b>2.439e+7 in^4</b>	Gamma zz	<b>.4</b>
L2 along xx	<b>103.186 in</b>				

Strip:	<b>DS2</b>	Max Top bar Spac.:	<b>12 in</b>	Stress Block:	<b>Rectangular</b>
Material:	<b>Conc4000NW</b>	Min Top bar Spac.:	<b>6 in</b>	Rebar Orientation:	<b>90</b>
Strip Width:	<b>162 in</b>	Max Bot bar Spac.:	<b>12 in</b>	Rebar Spacing Inc:	<b>1 in</b>
Total Cuts:	<b>50</b>	Min Bot bar Spac.:	<b>6 in</b>	Design Rule:	<b>Typical</b>

**Enveloped Shear/Bending Moment diagrams**



**ACI 318-14 Code Check**

Top Bending Check	<b>0.532</b>	Bot Bending Check	<b>0.697</b>	1 Way Shear Check	<b>0.345</b>
Gov Mu Top	<b>898.826 k-ft</b>	Gov Mu Bot	<b>-1177.882 k-ft</b>	Gov Vu	<b>172.251 k</b>
phi*Mn Top	<b>1688.95 k-ft</b>	phi*Mn Bot	<b>1688.95 k-ft</b>	phi*Vn	<b>499.482 k</b>
Governing Cut	<b>DS2-X26</b>	Governing Cut	<b>DS2-X26</b>	Governing Cut	<b>DS2-X26</b>
Governing LC	<b>32</b>	Governing LC	<b>29</b>	Governing LC	<b>28</b>
Tension Bar Fy	<b>60 ksi</b>	Concrete Weight	<b>.145 k/ft^3</b>	Top Cover	<b>3 in</b>
Shear Bar Fy	<b>60 ksi</b>	λ	<b>1</b>	Bottom Cover	<b>3 in</b>
F'c	<b>4 ksi</b>	E_Concrete	<b>3644 ksi</b>	Rho Top Prvd	<b>0.00224</b>
Flex. Rebar Set	<b>ASTM A615</b>	Rho Bot Prvd	<b>0.00224</b>	Prvd Top Bar Spac.	<b>#8@12in</b>
		Prvd Bot Bar Spac.	<b>#8@12in</b>		

**Bending Steel Reqd/Prvd, Units: in^2)**

Cut Label	Top As Reqd	Top As Prvd	Bot As Reqd	Bot As Prvd	Rho Reqd(T/S)	Rho Reqd(Flex)	Rho Prvd(Gross)
<b>DS2-X26</b>	<b>7.784</b>	<b>11.781</b>	<b>10.243</b>	<b>11.781</b>	<b>0.00180</b>	<b>0.00180</b>	<b>0.00404</b>

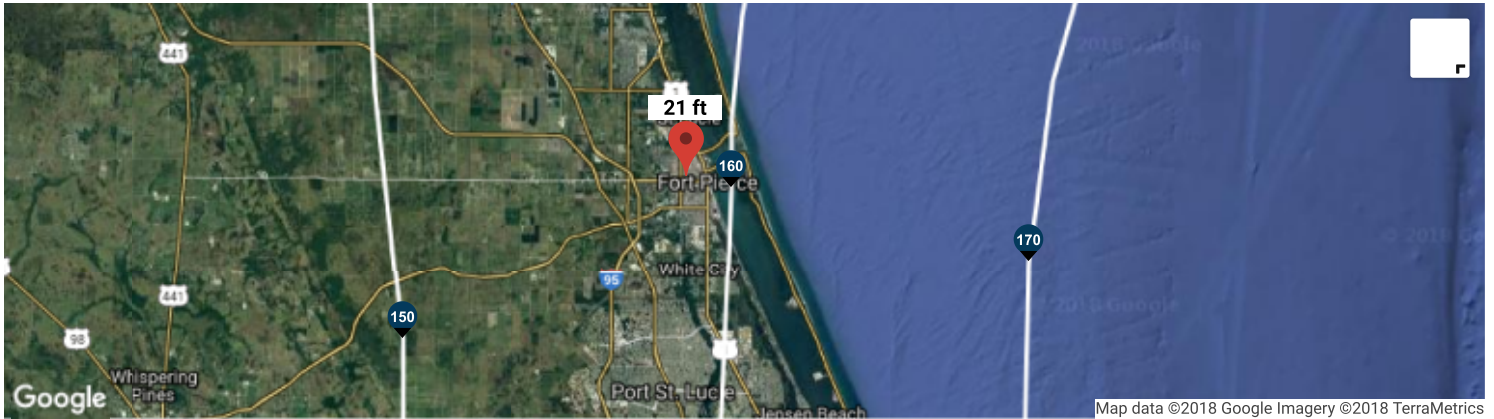
⚠ This is a beta release of the new ATC Hazards by Location website. Please contact us with feedback.

# ATC Hazards by Location

## Search Information

Coordinates: 27.4475, -80.3455  
 Timestamp: 2018-09-10T23:38:46.258Z  
 Hazard Type: Wind

## Map Results



## Text Results

### ASCE 7-16

- MRI 10-Year ..... 88 mph
- MRI 25-Year ..... 107 mph
- MRI 50-Year ..... 119 mph
- MRI 100-Year ..... ⚠ 131 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

- Risk Category I ..... ⚠ 147 mph

You are in a wind-borne debris region.

- Risk Category II ..... ⚠ 159 mph

You are in a wind-borne debris region.

- Risk Category III ..... ⚠ 170 mph

If the structure under consideration is a healthcare facility, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

- Risk Category IV ..... ⚠ 182 mph

You are in a wind-borne debris region.

### ASCE 7-10

- MRI 10-Year ..... 88 mph
- MRI 25-Year ..... 107 mph
- MRI 50-Year ..... 119 mph

**MRI 100-Year** .....  131 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

**Risk Category I** .....  147 mph

You are in a wind-borne debris region.

**Risk Category II** .....  159 mph

You are in a wind-borne debris region.

**Risk Category III-IV** .....  170 mph

If the structure under consideration is a healthcare facility, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

## **ASCE 7-05**

**ASCE 7-05 Wind Speed** .....  140 mph

You are in a wind-borne debris region.

*The results indicated here DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.*

### **Disclaimer**

Hazard loads are interpolated from data provided in ASCE 7 and rounded up to the nearest whole integer. Per ASCE 7, islands and coastal areas outside the last contour should use the last wind speed contour of the coastal area – in some cases, this website will extrapolate past the last wind speed contour and therefore, provide a wind speed that is slightly higher. NOTE: For queries near wind-borne debris region boundaries, the resulting determination is sensitive to rounding which may affect whether or not it is considered to be within a wind-borne debris region.

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NORTH CHARLESTON, SC 29418  
P: (800)-755-0689 / F: (843)-207-0207  
WWW.STEALTHCONCEALMENT.COM  
PROJECT MANAGER:  
CAROLINE WATSON ; (843)-574-9626

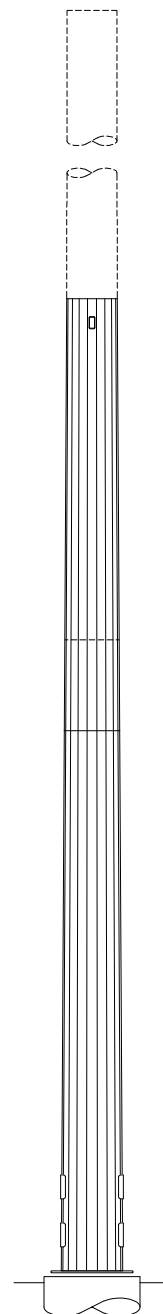
## FINAL ENGINEERING

**RG TOWERS**  
**FT. PIERCE ORANGE AVE**  
**BASE POLE**  
**2006 ORANGE AVENUE**  
**FT. PIERCE, FL 34950**

**STEALTH JOB #: RG18-01105W-05R1**

### DRAWING INDEX

T1	TITLE SHEET
N1-N2	NOTES & SPECIFICATIONS
S1	ELEVATION
S2-S3	DETAILS
S4	DRILLED PIER FOUNDATION
S5	MAT FOUNDATION



09/13/2018



<b>T1</b>	REVISION
	<b>0</b>
9/13/18	

**DESIGN NOTES:**

STRUCTURAL DESIGN IS BASED ON THE FLORIDA BUILDING CODE, 2017 EDITION (2015 IBC) & THE TIA-222-G STANDARD.

**DESIGN LOADS:**

WIND:  
BASIC WIND SPEED: 159 MPH (3-SEC GUST) PER ASCE 7-10 STANDARD  
IMPORTANCE FACTOR: 1.00  
STRUCTURE CLASS: II  
EXPOSURE: C  
TOPOGRAPHIC CATEGORY: 1  
CREST HEIGHT: 0 FT

ICE: NONE

**ESTIMATED WEIGHT:**

33.4 k (1.0 DEAD)

**REACTIONS:**

SHEAR, V = 28.4 k (1.0 WIND)  
AXIAL, P = 40.0 k (1.2 DEAD)  
MOMENT, M = 1,940 k-ft (1.0 WIND)

THE REACTIONS V & M LISTED ABOVE SHALL BE CONSIDERED TO ACT IN ANY HORIZONTAL DIRECTION.

**DESIGN:**

1. ENGINEERING AND DESIGN CALCULATIONS FOR STEALTH® POLE AND TOWER PRODUCTS ARE PREPARED IN ACCORDANCE WITH THE TIA-222-G. OTHER STRUCTURES ARE DESIGNED IN ACCORDANCE WITH APPLICABLE LOCAL OR NATIONAL STANDARDS AND PER CLIENT INPUT.

**SPECIAL INSPECTIONS & STRUCTURAL OBSERVATION:**

- STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED AS REQUIRED BY THE BUILDING CODE TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
- NO FIELD WELDING SHALL BE PERMITTED.
- THE FOLLOWING SPECIAL INSPECTIONS (WHERE APPLICABLE) SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE.
  - PERIODIC SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING (WHEN APPLICABLE)
  - PERIODIC SPECIAL INSPECTION OF PLACEMENT OF REINFORCING STEEL
  - CONTINUOUS SPECIAL INSPECTION OF ANCHOR BOLTS PRIOR TO AND DURING CONCRETE PLACEMENT
  - CONTINUOUS SPECIAL INSPECTION OF CONCRETE PLACEMENT
  - CONTINUOUS SPECIAL INSPECTION OF DRILLING OPERATIONS FOR PIER FOUNDATIONS
  - CONTINUOUS SPECIAL INSPECTION TO VERIFY LOCATION, PLUMBNESS, DIAMETER, AND LENGTH OF PIER FOUNDATIONS
  - PERIODIC SPECIAL INSPECTION OF FORM WORK SHAPE, LOCATION & DIMENSIONS
  - PERIODIC SPECIAL INSPECTION OF SOILS PER CHAPTER 17 OF BUILDING CODE
- SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.
- NO STRUCTURAL OBSERVATION IS REQUIRED.

**GENERAL**

- THE TYPICAL NOTES SHALL APPLY FOR ALL CASES UNLESS OTHERWISE SPECIFICALLY DETAILED WITHIN THE DRAWINGS. SOME NOTES MAY NOT BE APPLICABLE IN PART OR IN WHOLE FOR EVERY PROJECT.
- ANY ITEMS REFERENCED AS BEING ON "HOLD" ARE TO BE INCLUDED IN THE WORK AS SHOWN. HOWEVER, CONSTRUCTION OR FABRICATION IS NOT TO BEGIN UNTIL THE "HOLD" REFERENCE IS REMOVED.
- DIMENSIONS CONTAINED WITHIN MUST BE FIELD VERIFIED AND CUSTOMER APPROVED PRIOR TO FABRICATION OF MATERIALS.
- THE MODIFICATIONS DEPICTED IN THESE DRAWINGS ARE INTENDED TO PROVIDE STRUCTURAL SUPPORT FOR THE ADDITION OF THE ANTENNA SCREENING SYSTEMS OUTLINED WITHIN. THE EXISTING STRUCTURE OR BUILDING SHALL BE ANALYZED AND RETROFITTED AS REQUIRED, BY OTHERS, TO WITHSTAND THE LOADS IMPOSED BY THE NEW STEALTH® ENCLOSURE SHOWN ON THE DRAWINGS.
- ANTENNA CONCEALMENT PRODUCTS SHALL BE INSTALLED BY A CONTRACTOR EXPERIENCED IN SIMILAR WORK. CARE SHALL BE TAKEN IN THE INSTALLATION OF ANY AND ALL MEMBERS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS AND PROCEDURES. ALL APPLICABLE OSHA SAFETY GUIDELINES ARE TO BE FOLLOWED. STEALTH® IS NOT PROVIDING FIELD INSTALLATION SUPERVISION.
- THESE DRAWINGS INDICATE THE MAJOR OPERATIONS TO BE PERFORMED, BUT DO NOT SHOW EVERY FIELD CONDITION THAT MAY BE ENCOUNTERED. THEREFORE, PRIOR TO BEGINNING OF WORK THE CONTRACTOR SHOULD SURVEY THE JOB SITE THOROUGHLY TO MINIMIZE FIELD PROBLEMS.
- PROTECTION OF EXISTING STRUCTURES DURING THE COURSE OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- THE STRUCTURAL INTEGRITY OF THIS STRUCTURE IS DESIGNED TO BE ATTAINED IN ITS COMPLETED STATE. WHILE UNDER CONSTRUCTION ANY TEMPORARY BRACING OR SHORING WHICH MAY BE REQUIRED TO MAINTAIN STABILITY PRIOR TO COMPLETION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- THE PLANS AND DETAILS WITHIN DO NOT INCLUDE DETAILS OR DESIGN FOR DRAINAGE FROM OR WATERPROOFING OF EXTERIOR OR INTERIOR SURFACES OF THE EXISTING BUILDING OR STRUCTURE. THESE DETAILS MUST BE COMPLETED BY OTHERS.
- CONTRACTOR TO SHIM BASEPLATE AS REQUIRED TO ENSURE LEVEL SURFACE.

**MATERIAL NOTES:**

- 18-SIDED MONOPOLE SHAFT STEEL SHALL CONFORM w/ ASTM A572 GR. 65, U.N.O.
- BASE PLATE STEEL SHALL CONFORM w/ ASTM A572, GR. 50, U.N.O.
- REINFORCED ACCESS PORT STEEL SHALL CONFORM w/ ASTM A572 GR. 50 MIN., U.N.O.
- ALL OTHER STRUCTURAL STEEL SHAPES & PLATES SHALL CONFORM TO ASTM A36, U.N.O.
- ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM TO ASTM F3125 GRADE A325 SPECIFICATIONS, U.N.O. A325N AND A325X ALLOWED.
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH THE LATEST VERSION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1. ALL WELDING SHALL BE PERFORMED IN A SHOP APPROVED BY THE BUILDING OFFICIAL. STEEL WELDS SHALL BE BY E70XX LOW HYDROGEN ELECTRODES.
- ALL STEEL SURFACES SHALL BE GALVANIZED IN ACCORDANCE w/ ASTM A123 OR F2329 STANDARDS.
- ALL BOLTED CONNECTIONS SHALL BE TIGHTENED PER THE "TURN-OF-NUT" METHOD AS DEFINED BY AISC.

**COAX NOTE:**

ROUTING THE LARGE QUANTITY OF COAX CABLES THROUGH THE CONCEALMENT BULKHEADS IS POSSIBLE (WHEN LAID OUT ON PAPER), BUT WILL BE VERY DIFFICULT IN REAL WORLD FIELD CONDITIONS. WHILE THE CABLES MAY PHYSICALLY FIT THROUGH THE BASE FLANGE ON TOP OF THE MONOPOLE AND THE SUBSEQUENT STEEL BULKHEADS ABOVE, ROUTING THEM PAST THE ANTENNAS IS UNPREDICTABLE, DEPENDING ON THE ANTENNA MOUNTING HARDWARE EMPLOYED, COAX CONNECTOR TYPE(S) USED, COAX ROUTING, AND RELATIVE AZIMUTH DIRECTIONS OF THE ANTENNAS IN THE POLE. STEALTH® CAN NOT GUARANTEE THAT ALL OF THE COAX CAN BE ROUTED WITHOUT INTERFERENCE TO SOME OR ALL ANTENNAS. IT IS HIGHLY RECOMMENDED THAT THE INSTALLER MOCK UP THE COAX RUNS WITHIN THE CONCEALMENT AND DEVELOP A COAX ROUTING PLAN PRIOR TO INSTALLATION.

**STEALTHSKIN PANELS**

- FASTENER HOLES IN STEALTHSKIN FOAM COMPOSITE PANELS ARE NOT FACTORY DRILLED AND MUST BE DRILLED IN THE FIELD.
- PANEL FASTENERS TO BE SPACED 12" O.C. MAX. AND LOCATED 6" MAX. HORIZONTALLY FROM EACH EDGE AT TOP AND BOTTOM OF PANEL, UNLESS NOTED OTHERWISE. MAINTAIN 1 1/2" MIN. EDGE DISTANCE FROM ALL EDGES. 4' WIDE PANELS REQUIRE (4) FASTENERS TOP AND BOTTOM. 5' WIDE PANELS REQUIRE (5) FASTENERS TOP AND BOTTOM.
- WHEN FASTENER BOLT HEAD OR NUT BEARS DIRECTLY ON SURFACE OF STEALTHSKIN PANEL, TIGHTEN PANEL BOLTS ONLY 1/2 TURN PAST SNUG. APPLY THREAD LOCK COMPOUND TO THE THREADS OF METAL BOLTS. USE THIN BEAD OF EPOXY TO LOCK THE NUTS OF FRP BOLTS AND STEALTH® STAINLESS STEEL PANEL BOLTS. USE WASHER OR FLANGED HEAD BOLT, OR FASTENER WITH LARGE BEARING SURFACE.
- PANELS WILL EXPAND AND CONTRACT DUE TO TEMPERATURE. WHEN INSTALLING PANELS IN COLD TEMPERATURES, EVENLY SPACE PANELS ALONG LENGTH OF SCREEN WALL WITH EQUAL GAPS BETWEEN PANELS TO ALLOW FOR EXPANSION DURING WARM TEMPERATURES.
- ADJACENT FLAT PANELS ARE JOINED BY A VERTICAL FOAM SPLINE THAT IS INSERTED INTO GROOVES CUT INTO THE SIDE OF EACH PANEL. DO NOT LIFT PANELS BY GROOVES. PANELS MUST BE LIFTED WITH FORCE DIRECTED ONTO PANEL SURFACE.
- ADJACENT RADIUS PANELS ARE JOINED BY A VERTICAL H-CHANNEL. INSERT PANELS INTO EACH SIDE OF H-CHANNEL.
- RADIUS PANELS MUST BE EVENLY SPACED ALONG RADIUS SUPPORT. CONTRACTOR TO MEASURE LENGTH OF RADIUS SUPPORT AND DIVIDE BY THE NUMBER OF RADIUS PANELS TO DETERMINE PROPER SPACING. H-CHANNEL CONNECTORS ARE USED TO COVER THE GAP BETWEEN PANELS AND TO ALLOW FOR PANEL EXPANSION AND CONTRACTION.
- SURFACES OF PANELS SHALL BE COATED WITH SUITABLE PAINT FOR UV PROTECTION. TOP EDGE OF PANEL MUST BE COVERED TO PREVENT WATER TRAVEL BETWEEN PANELS. USE SHERWIN WILLIAMS "COROTHANE II" OR PRE APPROVED EQUIVALENT.
- EXPOSED TOP AND SIDE FOAM EDGES OF PANELS MUST BE COVERED OR COATED FOR UV PROTECTION. STEALTH® WILL PROVIDE PANEL EDGE CAPS (VERTICAL AND HORIZONTAL) TO BE FIELD APPLIED FOR THIS PURPOSE FOR MOST APPLICATIONS. HORIZONTAL AND VERTICAL PANEL EDGE CAPS TO BE SECURED TO THE EXPOSED EDGES OF THE PANELS WITH PROVIDED TEK SCREWS INSTALLED @ 12" MAXIMUM SPACING ON THE INSIDE FACE OF THE PANEL. IN RF SENSITIVE LOCATIONS, CONTRACTOR WILL APPLY (2) BEADS OF ADHESIVE TO EACH INSIDE CORNER OF THE EDGE CAP AND SECURE CAP TO PANEL WITH TAPE WHILE ADHESIVE CURES.
- AT CORNER APPLICATIONS, VERTICAL PANEL EDGE CAPS ARE TO BE USED TO CAP BOTH EXPOSED EDGES (1 PER CUT EDGE OF PANELS). THESE EDGE CAPS ARE TO BE CUT 1" SHORTER THAN THE PANEL AND LEAVE 1" GAP AT THE TOP TO ALLOW ROOM FOR THE THE HORIZONTAL PANEL EDGE CAP AT THE TOP. CONTRACTOR TO APPLY (2) BEADS OF ADHESIVE TO EACH EDGE CAP (INSIDE CORNERS OF CAP), AND SECURE WITH TAPE AND/OR PROVIDED SCREWS (16 TOTAL PER CORNER) WHILE THE ADHESIVE CURES. IF CORNERS ARE IN NON-RF AREAS, EDGE CAP SCREWS CAN BE LEFT IN PLACE.
- AT CORNER APPLICATIONS WITH SSV PANEL ONLY, CORNER CHANNELS ARE TO BE USED TO JOIN PANELS TOGETHER. BOTH ADJOINING PANELS WILL BE INSTERTED INTO THE CORNER CHANNEL AND SECURED USING PROVIDED NYLON PUSHpins. THE PUSHpins ARE TO BE PLACED ON THE INSIDE OF ONE OF THE PANELS ONLY @ 12" MAXIMUM SPACING.

**DISCLAIMERS:**

- ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE. REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
- ALTHOUGH RARE, EXCESSIVE DEFLECTION SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN SLIM LINE OR MONOPOLE STRUCTURES AT LOW WIND SPEEDS. BECAUSE THE PHENOMENON IS INFLUENCED BY MANY INTERACTING VARIABLES, MOVEMENT AND OSCILLATIONS ARE GENERALLY UNPREDICTABLE. THE TOWER OWNER MUST PERIODICALLY OBSERVE THE STRUCTURE FOR EXCESSIVE DEFLECTION AND ANY RESULTING STRUCTURAL DAMAGE OR BOLT LOOSENING. IN THE EVENT OF EXCESSIVE MOVEMENT, VECTOR STRUCTURAL ENGINEERS MUST BE NOTIFIED IMMEDIATELY. MODIFICATIONS TO THE STRUCTURE MAY BE REQUIRED AT THE OWNER'S EXPENSE. THE CHANGES MAY ALTER THE AESTHETIC APPEARANCE OF THE STRUCTURE.



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NORTH CHARLESTON, SC 29418  
P: (800)-755-0689 F: (843)-207-0207  
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09/13/2018

DRAWING NOT TO SCALE. UNLESS SPECIFIED OTHERWISE DIMENSIONS SHOWN ARE IN INCHES

TOLERANCES	
DECIMALS X ± 1/16" .XXX ± 0.01"	ANGULAR X ± 0.5°

NOTES & SPECIFICATIONS

RG TOWERS  
FT. PIERCE ORANGE AVE  
BASE POLE  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

N1

9/13/18

REVISION

0







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OTHERWISE DIMENSIONS SHOWN ARE IN INCHES

TOLERANCES	
DECIMALS X ± 1/16"	ANGULAR X ± 0.5°
.XXX ± 0.01"	

ELEVATION

RG TOWERS  
FT. PIERCE ORANGE AVE  
BASE POLE  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

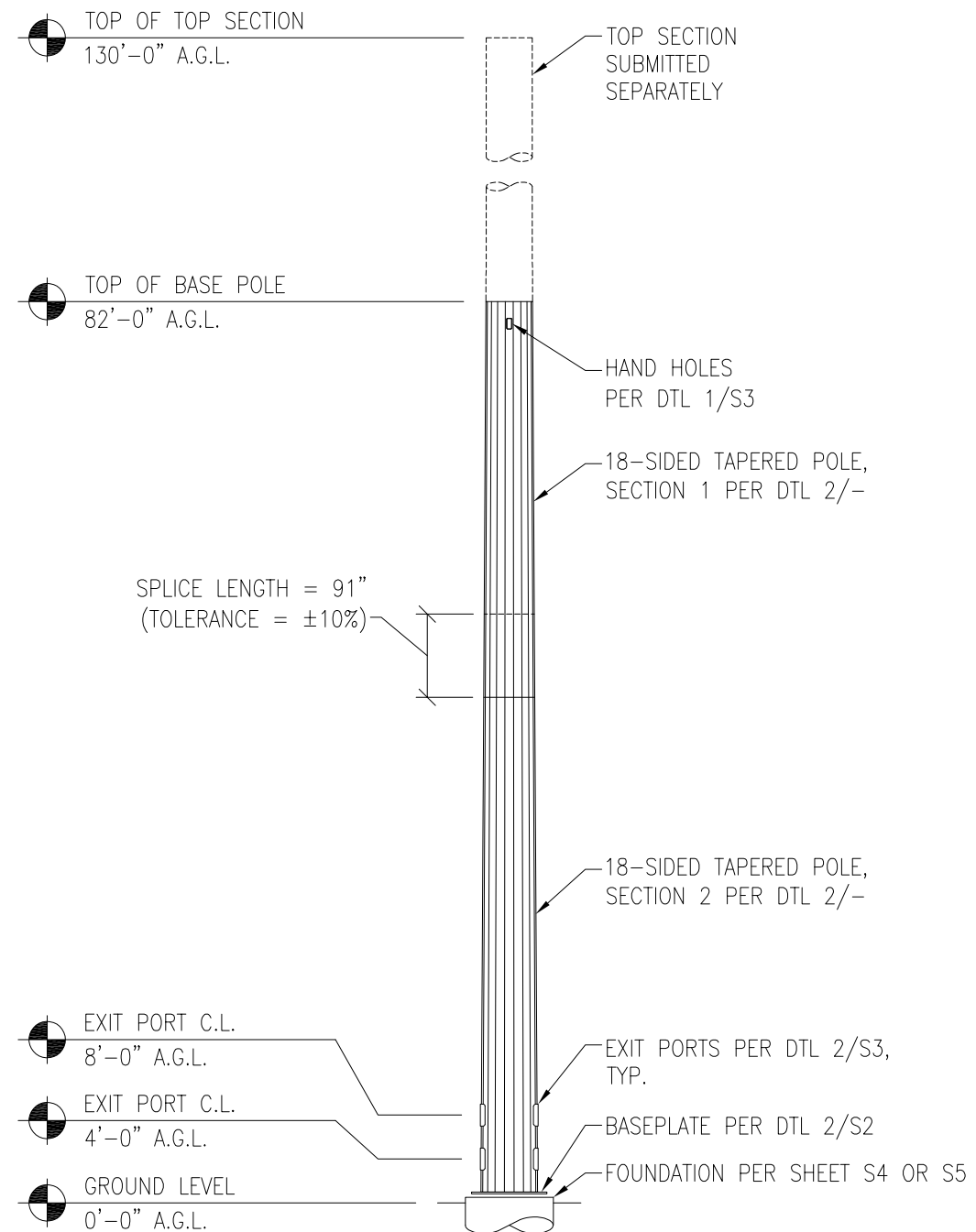
JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

**S1**

9/13/18

REVISION

0



ELEVATION VIEW

N.T.S.

1

MONOPOLE SECTION CHART<sup>2</sup>

SECTION	LENGTH	TOP <sup>4</sup> Ø	BOTTOM <sup>4</sup> Ø	THICKNESS	WEIGHT <sup>1,3</sup>
1	36'-0"	50.00"	55.04"	5/16"	6.6 K
2	52'-7"	53.35"	60.72"	5/16"	12.2 K

NOTES:

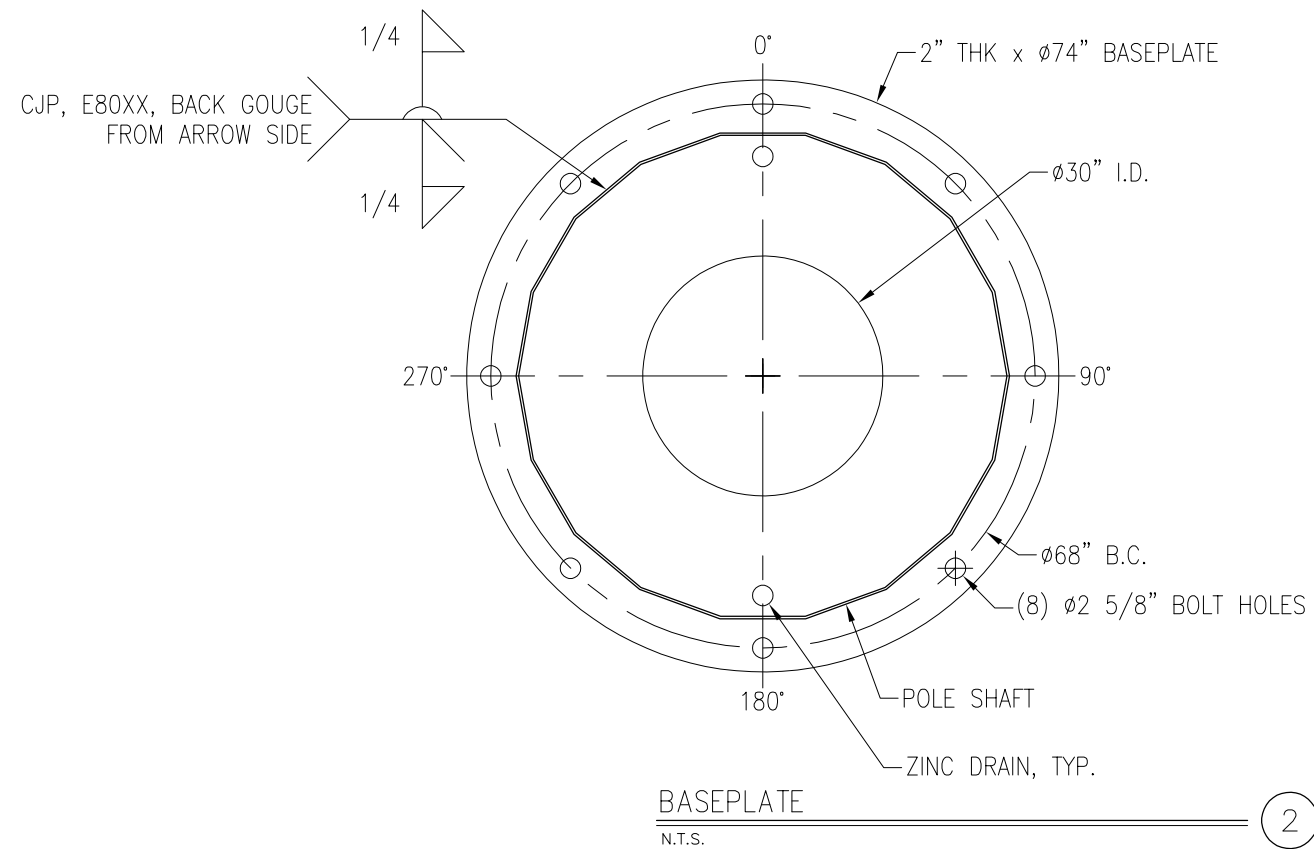
- SECTION WEIGHT INCLUDES PORTS. LOWEST SECTION WEIGHT INCLUDES BASEPLATE WEIGHT.
- DESIGN TAPER = 0.14 in/ft.
- WEIGHTS LISTED IN THIS CHART ARE RAW STEEL WEIGHTS. FINAL WEIGHTS MAY BE UP TO 22% GREATER DUE TO GALVANIZING AND OTHER MISCELLANEOUS ITEMS.
- DIAMETER OF POLE SECTIONS AT LAP SPLICES MAY BE ADJUSTED BY UP TO 0.06" TO ACCOUNT FOR THE THICKNESS OF COATINGS.

POLE SECTIONS

N.T.S.

2





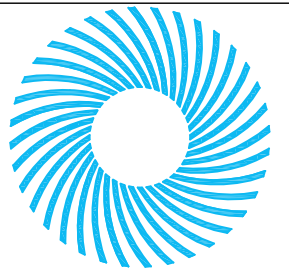
DESIGN LOADING:

- ANTENNA C.L. @ 124'-0" & 112'-0" A.G.L.:
- (2) 72.0"x25.2"x9.3" PANEL ANTENNAS
  - (2) 22"x12"x8" RRU's
  - (2) 22"x12"x7.4" RRU's
  - (1) 20.38"x18.86"x5.83" COVP
- ANTENNA C.L. @ 100'-0" & 88'-0" A.G.L.:
- (3) 96"x14.6"x7.3" PANEL ANTENNAS
  - (3) 7.62"x6.65"x3.69" TMAs
  - (3) 5.63"x3.7"x2" TMAs

NOTE: ALL EQUIPMENT TO BE ENCLOSED IN  $\phi 50$ " RADOMES

APPURTENANCES

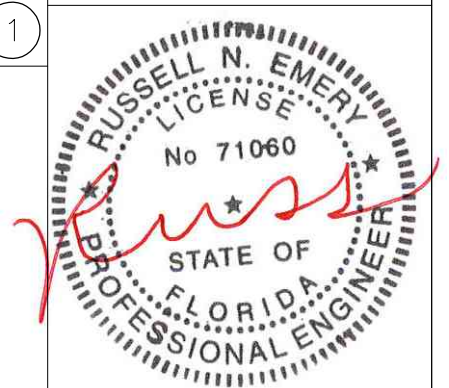
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TOLERANCES	
DECIMALS	ANGULAR
X ± 1/16"	X ± 0.5°
.XXX ± 0.01"	

**DETAILS**

RG TOWERS  
FT. PIERCE ORANGE AVE  
BASE POLE  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

**S2**

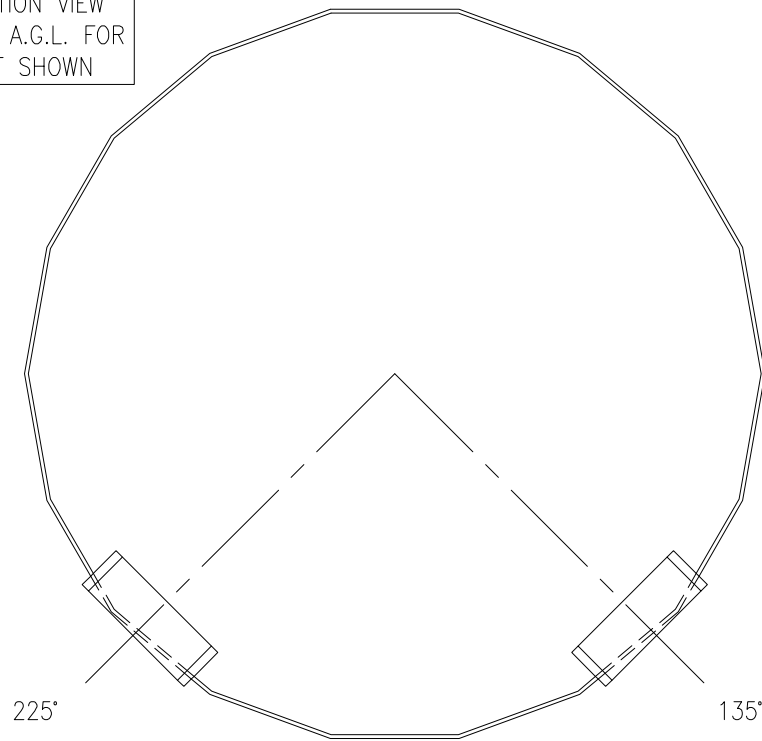
9/13/18

REVISION

0

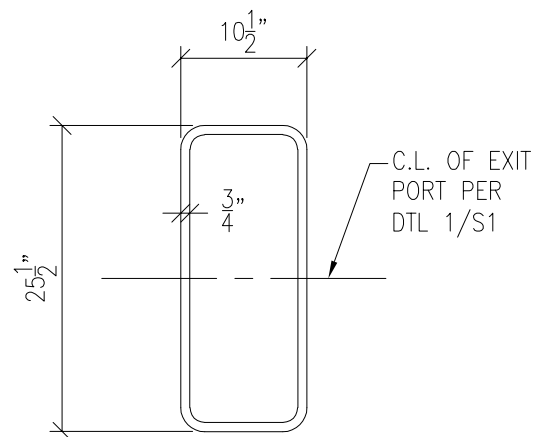


SEE SECTION VIEW  
@ 4'-0" A.G.L. FOR  
INFO NOT SHOWN

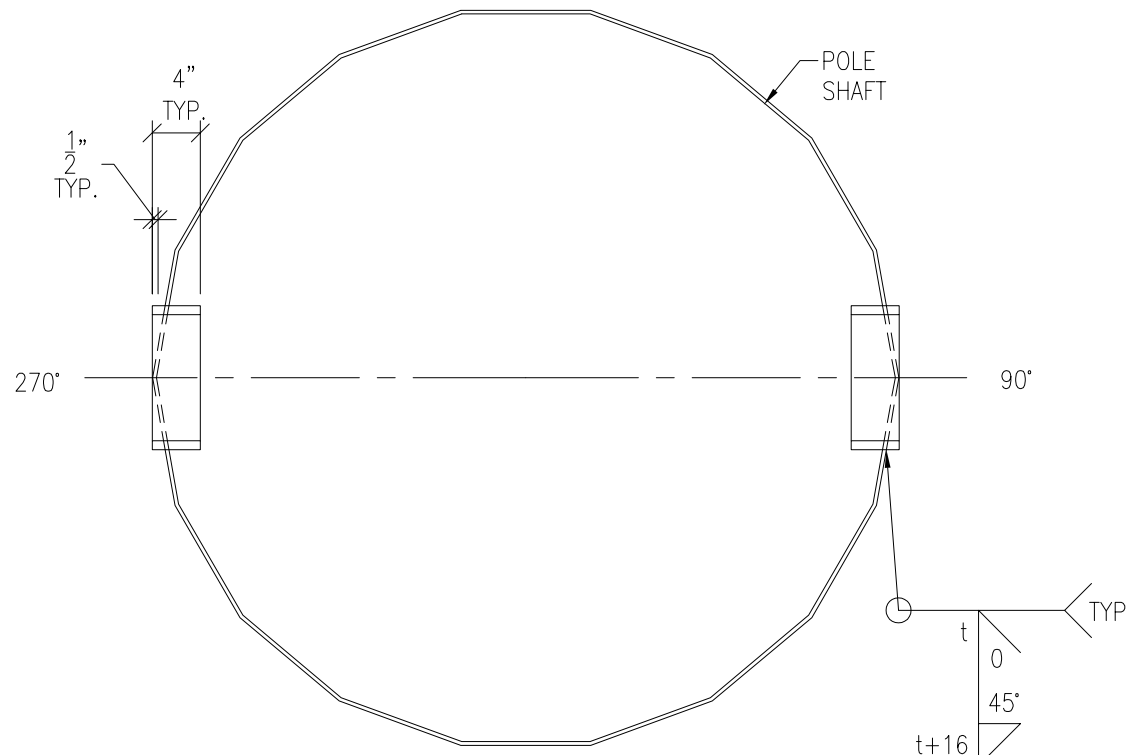


SECTION VIEW @ 8'-0" A.G.L.

NOTE: AZIMUTHS TO  
BE VERIFIED PRIOR  
TO FABRICATION



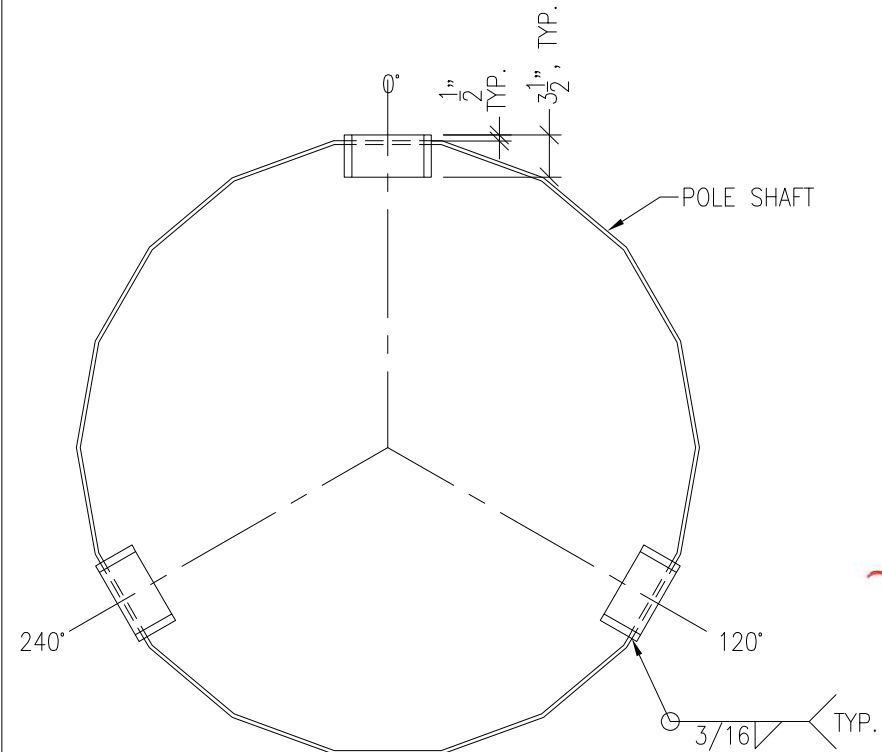
ELEVATION VIEW



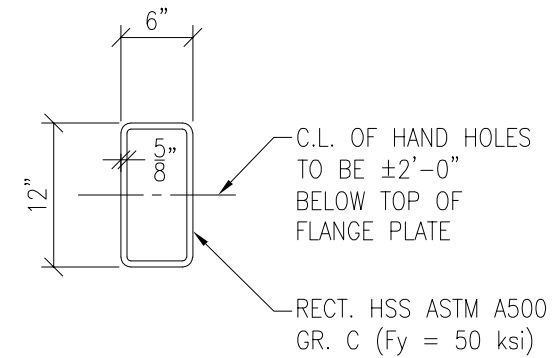
SECTION VIEW @ 4'-0" A.G.L.

REINFORCED EXIT PORTS  
N.T.S.

2



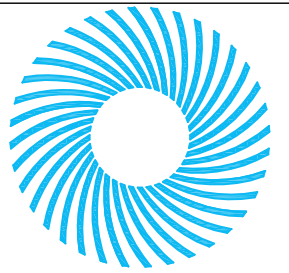
SECTION VIEW



ELEVATION VIEW

HAND HOLES  
N.T.S.

1



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TOLERANCES  
DECIMALS  
X ± 1/16"  
.XXX ± 0.01"  
ANGULAR  
X ± 0.5°

DETAILS

RG TOWERS  
FT. PIERCE ORANGE AVE  
BASE POLE  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

**S3**

9/13/18

REVISION

0

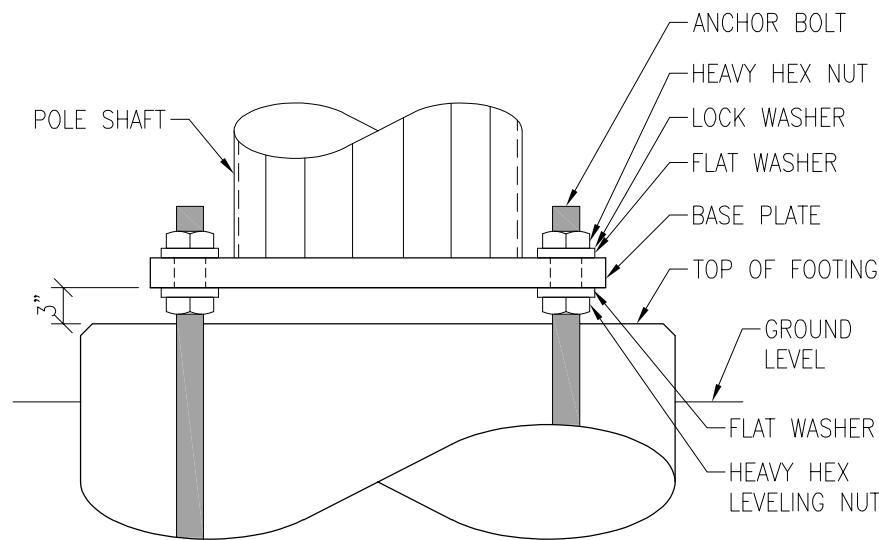


FOUNDATION NOTES:

1. FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORT:

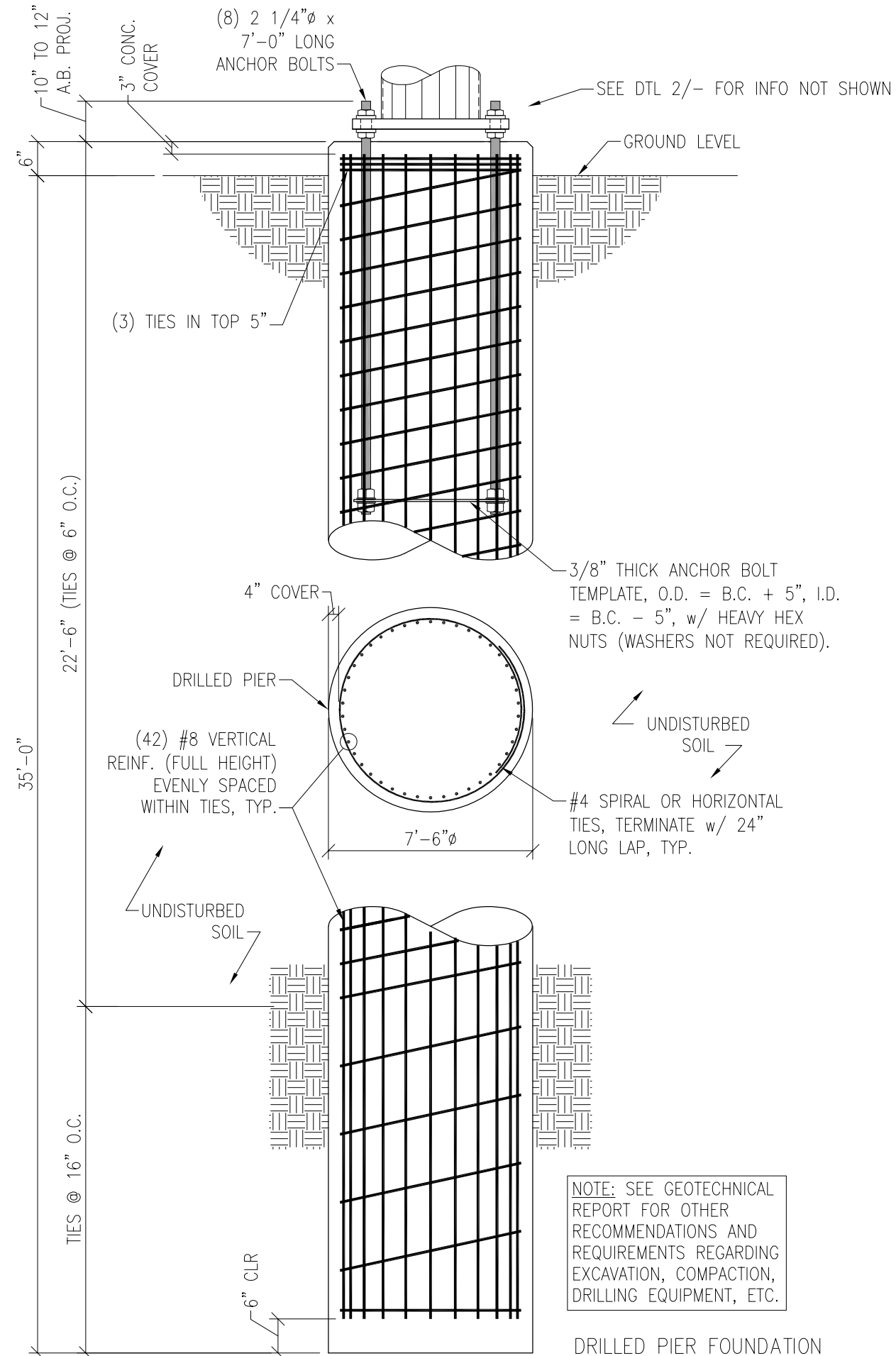
ENVIRONMENTAL CORPORATION OF AMERICA  
REPORT: T4300  
DATE: AUGUST 22, 2018

- ALL CONCRETE SHALL USE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF PSI AT 28 DAYS. CONCRETE SHALL HAVE A MINIMUM OF 6% ENTRAINED AIR (WHERE FROST DEPTH > 0"). CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.50. CONCRETE SHALL HAVE A SLUMP OF 5" (±1") UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL REPORT. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318-11. FOUNDATION INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 336, "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF DRILLED PIERS," LATEST EDITION.
- REINFORCING STEEL SHALL CONFORM WITH THE REQUIREMENTS OF ASTM A-615, GRADE 60. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315, LATEST EDITION, UNLESS DETAILED OTHERWISE ON THIS DRAWING.
- INSTALLATION OF FOUNDATION MUST BE OBSERVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER FIRM. GEOTECHNICAL ENGINEER TO PROVIDE A NOTICE OF INSPECTION FOR THE BUILDING INSPECTOR FOR REVIEW AND RECORD PURPOSES.
- CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR INFORMATION REGARDING INSTALLATION METHOD, REQUIRED INSTALLATION EQUIPMENT, AND ALL OTHER REQUIREMENTS RELATED TO THE INSTALLATION OF THE PIER.
- ALL ALL ANCHOR BOLTS SHALL CONFORM w/ ASTM A615 GR. 75, GALVANIZED U.N.O.



N.T.S. 2

**VECTOR ENGINEERS**  
651 W. GALENA PARK BLVD., SUITE 101  
DRAPER, UT 84020  
P: (801) 990-1775 F: (801) 990-1776  
VECTOR PROJECT: U0142-705-181  
FL FIRM LICENSE NUMBER: COA 26626



NOTE: SEE GEOTECHNICAL REPORT FOR OTHER RECOMMENDATIONS AND REQUIREMENTS REGARDING EXCAVATION, COMPACTION, DRILLING EQUIPMENT, ETC.

DRILLED PIER FOUNDATION  
N.T.S. 1



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TOLERANCES  
DECIMALS X ± 1/16" ANGULAR X ± 0.5°  
.XXX ± 0.01"

DRILLED PIER FOUNDATION

RG TOWERS  
FT. PIERCE ORANGE AVE  
BASE POLE  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

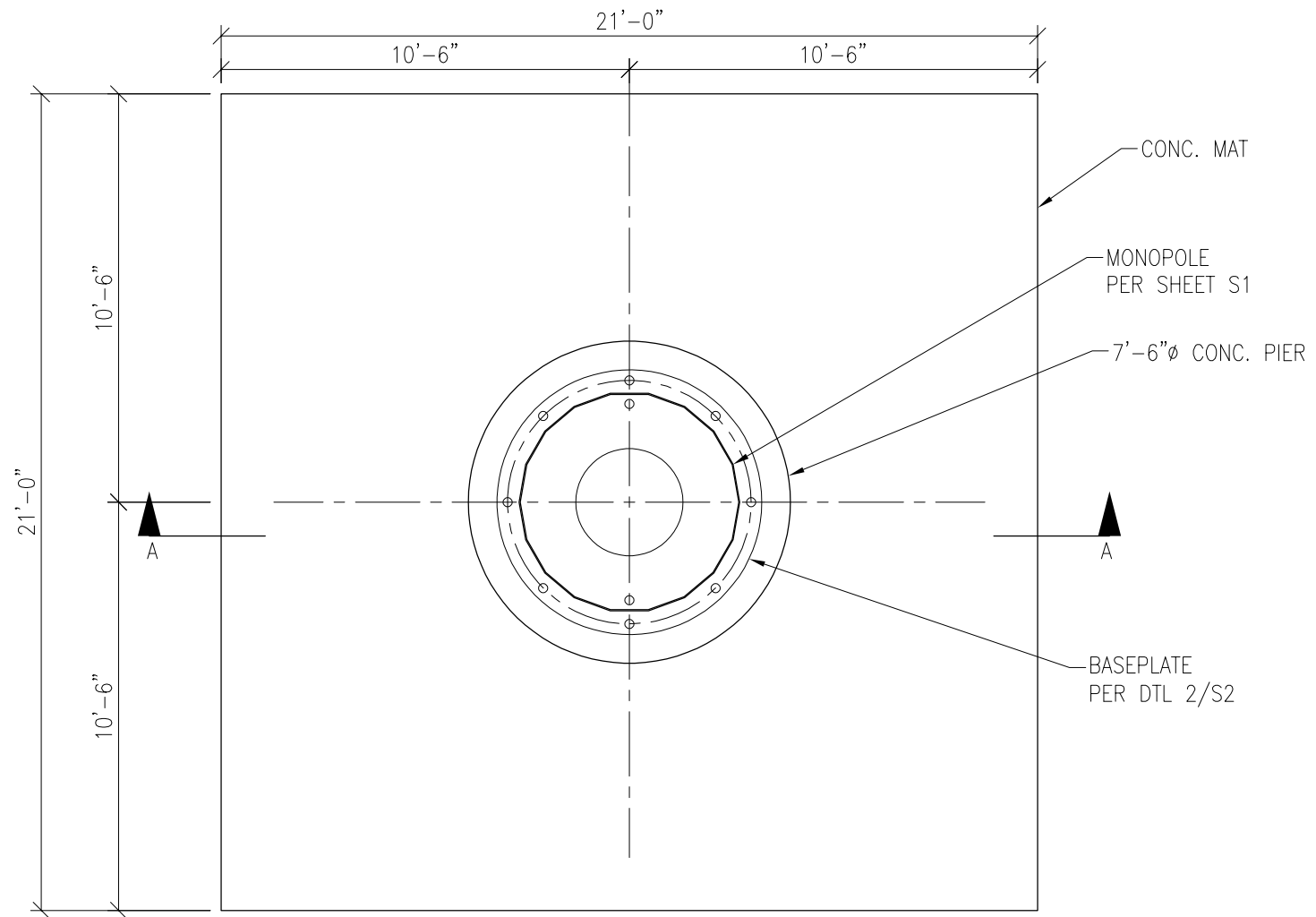
**S4**

9/13/18

REVISION  
0

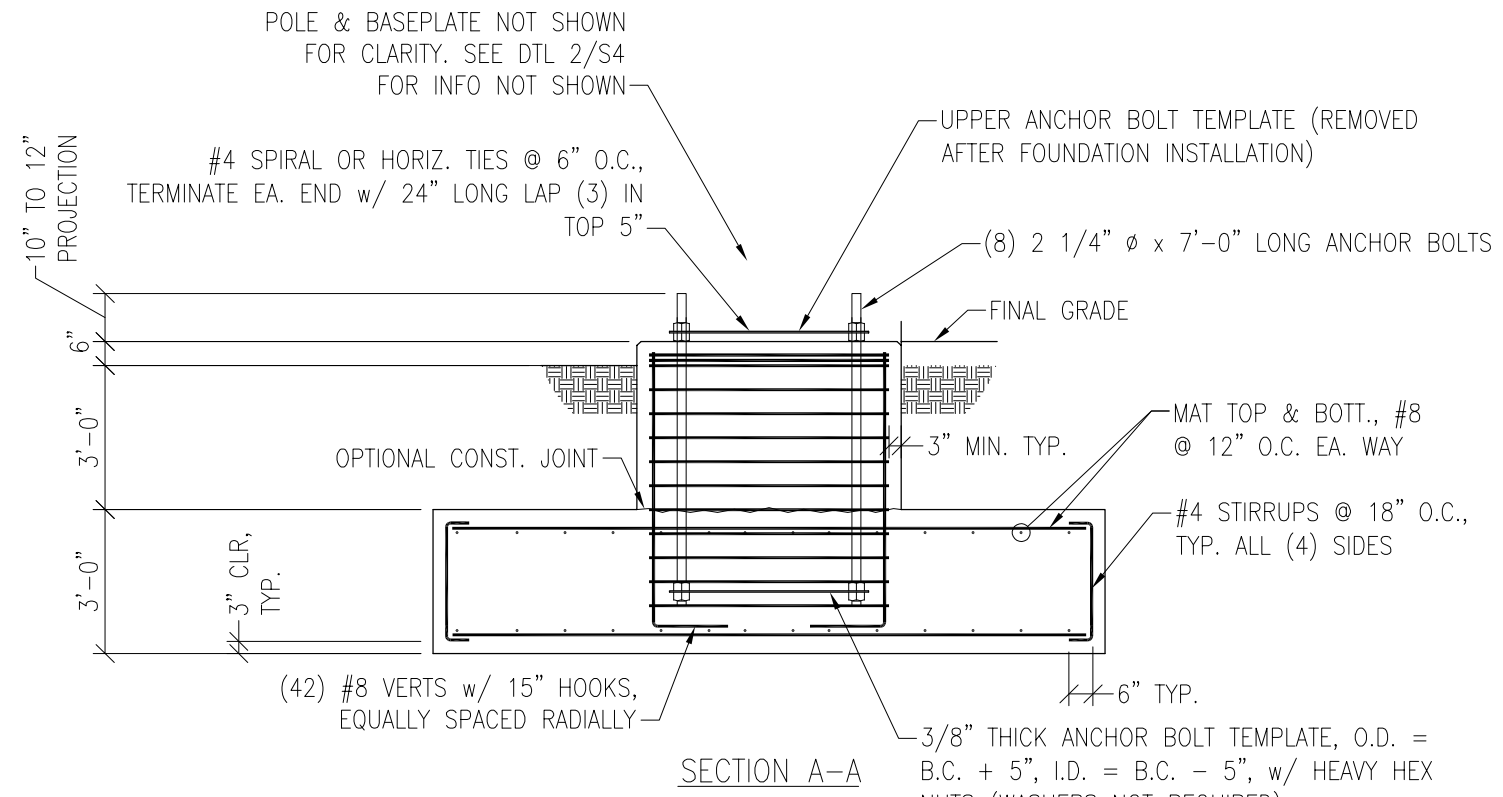
FOUNDATION NOTES:

SEE SHEET S4 FOR FOUNDATION NOTES



PLAN VIEW

POLE & BASEPLATE NOT SHOWN FOR CLARITY. SEE DTL 2/S4 FOR INFO NOT SHOWN



SECTION A-A

MAT FOUNDATION

N.T.S.



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TOLERANCES	
DECIMALS	ANGULAR
X ± 1/16"	X ± 0.5°
.XXX ± 0.01"	

MAT FOUNDATION

RG TOWERS  
FT. PIERCE ORANGE AVE  
BASE POLE  
2006 ORANGE AVENUE  
FT. PIERCE, FL 34950

JOB #: RG18-01105W-05R1  
DRAWN: LSB-VSE  
DESIGNED: DJF-VSE  
REVISED:

**S5**

9/13/18

REVISION

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**A2P0227A**  
**Ft Pierce- Orange Ave**  
**Wireless Telecommunication**  
**Facility**

**Radio Frequency (RF) Engineering Report**

Last Updated	8/10/2018
Revision Number	V1.1

## Table of Contents

Search Ring Area.....	3
Current Cell Site Coverage and Predicted Improvements.....	5
Certification Statement of Non-interference .....	6

Search Ring Area

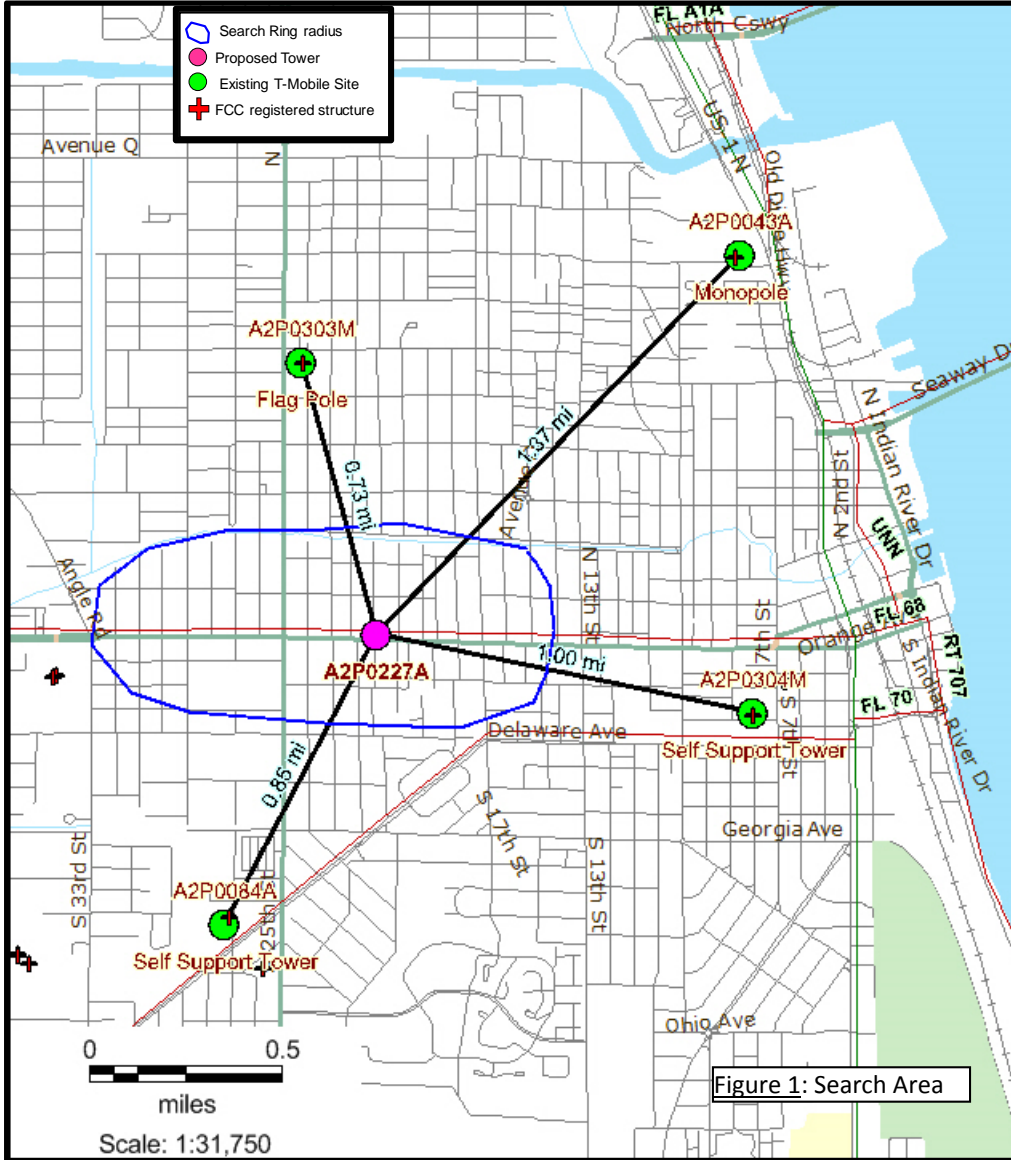


Figure 1: Search Area

As part of T-Mobile’s commitment to improve service in the south Florida market a number of “search rings” have been issued to address coverage deficiencies in the cellular network. Each search ring is in an area where service levels are inadequate to provide the necessary cell phone coverage or capacity. Within the search ring existing towers or structures of sufficient height are sought with the goal of deploying radio transceivers and antennas to improve the local area service levels.

Due to the dramatic increase in cell phone traffic and the popularity of wireless data applications over the last few years, significant demands have been placed on network coverage and capacity. One such area in need of improved services is in the city of Ft Pierce from Canal Terrace in the north to Havana Ave in the south and from S 25th St in the west to 13th St in the east. Coverage levels are too low to support the capacity and coverage needs for this part of the network. Users placing calls indoors and especially during network busy hours may experience dropped calls, ineffective network attempts and slow data application speeds. In the worst-case a user may not be able to place a E911 call.

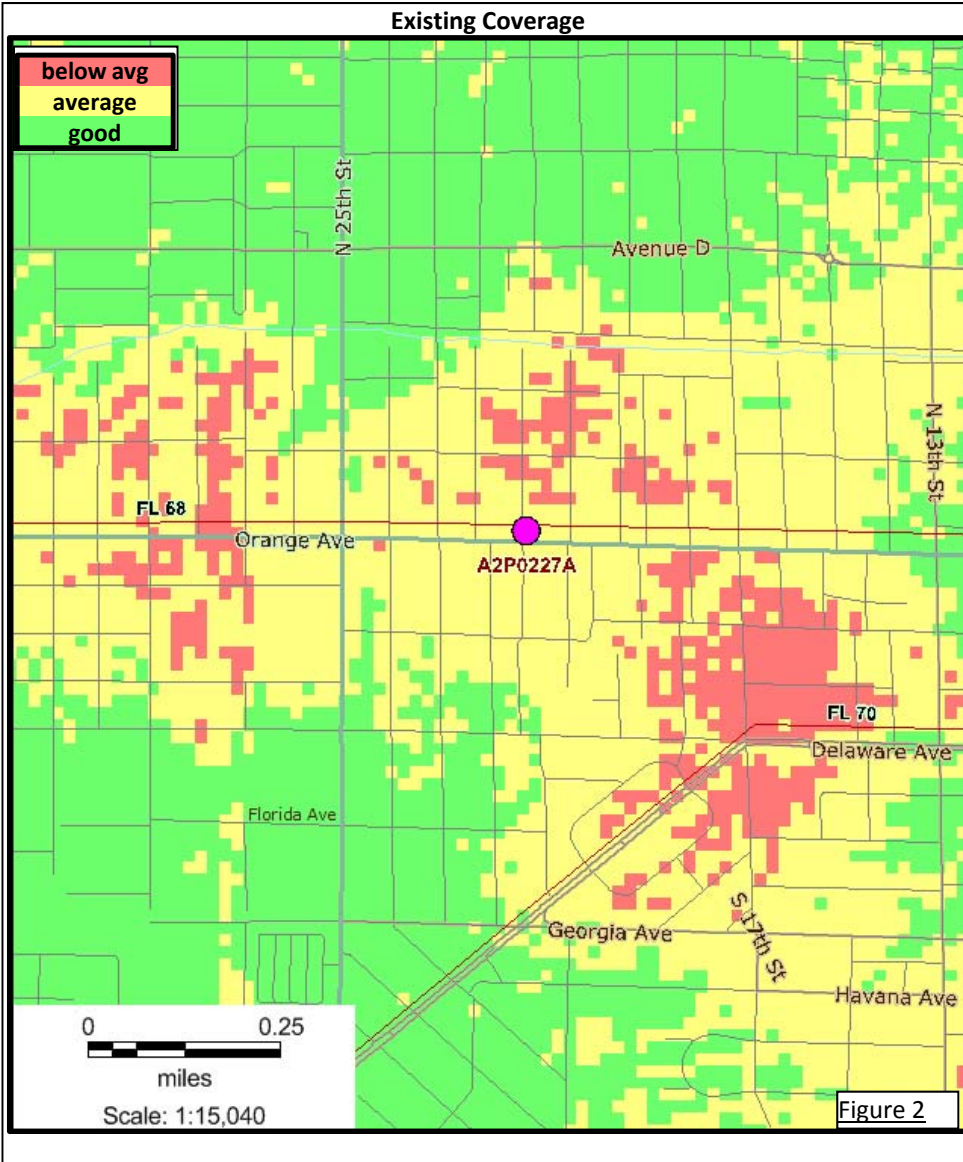
There were no towers or structures of sufficient height within the T-Mobile search area that could accommodate the addition of new facility that would provide an adequate coverage improvement. The surrounding facilities have undergone extensive upgrades over the last decade with no appreciable improvement in service levels in the area of concern.

Shown above in Figure 1 is the T-Mobile search ring and the proposed location surrounded by existing T-Mobile cellular facilities (“cell sites”).

Site_ID	Site_Name	Site_Class_Desc	Antenna Elevation (ft)	Address	City	Distance (mi)
A2P0303M	FT. PIERCE FL1512	Flag Pole	145	910 N. 25th Street	Fort Pierce	0.7
A2P0084A	SBA 27TH STREET	Self Support Tower	140	111 S. 27th Street	Ft. Pierce	0.9
A2P0304M	Crown Citrus Ave	Self Support Tower	120	712 Citrus Ave.	Fort Pierce	1.0
A2P0043A	Crown	Monopole	180	710 Avenue M	Fort Pierce	1.4

**Current Cell Site Coverage and Predicted Improvements**

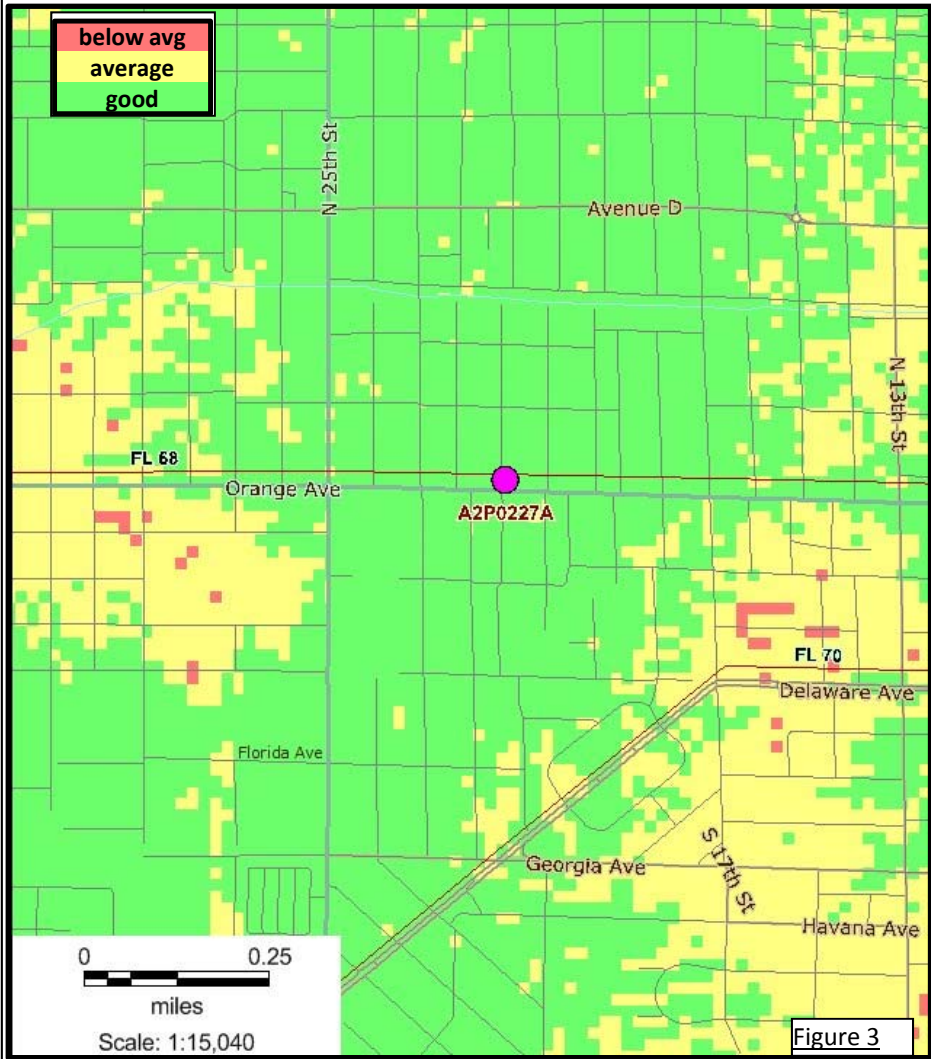
Good (reliable indoor service)	Average (reliable outdoor service)	below average (poor service)
Signal power levels able to support a wide range of wireless services both indoors and outdoors. These services include voice calls and high speed data.	Users may experience call quality issues depending on the signal power levels at their specific location. These issues could include dropped calls, ineffective attempts (blocked calls) or slow data speeds. Service in outdoor locations would be markedly better than indoors in many instances.	A user would encounter call quality issues especially indoors or during network busy hours due to low signal power levels. These issues could include dropped calls, ineffective attempts (blocked calls) and slow data speeds. Service may only be available in outdoor locations. In the worst case a user may not be able to place an emergency (E911) call.



As part of T-Mobile’s design and development process a number of engineering studies are completed to ensure a best-fit approach for cell site additions in the network. Propagation or prediction plots are one of the most important of these and are used extensively to determine if a new proposal is adequate.

In Figure 2 the cell site propagation is shown as shades of color which represent signal power levels that a user would experience at a particular location. The propagation model is based on a predictive computer simulator application that is derived from proprietary methodologies. Green areas indicate signal power levels able to support a wide range of wireless services both indoors and outdoors. These services include voice calls and high speed data. The yellow color indicates areas where a user may experience call quality issues due to inconsistent signal power levels. This may depend on their specific location. For instance, a person may be able to use the cell phone on one side of their house near a window but unable to connect in another part of the house. The red areas represent where a user would encounter call quality issues due to low or unusable signal power levels. This would be especially true indoors or during network busy hours. These issues could include dropped calls, ineffective attempts and slow data speeds. In the worst case a user may not be able to place an emergency (E911) call.

Predicted Coverage with New Facility



The propagation map shown in Figure 3 depicts the predicted signal power levels for the proposed tower when added to the existing network. As can be seen almost all the residential areas have a minimum of average service levels. This is especially important for users who are transitioning from one geographic area to another due to a more consistent coverage overlay. Users indoors will also benefit tremendously due to the closer proximity to the antenna locations. Areas where below average signal power levels still exist can sometimes be alleviated through network optimization methods after the new site comes on line. (These processes are iterative and require a more medium to long term engineering approach)

In summary, T-Mobile has recognized the demand for advanced telecommunication services in these communities. The existing T-Mobile facilities cannot provide these services through upgrade or expansion, due to the distances from the existing tower facilities and cell phone users in this area. Further, no towers or structures of sufficient height were identified in the search ring that could provide the necessary improvements to the network coverage.

These propagation maps graphically demonstrate T-Mobile's business needs based upon existing and predicted customer demands. T-Mobile's goal is to provide reliable wireless service in the areas shown as defined by proprietary QOS (Quality of Service) design parameters.

**Certification Statement of Non-interference**

This letter provides information about the proposed T-Mobile transceiving equipment on the proposed facility at 2006 Orange Ave, Ft Peirce and its potential interference with communication facilities located nearby; as well as the FCC rules governing the human exposure to radio frequency energy (OET 65 guidelines). T-Mobile shall comply with all FCC rules regarding interference to other radio services and T-Mobile shall comply with all FCC rules regarding human exposure to radio frequency energy. The proposed tower facilities, and reception and transmission functions will not interfere with the visual and customary transmission or reception of radio, television or similar services as well as other wireless services enjoyed by surrounding properties.

T-Mobile radio signals are transmitted on exclusively assigned channels within the E, F and C bands in the PCS spectrum and the D, E, F1 and F2 in the AWS spectrum and A Band in 700MHz. In the future AWS-3 Block H and B, C and D blocks in 600 MHz will be active. The Federal Communication Commission (FCC) has allocated these frequencies exclusively for use by cellular service providers. Each cellular service provider is assigned specific frequencies (channels) on which to transmit and receive radio signals.

Cellular transmitters must be type-accepted by the FCC to ensure compliance with technical standards that limit the frequencies, output power, radio frequency emissions, spurious radio noise and other technical parameters. Cellular licensees like T-Mobile owns are required to use type-accepted equipment. The assignment of frequencies and FCC rules keep cellular radio signals from interfering with or being interfered with by other radio transmissions and provide guidelines outlining the limits for permissible human RF exposure. In the event of a complaint of interference or other concerns about cellular antenna facilities, the FCC has a resolution process to determine the source of interference and whether a facility is in compliance with FCC rules.

In the event of interference or other known issues with the transmission facility contact with the T-Mobile Network Operations Center (NOC) can be established 24 hours a day, 7 days a week 365/366 days per year at the following numbers: (877) 611-5868 (DAY), (877) 611-5868 (NIGHT)

Name Patrick Keane

Title T-Mobile RF Engineer



Signature \_\_\_\_\_

7017 0190 0000 0262 7657

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**BOCA RATON, FL 33431**

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\$		0420
Extra Services & Fees (check box, add fee as appropriate)	\$0.00	16
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.49	
\$		Postmark Here
Total Postage and Fees	\$3.84	OCT 19 2017
\$		10/19/2017

Sent To: **Mark Baesch**  
 Street and Apt. No., or PO Box No.: **4700 Exchange Ct Ste 100**  
 City, State, ZIP+4®: **Boca Raton FL 33431**

PS Form 3800, April 2015 PSN 7530-02-000-9047. See Reverse for Instructions

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**FORT LAUDERDALE, FL 33309**

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\$		0420
Extra Services & Fees (check box, add fee as appropriate)	\$0.00	16
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.49	
\$		Postmark Here
Total Postage and Fees	\$3.84	OCT 19 2017
\$		10/19/2017

Sent To: **Matt Spiak**  
 Street and Apt. No., or PO Box No.: **6700 N Andrews Ave Ste 700**  
 City, State, ZIP+4®: **Fort Lauderdale FL 33309**

PS Form 3800, April 2015 PSN 7530-02-000-9047. See Reverse for Instructions

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**LAKE MARY, FL 32746**

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\$		0420
Extra Services & Fees (check box, add fee as appropriate)	\$0.00	16
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.49	
\$		Postmark Here
Total Postage and Fees	\$3.84	OCT 19 2017
\$		10/19/2017

Sent To: **Connie Chapman**  
 Street and Apt. No., or PO Box No.: **3210 Lake Emma Rd**  
 City, State, ZIP+4®: **Lake Mary FL 32746**

PS Form 3800, April 2015 PSN 7530-02-000-9047. See Reverse for Instructions



Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

5-10-18

**RE: RG Towers - Ft Pierce- Orange Ave** Design Review Application Checklist- Section i. Accurate color rendering of proposed signs showing dimensions, type of lettering, materials and actual color samples that demonstrates cohesiveness with the project design.

Please allow the photograph below to represent the signage proposed for our proposed new communication tower to be located at 2006 Orange Ave.



Please let me know if you have any questions.

Sincerely

Holly Valdez  
V.P. Operations  
RG Towers LLC



RG Towers, LLC

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

5-10-18

**RE: RG Towers - Ft Pierce Orange Ave Design Review Section f. Photographs of all existing structures located on the property. If existing structures on the property are more than fifty (50) years of age, documentation of these structures with data from the Florida Master Site File form is also required.**



Please let me know if you have any questions.

Sincerely,

*Holly Valdez*

Holly Valdez  
RG Towers, LLC  
V.P. Operations

2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477  
Phone: 561-748-0302 Fax: 561-748-0303 Web: [www.rgtowers.com](http://www.rgtowers.com)

Ft Pierce Planning and Zoning  
 100 N. U.S. Highway 1  
 Fort Pierce, FL 34950

**RE: RG Towers - Ft Pierce- Orange Ave** Design Review Application Checklist- Section e.

Please allow the photographs below to serve as a precedent for the proposed building design of the new proposed communication tower to be located at Orange Ave. These are all local towers within two miles of the proposed area of development.

<b>Str Reg #</b>	<b>Tower Owner</b>	<b>Distance</b>	<b>Type</b>	<b>Colocations</b>	<b>Height</b>	<b>Address</b>
<b>1270020</b>	American Towers, LLC.	0.79	flagpole	flagpole	150ft	Fl1512 Ft. Pierce - 910 N 25th St Structure City: Fort Pierce, FL
<b>1028726</b>	BellSouth Telecommunications, LLC	1.03	rooftop	rooftop	141ft	712 Citrus Ave Structure City: Fort Pierce, FL
<b>1027499</b>	FLORIDA POWER & LIGHT COMPANY	0.86	guyed	3	300ft	South 33rd Street At Hwy 68 Structure City: Fort Pierce, FL
<b>1227259</b>	Crown Communication LLC	1.43	monopole	3	191ft	710 Ave "m Structure City: Fort Pierce, FL
<b>1036166</b>	SBA Properties, LLC	0.77	SST	2 or 3	350ft	St. Lucie County Structure City: Ft. Pierce, FL
<b>1203992</b>	Daves Communications Inc	0.9	granted	granted	161ft	2530 Okeechobee Rd Structure City: Ft. Pierce, FL
<b>1257640</b>	American Towers, LLC	1.18	unipole	unipole	205ft	37th Street (#75126-shielded) Structure City: Ft. Pierce, FL
<b>1035334</b>	r INDIAN RIVER STATE COLLEGE	1.85	SST	2	500	3209 Virginia Avenue Structure City: Ft. Pierce, FL



THE SUNRISE CITY  
**FORT PIERCE**  
PLANNING DEPARTMENT *Florida*

**Design Review**

Property address or Location 2006 Orange Ave  
Parcel ID #(s) 2409-605-0008-000-4  
Project Description New Communication tower w/compound

Abdel Jebbar Elbak Kari *Leslie Phillips*  
Property Owner(s)  
2006 Orange Ave.  
Street Address  
Ft Pierce FL 34950  
City State Zip  
772-595-8129  
Phone Number  
amal6012012@gmail.com  
Email Address

RG Towers, LLC  
Applicant/Representative, Title, Company  
2141 Alt. A1AS. Ste 440  
Street Address  
Jupiter FL 33477  
City State Zip  
561-748-0302  
Phone Number  
hvaldez@rgpartners.com  
Email Address

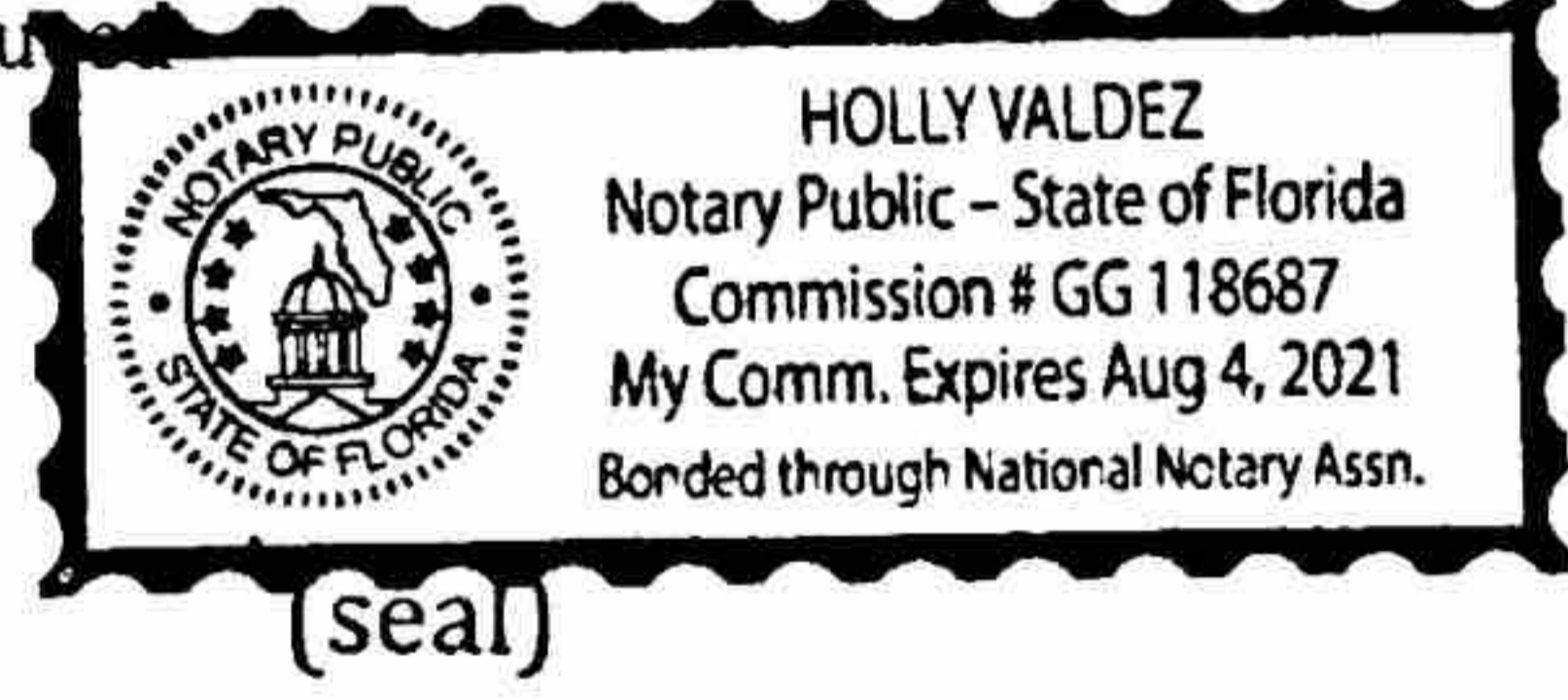
**Property Owner(s) Acknowledgements:** - This application will not be considered complete without the signature of all property owners of record, which shall serve as an acknowledgement of the submission of this application. The property owner's signature below shall also authorize the Application (if other than the property owner) and/or Representative to act in his/her behalf for the purposes of seeking approval for the application described herein.

Leslie Phillips 6/14/18  
Property Owner(s) Signature(s)

STATE OF FLORIDA -- COUNTY  
The foregoing instrument was acknowledged before me this 14<sup>th</sup> day of June, 2018, by

Leslie Phillips who is personally known to me or has produced \_\_\_\_\_ as identification.

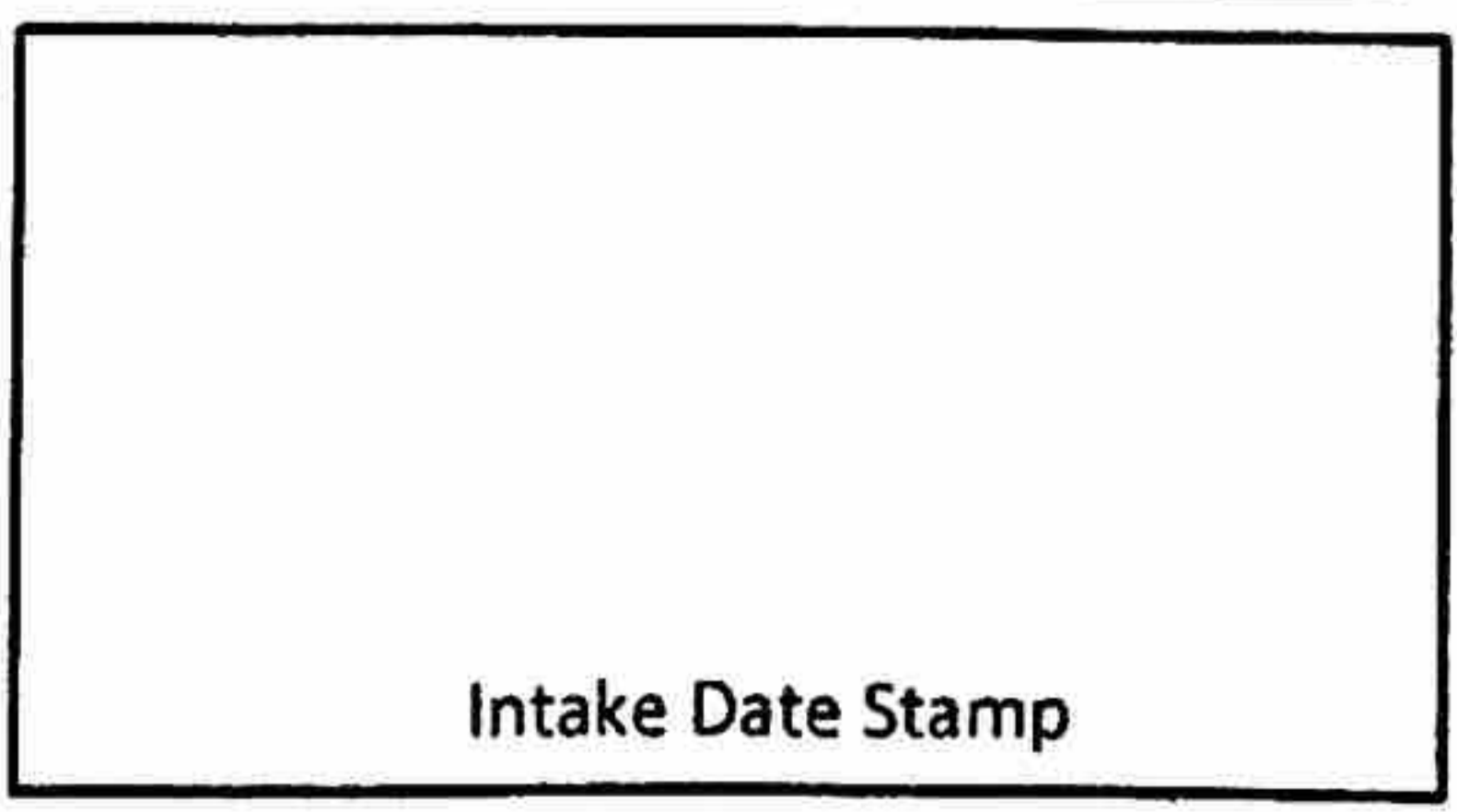
Holly Valdez  
Signature of Notary



**TO BE COMPLETED BY STAFF**

Zoning	Future Land Use	Total Acres	Historic Districts	Historic Designation

Pre-Application Meeting Date \_\_\_\_\_ Fees \_\_\_\_\_ Control # \_\_\_\_\_ B. Permit \_\_\_\_\_  
Intake Planner \_\_\_\_\_  
Planner Assigned \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_  
Comments \_\_\_\_\_



1270020



1028726



1027499



1227259



1036166



1203992



1257640



1035334



RG Towers, LLC built a monopole tower located at 2551 Jenkins Rd, Ft Pierce FL 34947 in 2016.

**1297991**



Please let me know if you have any questions.

Sincerely

Holly Valdez  
V.P. Operations  
RG Towers LLC



**RG Towers, LLC**

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

5-10-18

**RE: RG Towers - Ft Pierce Orange Ave Design Review Section D Context photographs of neighboring uses and architectural styles.**





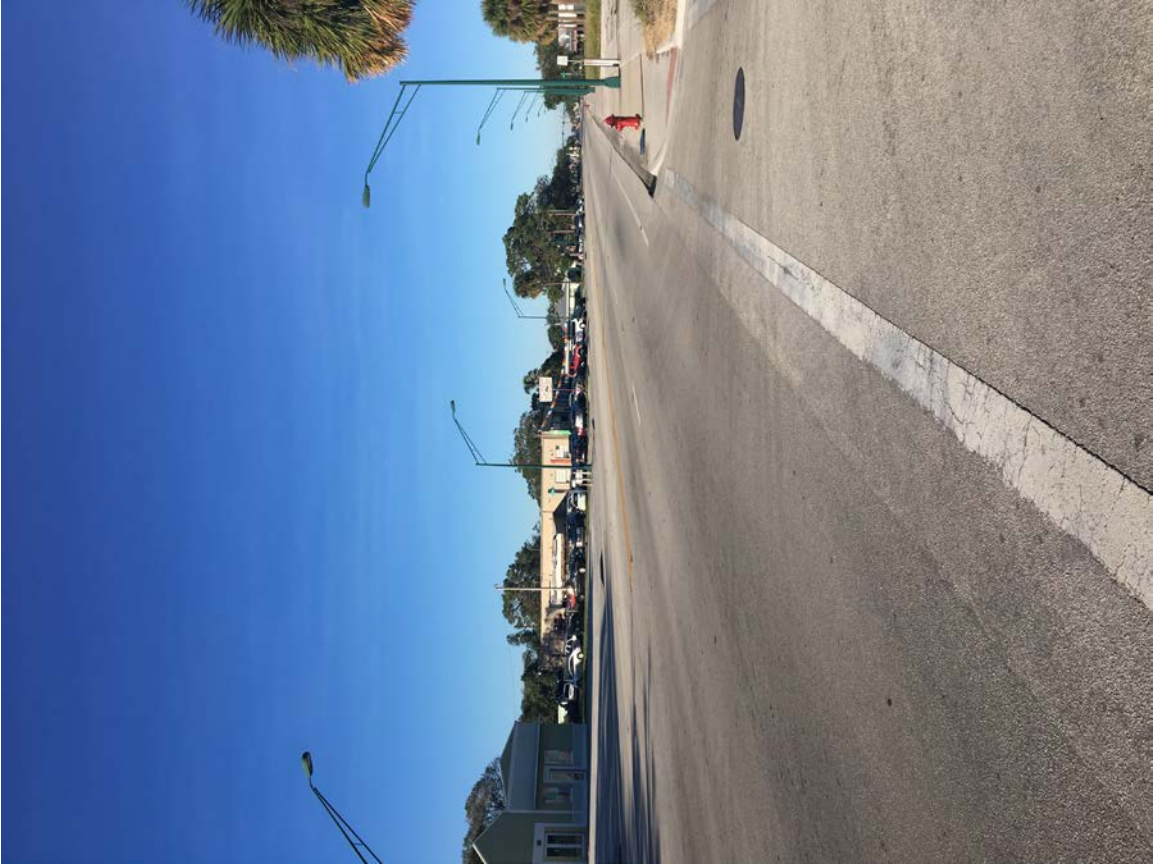
2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477  
Phone: 561-748-0302 Fax: 561-748-0303 Web: [www.rgtowers.com](http://www.rgtowers.com)



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Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

2141 Alternate A1A South, Suite 440  
Jupiter, FL 33477  
Phone: 561-748-0302 Fax: 561-748-0303 Web: [www.rgtowers.com](http://www.rgtowers.com)



**RG Towers, LLC**

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

5-10-18

**RE: RG Towers - Ft Pierce Orange Ave Design Review Section c.** A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis study results.

Coverage levels in this area are too low to support the capacity and coverage needs for this part of T-Mobile’s network. Users placing calls indoors and especially during network busy hours may experience dropped calls, ineffective network attempts and slow data application speeds. In the worst-case a user may not be able to place a E911 call. For this reason, RG Towers, LLC is applying for approval to build a 130’ communications tower at the location shown below.

Tower Height/Type                      130’ Stealth Communication Tower  
Address                                      2006 Orange Ave, Ft Pierce FL 34950  
Coordinates                                Approximately 27.447636, -80.345960

The parcel is currently owned by Lesley Phillips and Abdel Jebbar Elbakkari. RG Towers, LLC entered into a Lease Agreement dated 9/27/17.

The character of this undeveloped parcel is commercial with no existing vegetation in the proposed lease area and is among primarily commercial zones as seen in the attached photographs. The surrounding zones are as follows;

<u>ADJACENT ZONING CLASSIFICATIONS</u>	<u>ZONING/LAND USE CLASSIFICATION</u>
ZONING TO EAST	C-3/GENERAL COMMERCIAL
ZONING TO SOUTH	C-3/GENERAL COMMERCIAL
ZONING TO WEST	C-3/GENERAL COMMERCIAL
ZONING TO NORTH	R3/SINGLE FAMILY MODERATE DENSITY

The intended use will be the development of a 130’ stealth communication tower with a 6’ wooden fenced compound to enclose the auxiliary equipment. The fenced compound will be

landscaped per the code to be made up of live oaks and podocarpus on the east and north sides and on the west and south sides the fence will be left intentionally blank for future artwork related to the Peacock and Lincoln Park Districts . In addition to the fencing and landscaping, RG Towers will install a concrete apron access off N. 21<sup>st</sup> Street.

This is to be an unmanned facility with only semiannual visits for maintenance outside of initial construction.



Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations



## RG Towers, LLC

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

**RE: RG Towers – Ft Pierce- Orange Ave** Design Review Application Checklist (City Code of Ordinances 22-59)

**Attached please find the following for review and approval:**

**Signed Application Design Review**

- a. A survey -submitted with Development Review application
- b. A site analysis study – please refer to the landscape plan submitted with Development Review application
- c. A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis study results.
- d. Context photographs of neighboring uses and architectural styles.
- e. Photographs and/or drawings of architectural buildings or objects that serve as a precedent for the proposed building design. Models should be taken from local exemplary buildings, either existing or demolished. Documentation of such buildings is available in the city's planning department.
- f. Photographs of all existing structures located on the property. If existing structures on the property are more than fifty (50) years of age, documentation of these structures with data from the Florida Master Site File form is also required.
- g. Conceptual site plan- submitted with Development Review application
- h. Landscape plan, at the same scale as the site plan - submitted with Development Review application
- i. Accurate color rendering of proposed signs showing dimensions, type of lettering, materials and actual color samples that demonstrates cohesiveness with the project design.
- j. Exterior elevations showing architectural character, external architectural features and streetscape of the proposed development, including materials, colors, shadow lines and landscaping- elevation submitted with Development Review application
- k. Design review concurrent with conceptual development plan procedure according to subsection 22-58(e) is also available.

**Submittal for Board Approval**

- a. A written narrative describing how the project conforms to administrative approval and design review guidelines of this section.
- b. A final site plan meeting the requirements of section 22-58- submitted with Development Review application
- c. A final site lighting plan that meets the requirements of subsection 22-58(d)(8)- NA

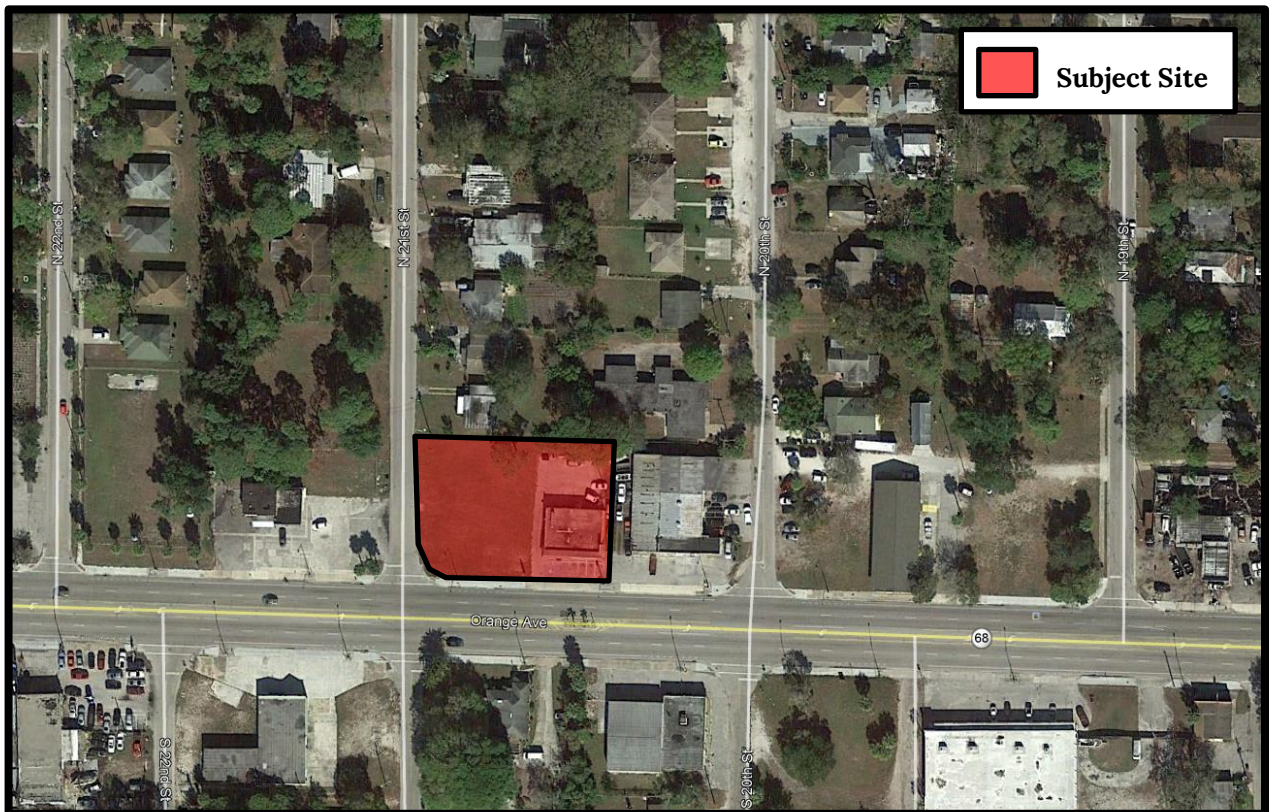
- d. A final landscape plan that meets the requirements of Article XII, Landscaping and Trees. - submitted with Development Review application
- e. Final floor plans and elevation drawings (1/8" = 1'-0" minimum scale), as detailed under administrative approval, showing exterior building materials and colors with architectural sections and details to adequately describe the project. - submitted with Development Review application
- f. A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation- no color-galvanized steel

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

 Subject Site



**Conditional Use & Design Review**  
**Telecommunications Tower – 2006 Orange Ave**  
**Aerial Map**



 Subject Site



**Conditional Use & Design Review**  
**Telecommunications Tower - 2006 Orange Ave**  
**Zoning Map**





October 18, 2018

RG Towers, LLC  
2141 Alt A1A Suite 440  
Jupiter, FL 33477

**SUBJECT: RG Towers – 2006 Orange Avenue**  
**TECHNICAL REVIEW PROJECT: # 18-42700001**  
**CONDITIONAL USE WITH NEW CONSTRUCTION**

**Comments:**

1. Revise the Landscape plan to add shrubs to the south and west side of the fence as well as along the north and south perimeter of the drive way.
2. Provide an irrigation plan that will show continued daily watering of all vegetation & plants on site.
3. Provide a 5 foot wide sidewalk along 21<sup>st</sup> street. The sidewalk should extend the length of the parent tract.
4. Indicate that the tower will have a zero (o) fall radius on the site plan
5. Provide a detailed rendering of what the stealth tower will look like on the site along with all site improvements including the fence, landscaping, and so on.
6. The tower itself should be a neutral color

**Advisory Comments**

- Recommendations for Multi Modal Improvements
  - Dedication of land for a bus shelter
  - Donations towards construction of shelter (shelter can incorporate public art) and related improvements
  - Installation of a bike rack
  - Installation of a bike "fix it" station
  - Explore with St. Lucie County the potential for a bus bay for loading and unloading.

Please provide a written response to all TRC comments and provide submittal (10 copies) of all new materials by October 29, 2018 to advance to the November Planning Board. The presented review is specific to the proposed facility. Please contact me should you have any questions regarding the project at (772) 467-3742 or by e-mail: [bcreagan@city-ftpierce.com](mailto:bcreagan@city-ftpierce.com).

Sincerely,

Brandon Creagan, LEED Green Associate  
Planner



**To : Brandon Creagan, Planner**

**FROM : John R. Andrews, P.E., City Engineer**

**RE : RG Towers Conditional Use – 2006 Orange Avenue  
 TRC No. 18-42700001**

**DATE : October 17, 2018**

This is to advise you that we have completed the review of the following documents as received by this office on October 4, 2018:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Conditional Use Application                           | <input type="checkbox"/> Construction Drawings                                   |
| <input type="checkbox"/> Test Reports & Related Documents                                 | <input type="checkbox"/> Executed Construction Contract                          |
| <input type="checkbox"/> Record Drawings  | <input type="checkbox"/> Permits from applicable Local, State & Federal Agencies |
| <input type="checkbox"/> Clearances from all applicable Local, State and Federal Agencies |  |

Based on our reviews and appropriate site final inspection, we

- |   |   |
|---|---|
| <input type="checkbox"/> Do Not Recommend                   | <input checked="" type="checkbox"/> Recommend |
| <input checked="" type="checkbox"/> CU Conditional Approval | <input type="checkbox"/> Building Permit      |
|   | <input type="checkbox"/> C/O                  |

Developer, Owner, Engineer, Contractor and other members of the Development Team must be aware, the above recommendation is based only on the construction requirements of the engineering plans and other engineering documentation approved by this department. The Development Team shall be responsible for the compliance with other City department requirements and all approved documents, as well as Local, State and Federal regulations. The development requirements for this project may necessitate additional construction requirements that are not subject to this department's review for approval.

- See attached for conditions of approval

ENGINEERING COMMENTS:

1. Provide a 5' wide concrete sidewalk along 21<sup>st</sup> Street. The sidewalk should extend the length of the parent tract.
2. Provide a note on the Site Plan that all construction will comply with Sections 17 and 22 of the City of Fort Pierce Code of Ordinances.

JRA/TST/tst

Project: RG TOWERS

Subject: Review Comments

To: Brandon Creagan

From: Rod Reed, County Surveyor  
PW-Engineering Division

Date: October 16th, 2018

All comments are based on the Standards of Practice per 5J-17.050 thru 5J-17.052

**SURVEY:**

- 1) All previous comments have been addressed. I have no other comments.

Please provide a written response to all comments

Rod Reed, County Surveyor  
St. Lucie County, Fl.  
2300 Virginia Avenue  
Ft. Pierce, Fl. 34982-5652  
[www.stlucieco.org](http://www.stlucieco.org)  
Ph. (772) 462-1721  
E-mail [reedr@stlucieco.org](mailto:reedr@stlucieco.org)

ST. LUCIE COUNTY FIRE DISTRICT  
FIRE PREVENTION BUREAU  
Office of the Fire Marshal



Telephone: (772) 621-3322  
Fax: (772) 621-3604

**BUREAU OF FIRE PREVENTION**

**SITE PLAN REVIEW**

**TO: Site Plan Applicant**

**SITE PLAN: RG Towers-2006 Orange Avenue #18-42700001**

**REVIEW DATE: October 15, 2018**

**PLANNER: BRANDON CREAGAN**

**REVIEWED BY: Captain Paul Langel**

---

Site Plan Approved: \_\_\_\_\_

Site Plan Approved with conditions:   X  

Site Plan Approval withheld pending written acknowledgement of conditions: \_\_\_\_\_

Site Plan Rejected: \_\_\_\_\_

---

**The Following Revisions Are Necessary:**

- 1. Please submit a completed application for Development/Site Plan Review (St. Lucie County Fire District Development & Site Plan Review Application). This form is available on-line at <http://www.slcfcd.com/permits.htm>**
- 2. Fire District review fees are due at the time of submittal. An abbreviated fee schedule is included on the application form.**
- 3. Please provide an electronic copy of the Site Plan (pdf format)**
- 4. A separate review and permit is required for Underground Fire Mains connected to standpipes or sprinkler systems.**

*"Our Family Serving Yours"*  
5160 N.W. Milner Drive, Port St. Lucie, Florida 34983-3392  
Telephone: (772) 621-3400 Fax: (772) 621-3500  
[www.slcfcd.com](http://www.slcfcd.com)



ST. LUCIE COUNTY  
PLANNING & DEVELOPMENT SERVICES  
TECHNICAL REVIEW LETTER

**TO:** Brandon Creagan, LEED, Planner

**FROM:** Kori Benton, Senior Planner

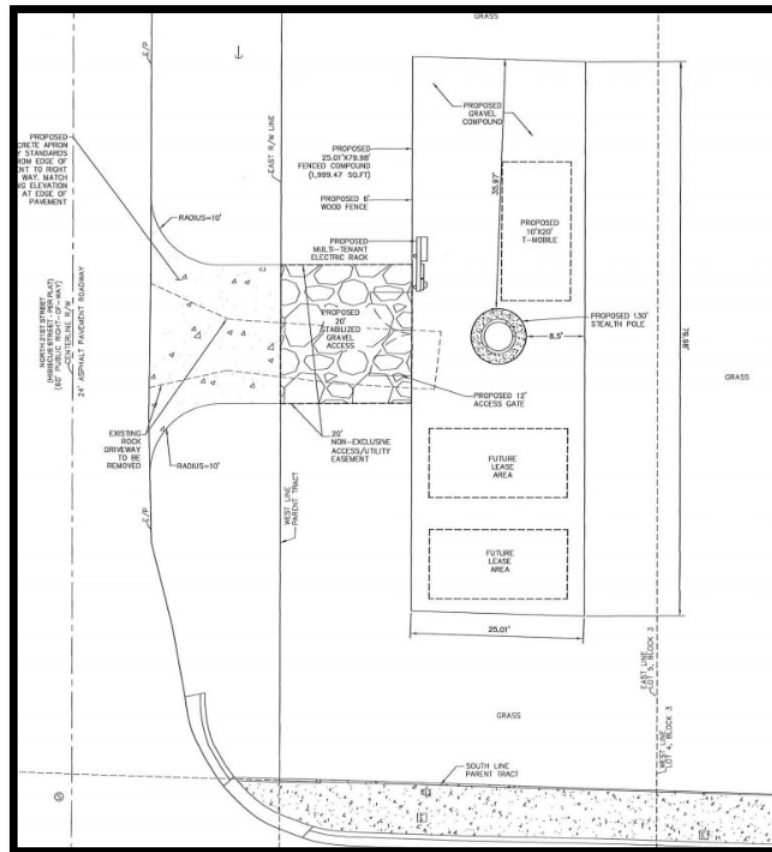
**DATE:** October 18, 2018

**SUBJECT:** Conditional Use – RG Towers – 2006 Orange Avenue  
Technical Review Project# 18-42700001

The St. Lucie County Planning & Development Services Department has completed a review of the October 4, 2018 distribution of Technical Review Project# 18-42700001.

**Background**

The application proposes a Conditional Use with New Construction located at 2006 Orange Avenue, a 0.45 acre site. The applicant is seeking construction of a “stealth pole” telecommunications tower, proposed at 130 feet in height. The parcel is zoned C-3, General Commercial and a Future Land –Use of GC, General Commercial. The Parcel ID for the property is 2409-605-0008-000-4. The exhibit below provides general site plan detail utilized for review:



## Review Comments

1. Will the applicant be required to extend a sidewalk along N 21<sup>st</sup> Street?
2. Does the proposed driveway conform to City/FDOT corner clearance standards for a commercial driveway? Should the applicant be required to improve a portion of the alley to provide access to the site as the use shouldn't generate significant traffic activities? Further, if a driveway advances on N 21<sup>st</sup> Street, shouldn't access be extended to the commercial plaza on-site to improve access, parking, etc. for this commercial site sought for new development activities? The proposed design appears to require vehicles to back into the adjacent right-of-way.
3. Does the proposed fence and landscaping comply with the City's Design Review Guidelines as this is a primary entry corridor?
4. The plan does not reflect buffering of the commercial site (entire parcel) from adjacent residentially zoned and occupied property. The applicant is encouraged to consider buffering along the entire commercial property line.



5. The plan does not appear to demonstrate landscape buffering of vehicular use areas, whereas this is encouraged, where not impacting a clear vision area.

Please contact me at 772-462-2518 if you have any questions or would like to discuss the presented comments.



**RG Towers, LLC**

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950

10/26/18

**RE: TRC Comments Response RG Towers - Ft Pierce- 2006 Orange Ave**

Attached please find the following documents **(one original and nine copies and one CD)** to complete our response for a new communication tower; Technical Review Project #18-42700001

- (1) Written Response
- (2) Photo Simulations
- (3) (10) 24 x 36 Site and landscape plan- revised

We look forward to being heard by Planning and Zoning on November 13, 2018 and on December 17 for the Commission Hearing.

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950  
Attn:  
Brandon Creagan

10/26/18

**RE: TRC Comments Response RG Towers – Ft Pierce- 2006 Orange Ave  
Technical Review Project #18-42700001 Conditional Use with New Construction**

**Comments 10/18/18**

- 1 Revise the landscape plan to add shrubs to the south and west side of the fence as well as along the north and south perimeter of the driveway**  
We have added the suggested ground cover to the areas listed keeping in mind that the south and west sides of the fence will remain mostly clear of vegetation for the requested artwork to be displayed
- 2 Provide an irrigation plan that will show continued daily watering of all vegetation and plants on site**  
On page L-1 of the landscape plans there is a note #8 as follows;

8. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY TYING INTO THE EXISTING AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.
---

- 3 Provide a 5' foot wide sidewalk along 21<sup>st</sup> St. The sidewalk should extend the length of the parent tract**  
The sidewalk has been added to the site plan however per discussions we suggested that RG Towers pay a contribution to the City in lieu of installing the sidewalk.
- 4 Indicate that the tower will have a zero (0) fall radius on the site plan**  
The note has been added under tower elevation notes on site plan page 2/3
- 5 Provide a detailed rendering of what the stealth tower will look like on the site along with all site improvements including the fence, landscaping and so on.**  
Photo simulations have been provided showing a stealth unipole of 130' with a galvanized steel finish
- 6 The tower itself should be a neutral color**  
Galvanized steel is considered by tower manufacturers as a neutral color as it blends with the natural sky. The pole can be painted if the Commission so decides.

## Advisory Comments

### Recommendations for Multi Modal Improvements

- **Dedication of land for a bus shelter**
- **Donations towards construction of shelter (shelter can incorporate public art) and related improvements**
- **Installation of a bike rack**
- **Installation of a bike “fix it” station**
- **Explore with St Lucie County the potential for a bus bay for loading and unloading**

As these types of improvements are not our core business interest we would like to make a capital contribution to the City in lieu of these multi modal improvements. We are awaiting the figure from Planning however we do have limitations.

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950  
Attn: John R. Andrews. P.E. City Engineer

10/26/18

**ENGINEERING COMMENTS: 10/17/18**

1. **Provide a 5' wide concrete sidewalk along 21st Street. The sidewalk should extend the length of the parent tract.**  
The sidewalk has been added to the site plan however per discussions we suggested that RG Towers pay a contribution to the City in lieu of installing the sidewalk
2. **Provide a note on the Site Plan that all construction will comply with Sections 17 and 22 of the City of Fort Pierce Code of Ordinances.**  
Note has been put on the site plan

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950  
Attn: Paul Thomas – Building Official

**10/26/18**

**Comments**

- 1 Building Official or his representative has no comment at the time of this meeting, but reserves submission of comments upon completion of the official plan review.**  
Understood
- 2 Pre-construction meeting with the City's Building Department is requested.**  
Understood
- 3 Any construction will need to meet the requirements of the Florida Building Code 61h Edition.**  
Understood

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950  
Attn: Captain Paul Langel, Fire Captain

**10/26/18**

**Comments 10/15/18**

**The Following Revisions Are Necessary:**

- 1. Please submit a completed application for Development/Site Plan Review (St. Lucie County Fire District Development & Site Plan Review Application). This form is available on-line at <http://www.slcfcd.com/permits.htm>**
- 2. Fire District review fees are due at the time of submittal. An abbreviated fee schedule is included on the application form.**
- 3. Please provide an electronic copy of the Site Plan (pdf format)**
- 4. A separate review and permit is required for Underground Fire Mains connected to standpipes or sprinkler systems.**

**Please see attached form and payment**

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

Ft Pierce Planning and Zoning  
100 N. U.S. Highway 1  
Fort Pierce, FL 34950  
Attn: Kori Benton

10/26/18

**Review Comments 10/18/18**

1. **Will the applicant be required to extend a sidewalk along N 21st Street?**  
The sidewalk has been added to the site plan however per discussions we suggested that RG Towers pay a contribution to the City in lieu of installing the sidewalk
2. **Do the proposed driveway conform to City/FDOT corner clearance standards for a commercial driveway? Should the applicant be required to improve a portion of the alley to provide access to the site as the use shouldn't generate significant traffic activities? Further, if a driveway advances on N 21st Street, shouldn't access be extended to the commercial plaza on-site to improve access, parking, etc. for this commercial site sought for new development activities? The proposed design appears to require vehicles to back into the adjacent right-of-way.**  
Driveway will conform to all standards. Access via the alleyway was discouraged as the proposed development is proposing access from 21<sup>st</sup> St in order to stay further away from residential area. This is an unmanned facility for which there will be very minimal traffic
3. **Does the proposed fence and landscaping comply with the City's Design Review Guidelines as this is a primary entry corridor?**  
Fence and landscaping complies with City's review guidelines and landscaping was a custom design dictated by the City leaving blank fence space for artwork along the south and west sides of the development
4. **The plan does not reflect buffering of the commercial site (entire parcel) from adjacent residentially zoned and occupied property. The applicant is encouraged to consider buffering along the entire commercial property line.**  
The lease area of the proposed development is 25' wide east to west and along that edge we are proposing (7) podocarpus 7 gal 36" at 6' high and (1) Southern Live Oak 30 gal 3" caliper 10' high in order to adequately buffer the development per the code requirements
5. **The plan does not appear to demonstrate landscape buffering on vehicular use areas, whereas this is encouraged, where not impacting a clear vision area.**  
Non vision impacting landscaping has been added around vehicular areas

Please let me know if you have any questions.

Sincerely,

Holly Valdez  
RG Towers, LLC  
V.P. Operations

**Planning Board**

**6.c.**

Meeting Date: 11/13/2018

---

Information

REQUESTED ACTION

Conditional Use - Florida Nexus Park - 2765 Peters Road

LOCATION

2765 Peters Road

RESPONSIBLE STAFF

Vennis Gilmore, Planning Analyst

RECOMMENDATION

The requested Conditional Use with No New Construction is consistent with City Code, the Comprehensive Plan, and does not adversely affect the public health, safety, convenience and general welfare; Staff recommends the Planning Board forward a recommendation to **approve** the request with the following conditions:

- 1) Please ensure separation of uses; particularly safeguarding the participants of Police Athletic League from the fabrication/light industrial uses.
  - 2) No outdoor storage of materials.
- 

Attachments

Staff Report

Application

Aerial Map

Zoning Map

Proposed Uses

Business List

Property Record Card

Technical Review Comments

---

**Form Review**

Form Started By: Vennis Gilmore


Started On: 10/22/2018 06:45 PM

Final Approval Date: 10/31/2018



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**TO:** Members of the City of Fort Pierce Planning Board

**THROUGH:** Rebecca Grohall, AICP, Planning Director 

**FROM:** Vennis Gilmore, Planning Analyst

**RE:** **Application for Conditional Use with No New Construction**  
**Florida Nexus Park**  
**2765 Peters Road**

**DATE:** October 26, 2018

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**STAFF REPORT**

**Owner/Applicant:** Harry Zuker, Manager  
Crossroads Plaza FPI, LLC  
4800 North Federal Highway #B-205  
Boca Raton, FL. 33431

**Applicant's Request:** Approval of a Conditional Use with No New Construction for the operation of multiple Conditional Uses

**Location:** 2765 Peters Road

**Parcel ID:** 2324-311-0005-000-1

**Current Zoning:** General Commercial Zone (C-3)

**Future Land Use:** General Commercial (GC)

**Surrounding Zoning:**

North	East	South	West
C-3	C-3	C-3	C-3

**Site Size:** 18.61 acres

**Utilities:** FPUA

comfort, good order, appearance, convenience and the general welfare. The use as presented features commercial aspects that are generally appropriate for commercial environments.

The authorization of a Conditional Use with No New Construction for subject multiple uses at 2765 Peters Road will provide an opportunity for consistency with current surrounding property uses as the use does not adversely affect the public health, safety, comfort, good order, appearance, convenience and the general welfare of the surrounding residential neighborhood.

### **Technical Review Committee**

All affected departments have reviewed the proposed Conditional Use with No New Construction with regards requirements of the City Code. Findings from the review by corresponding departments and any associated responses by the applicant are provided for viewing by the Planning Board.

### **Staff Recommendation**

The requested Conditional Use with No New Construction is consistent with City Code, the Comprehensive Plan, and does not adversely affect the public health, safety, convenience and general welfare; Staff recommends the Planning Board forward a recommendation to ***approve*** the request with the following conditions:

- 1) Please ensure separation of uses; particularly safeguarding the participants of Police Athletic League from the fabrication/light industrial uses.
- 2) No outdoor storage of materials.



### Conditional Use – No New Construction

Property address or Location 2705 Peters Rd. Florida Nexus Park  
 Parcel ID #(s) 2324-311-0005-000-1  
 Project description Add attached list of Conditional Uses to Permitted Uses

Crossroads Plaza FPI, LLC  
 Property Owner(s)  
4800N Federal Hwy. #B-205  
 Street Address  
Boca Raton FL 33431  
 City State Zip  
772-465-2000  
 Phone Number  
hzucker@comnetreality.com  
 Email Address

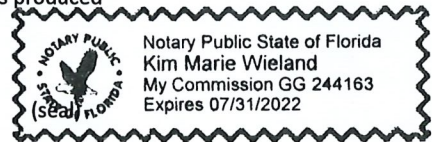
Harry Zuker, Manager  
 Applicant/Representative, Title, Company  
SAME  
 Street Address  
 City State Zip  
 Phone Number  
 Email Address

*Property Owner(s) Acknowledgements: - This application will not be considered complete without the signature of all property owners of record, which shall serve as an acknowledgement of the submission of this application. The property owner's signature below shall also authorize the Applicant (if other than the property owner) and/or Representative to act in his/her behalf for the purposes of seeking approval for the application described herein.*

[Signature]  
 Property Owner(s) Signature(s)

STATE OF FLORIDA COUNTY PALM BEACH  
 The foregoing instrument was acknowledged before me this 26 day of SEPTEMBER, 2018, by  
HARRY ZUKER who is personally known to me or has produced  
 \_\_\_\_\_ as identification.

[Signature]  
 Signature of Notary



**INTAKE MEETINGS ARE REQUIRED FOR ALL SUBMITTALS. CALL (772) 467-3729**

**TO BE COMPLETED BY STAFF**

Zoning	Future Land Use	Total Acres	Historic District	Historic Designation
				Contributing Individual Non-Contributing None

Pre-Application Meeting Date \_\_\_\_\_ Fees \_\_\_\_\_ Control # \_\_\_\_\_ B. Permit # \_\_\_\_\_  
 Intake Planner \_\_\_\_\_  
 Planner Assigned \_\_\_\_\_  
 Approved By \_\_\_\_\_ Date \_\_\_\_\_  
 Comments \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**CONDITIONAL USE: NO NEW CONSTRUCTION**

**Submit one original, seven (7) hard copies and one (1) CD of the following for initial submittal, subsequent submittals will be required:**

- If no site improvements are required:
  - As-built survey
  - Floor plan of existing building(s)
- If parking and drainage improvements are required:
  - As-built survey;
  - Site plan, to scale, including existing improvements and proposed parking, driveways, landscaping & storm drainage;
  - Lighting plan
- Complete, notarized application

**Application Type:**

- Conditional Use: No new construction with no site improvements
- Conditional Use: No new construction with parking and drainage improvements

**Site Information:**

Building Size \_\_\_\_\_ Parking Spaces: \_\_\_\_\_

Surrounding Uses: (i.e. single family home, retail, industrial, etc.)


North	South	East	West

The application for conditional use with the application for site plan review, when not exempt in accordance with the requirements of section 22-75, shall be reviewed as a unit in accordance with the requirements of section 22-58 except that:

- (1) The city commission shall hold a public hearing in accordance with the provisions of section 22-143 prior to acting on the application for conditional use.
- (2) In the event the city planning board disapproved the application for conditional use or in case of a protest against said application signed by twenty (20) per cent of the owners within five hundred (500) feet of the area included in said application, such application shall not be approved except by a four-fifths vote by the city commission.
- (3) In permitting a conditional use or the modification of an existing conditional use, the city commission may impose, in addition to those standards and requirements expressly specified in this chapter, any condition which it finds to be necessary to protect the best interest of the surrounding property of the city.

**Application Outlook**



 Subject Site

Kings Highway

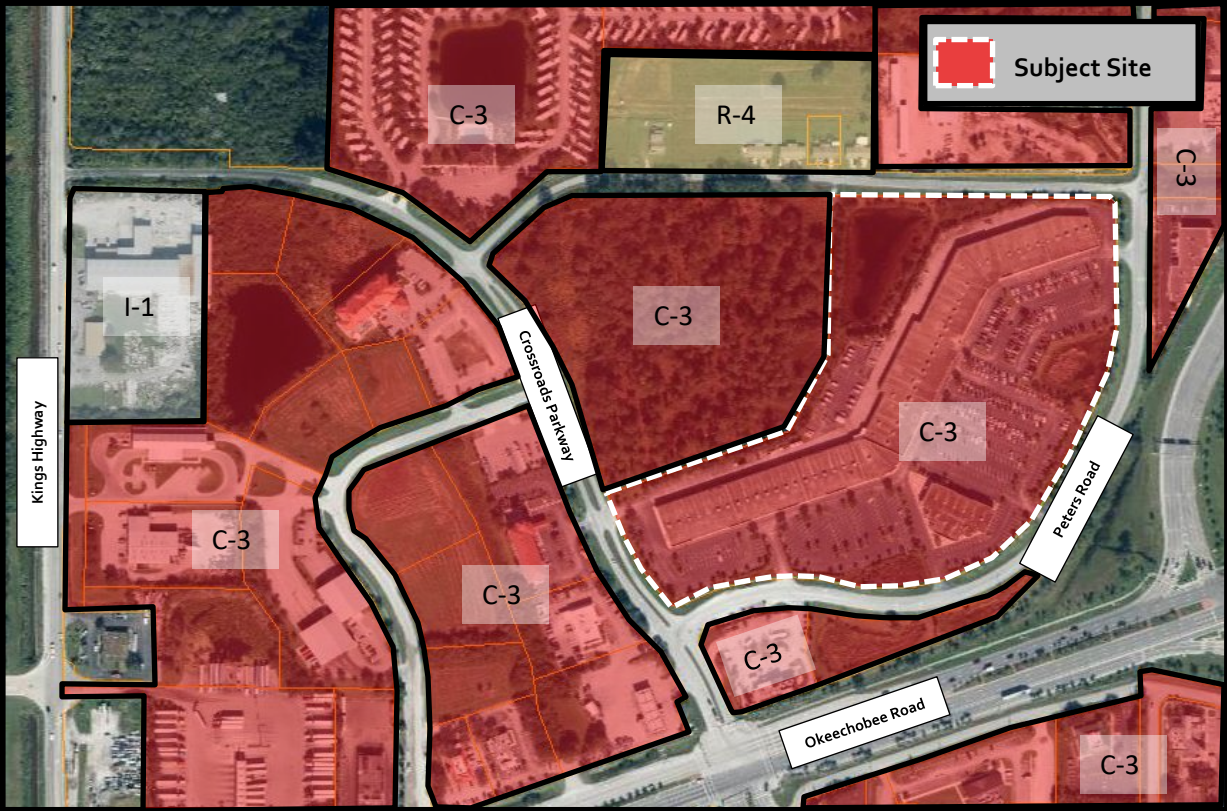
Coseroads Parkway

Peters Road

Okeechobee Road

Application for Conditional Use  
Nexus Business Park  
Aerial Map





Application for Conditional Use  
Nexus Business Park  
Zoning Map



## CONDITIONAL USE – NO NEW CONSTRUCTION

The following Conditional Uses are added to the existing C-3 zoning uses as Permitted Uses at Florida Nexus Park, 2705 Peters Road, Fort Pierce, FL 34945:

### INDUSTRIAL:

Artisan

Cabinet Shops, Woodworking

Light Industrial Service

Catering Facility, Large Scale

Contractor/Others Performing Services Off-Site

Microbrewery

Research Service

Wholesale Trade

FLORIDA NEXUS PARK  
BAY SIZES

<u>BAY #</u>	<u>SQ. FT.</u>	<u>TOTAL</u>	
1-10	25,000		Vacant
11-13	7,500		Vacant
14-15	3,800		Vacant
16	3,700		Corradino
17-18	5,000	Temporary	Backus Museum
19-20	5,000		GB Tech
21-28	28,452		Comcast
29-36	21,422		Maximus
37	2,500	Mgmt. Office	Vacant
38 - 42	19,689		Bee Electronics
43	2,500		Vacant
44-45	4,062		Maximus
46	3,500		Vacant
47-48	5,000		PAL
49	2,400		Carnahan
50-51	4,025		Drawdy Concrete
<u>OUTPARCEL BUILDING</u>			
52-59	11,442		52-59

**Property Identification**

Site Address: 2765 PETERS RD  
 Parcel ID: 2324-311-0005-000-1  
 Account #: 128079  
 Map ID: 23/24S  
 Use Type: 1700  
 Zoning: C3  
 City/County: Fort Pierce

**Ownership**

Crossroads Plaza FPI LLC  
 4800 N Fed Hwy Ste B-205  
 Boca Raton, FL 33431

**Legal Description**

24 35 39 COMM NE COR OF SW 1/4 RUN N 89 DEG 41 MIN 32 SEC W 768.20 FT, TH S 00 DEG 18 MIN 28 SEC W 45 FT TO SLY R/W ANDREWS AV AND POB, TH S 89 DEG 41 MIN 32 SEC E ALG SD SLY R/W 683.72 FT TO PC CONC SW, CA 89 DEG 36 MIN 19 SEC, R OF 30 FT, CB S 44 DEG 53MIN 22 SEC E, TH ALG SD CURVE 46.92 FT TO WLY R/W PETERS RD, THS 00 DEG 05 MIN 03 SEC E ALG WLYR/W 261.67 FT TO PC CONC WLY, CA OF 26 DEG 42 MIN 20 SEC, R OF 560FT, CB S 13 DEG 15 MIN 57 SEC W, TH SWLY ALG ARC OF SD CURVE 261.02 FT, TH S 26 DEG 37 MIN 08 SEC W 235 FT TO PC CONC N, CA 77 DEG 16 MIN 03 SEC, R OF 435 FT, CBS 65 DEG 15 MIN 09 SEC W, TH SWLYALG ARC OF SD CURVE 586.63 FT TOA PT OF REV CURVE CONC SLY, CA OF 45 DEG 27 MIN 09 SEC, R OF 515 FT, CB S 81 DEG 09 MIN 36 SEC W, TH NELY ALG ARC OF SD CURVE 408.55 FT TO PT OF CURVE CONC N, CA OF 80 DEG 06 MIN 22 SEC, CB N 81 DEG 30 MIN 48 SEC W, R OF 30FT, TH ALG ARC OF SD CURVE 41.94 FT TO ELY R/W ENTRY BV AND PT OF CURVE CONC NELY WITH CA 21 DEG 31 MIN 01 SEC, R OF 625 FT, TH NWLY ALG ARC OF SD CURVE 234.71 FT, TH N 19 DEG 56 MIN 35 SEC W 100.87 FT, TH N 70 DEG 04 MIN 02 SEC E 459.41 FT, TH N 25 DEG 04 MIN 02 SEC E 226.43 FT, TH N 00 DEG 18 MIN 28 SEC E 405.04 FT TOPOB. BEING PART OF VAC VILLA VISTA S/D AS IN PB 6 PG 27 (18.61 AC) (OR 2851-331)



**Total Areas**

Finished/Under Air (SF): 158,300  
 Gross Area (SF): 174,927  
 Land Size (acres): 18.61  
 Land Size (SF): 810,651.6

**Current Values**

Just/Market Value: \$5,033,000  
 Assessed Value: \$5,033,000  
 Exemptions: \$0  
 Taxable Value: \$5,033,000

Taxes for this parcel: [SLC Tax Collector's Office](#)

Download TRIM for this parcel: [Download PDF](#)

**Sale History**

Date: Jun 16, 2007  
 Book/Page: 2851 / 0331  
 Sale Code: XX02  
 Deed: SP  
 Grantor: Florida Furniture Mart Inc  
 Price: \$11,500,000

Date: Aug 13, 2003  
 Book/Page: 1775 / 2405  
 Sale Code: XX02  
 Deed: WD  
 Grantor: Russell Development Corp  
 Price: \$4,500,000



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Crossroads Plaza FPI, LLC  
4800 N Federal Highway  
#B-205  
Boca Raton, FL. 33431

**Re: Conditional Use – Florida Nexus Park – 2705 Peters Road**

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Dear Crossroads Plaza FPI, Inc.,

The following are comments from the Planning Department's review of the application for the Conditional Use Application (**Please Provide a Written Response to all responsible Departments**):

**1) Please ensure separation of uses; particularly the Police Athletic League from the other uses.**

**2) No Outdoor Storage**

If deemed necessary, please provide a written response to each comment in order to expedite the review of any subsequent submittals. Please contact me should you have any questions regarding the project at (772) 467-3741 or by e-mail: [vgilmore@city-ftpierce.com](mailto:vgilmore@city-ftpierce.com).

Sincerely,

Vennis Gilmore  
Planning Analyst



THE SUNRISE CITY  
**FORT PIERCE**  
ENGINEERING  
DEPARTMENT

*Florida*



**To : Vennis Gilmore, Planning Analyst**

**FROM : John R. Andrews, P.E., City Engineer**

*JRA*

**RE : Florida Nexus Park – 2705 Peters Road  
Temporary Use and Conditional Use  
TRC No. 18-04000018**

**DATE : October 12, 2018**

This is to advise you that we have completed the review of the following documents as received by this office on October 4, 2018:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Site Plan   | <input type="checkbox"/> P/D Drawings  |
| <input type="checkbox"/> Test Reports & Related Documents                                 | <input type="checkbox"/> Certificate of Completion                               |
| <input type="checkbox"/> Record Drawings  | <input type="checkbox"/> Permits from applicable Local, State & Federal Agencies |
| <input type="checkbox"/> Clearances from all applicable Local, State and Federal Agencies |  |

Based on our reviews and appropriate site final inspection, we

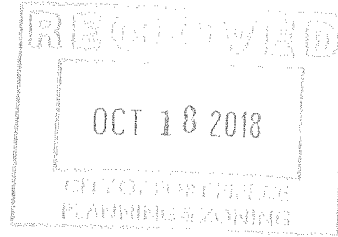
- |   |   |                              |
|---|---|------------------------------|
| <input checked="" type="checkbox"/> Recommend             | <input type="checkbox"/> Do Not Recommend |                              |
| <input checked="" type="checkbox"/> Approval of Site Plan | <input type="checkbox"/> Building Permit  | <input type="checkbox"/> C/O |

Developer, Owner, Engineer, Contractor and other members of the Development Team must be aware, the above recommendation is based only on the construction requirements of the engineering plans and other engineering documentation approved by this department. The Development Team shall be responsible for the compliance with other City department requirements and all approved documents, as well as Local, State and Federal regulations. The development requirements for this project may necessitate additional construction requirements that are not subject to this department's review for approval.

See attached for engineering comments  
JRA/TST/tst

**BUILDING DEPARTMENT  
TECHNICAL REVIEW COMMITTEE (TRC)  
COMMENT FORM**

Meeting Date: October 18, 2018  
 Property Address: 2705 Peters Road – Temp. Use & Cond. Use  
 Property Name: Florida Nexus Park  
 Project Name:  
 Planner: Vennis Gilmore

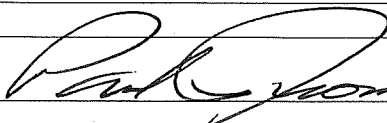


*Please be advised that the project may trigger the requirements indicated below:*

- 1. Building Official or his representative has no comment at the time of this meeting, but reserves submission of comments upon completion of the official plan review.
- 2. Pre-construction meeting with the City's Building Department is requested.
- 3. Any construction will need to meet the requirements of the Florida Building Code 6<sup>th</sup> Edition.
- 4. Means of egress is required.
- 5. Means of ingress is required.
- 6. Must meet the following Accessibility requirements:
  - Accessible route
  - Handicapped parking spaces
  - Means of egress
- 7. Change of Use required
  - to include a signed and sealed Life Safety Plan
  - to include a signed and sealed detailed comprehensive building plan.
- 8. Property exists in Special Flood Hazard Area. All Federal and State requirements shall be addressed.
- 9. Flood Development Permit required.
- 10. Building Permit required.
- 11. Signed and sealed construction drawings required.
- 12. Will need to meet the Fire Code.
- 13. Sprinkler system is required.
- 14. Smoke alarm system is required.
- 15. Other

**Additional Comments/Requirements:**

Building Official's or Representative's Signature



Date:

10/18/18

Good Morning Alicia,

County engineering does not have any comments for the projects on this agenda at this time. We will reserve any comments until a development plan is proposed.

Thank you,

**Grant Chambers, P.E.**



St. Lucie County Engineering Division

2300 Virginia Ave., Rm. 229

Fort Pierce, FL 34982

Direct: (772) 462-2741 w Main: (772) 462-1707 w Fax: (772) 462-2362

Email: [chambersg@stlucieco.org](mailto:chambersg@stlucieco.org) w Website: [www.stlucieco.org](http://www.stlucieco.org)

Good afternoon,

Below are FPUA comments regarding the submission for the TRC Meeting on October 18, 2018.

- b. Temporary Use & Conditional Use – Florida Nexus Park – 2705 Peters Road - Vennis Gilmore
- W/WW Engineering: FPUA has water and sewer services readily available to serve this facility. One of the temporary and conditional use based on the permit application includes a large scale catering business, however, this location does not have a grease interceptor and would require one to be able to house any such business.
  - Electric & Gas Engineering: No comment

Thank you

Regards,

Martha Kerr

*Staff Assistant*

*W/WW Engineering Department*

*Fort Pierce Utilities Authority*

*1701 S. 37<sup>th</sup> Street*

*Fort Pierce, FL 34947*

*Telephone: (772) 466-1600, Ext. 3473*

*Fax: (772) 468-2414*

[mkerr@fpu.com](mailto:mkerr@fpu.com)

**From:** SANDERS, MARVIN E.

**Sent:** Friday, October 12, 2018 2:03 PM

**To:** Brandon Creagan

**Cc:** Rebecca Grohall

**Subject:** 18-04000018 FL Nexus Park Temp Use 2705 Peter Rd. Temp & Conditional Use

The School District does not have any comments or concerns regarding the project.

Please feel free to call me if you have any questions.

Marty E. Sanders, P.E.

Growth Management, Land Acquisition & Inter-Governmental Relations

School Board of St. Lucie County

Temporary office

582 NW University Blvd., Ste 500

Port St. Lucie, FL 34986

cell 772.216.5755



PUBLIC WORKS  
ENGINEERING DIVISION  
DEVELOPMENT REVIEW  
COMMITTEE

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**October 16th, 2018**

**Project:** Florida Nexus Park  
**Subject:** SURVEY REVIEW  
**To:** Vennis Gilmore  
**From:** Rod Reed, PLS  
SLC-Engineering Division

All comments are based on the Standards of Practice per 5J-17.050 thru 5J-17.052

**SURVEY:**

- 1) No comments.

***Rod Reed, County Surveyor***

*St. Lucie County, Fl.  
2300 Virginia Avenue  
Ft. Pierce, Fl. 34982-5652  
[www.stlucieco.org](http://www.stlucieco.org)  
Ph. (772) 462-1721  
E-mail [reedr@stlucieco.org](mailto:reedr@stlucieco.org)*



ST. LUCIE COUNTY  
PLANNING & DEVELOPMENT SERVICES  
TECHNICAL REVIEW LETTER

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**TO:** Vennis Gilmore, Planning Analyst

**FROM:** Kori Benton, Senior Planner

**DATE:** October 18, 2018

**SUBJECT:** **Temporary Use & Conditional Use – Florida Nexus Park – 2705 Peters Road**

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The St. Lucie County Planning & Development Services Department has completed a review of the September 6, 2018 distribution of Technical Review Project# 18-04000018.

**Background**

The applicant is seeking approval of a Temporary Use & Conditional Use located at 2705 Peters Road. The parcel currently has a zoning of C3, General Commercial and a Future Land Use of GC, General Commercial. The applicant would like to allow certain Conditional Uses to become permitted uses within the Florida Nexus Park. The uses are artisan, cabinet shops/woodworking, light industrial services, catering facility (large scale), contractors/others performing services offsite, microbrewery, research service, and whole sale trade. The applicant is also requesting a temporary use to allow these uses to operate with-in the plaza while this project is going through the Conditional Use process. The complex contains 158,300 square feet of floor area, some of which appears to be occupied.

**Review Comments**

- 1) What is the requested length of time for the Temporary Use application?
- 2) How long would the Conditional Use authorization be valid? If specifically approved uses, within the condition use request, are not established within one (1) year will the approval expire?
- 3) For uses such as Light Industrial Service and Contractors/Others Performing Services Off-Site, will the uses remain subject to standards of the C-3 district pertaining to outdoor storage, etc.?

Please contact me at 772-462-2518 if you have any questions or would like to discuss the presented comments.



THE SUNRISE CITY  
**FORT PIERCE**  
CODE ENFORCEMENT *Florida*

TO : Vennis Gilmore , Planner  
FROM : Janey Vanderhorst, Code Compliance Supervisor  
SUBJECT : TRC # 18-04000018 – 2705 (2765) Peters Rd  
DATE : October 18, 2018

Code Enforcement has the following comments:

1. No active cases on parcel # 2324- 311- 0005 – 000 -1, so no comments.