

**LEVEL I  
CONTAMINATION SCREENING EVALUATION REPORT  
(MAINLINE)**

Florida Turnpike Enterprise

**SR 570B (Central Polk Parkway) Segment 1  
From SR 570 (Polk Parkway) to SR 35 (US 17)**

Polk County, Florida

Financial Management Number: 440897-2-32-01

July 29, 2020

The analysis in this document has been supplemented by the CSER Addendum for Pond Sites and the CSER Addendum to Mainline and Pond CSERs.

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# Executive Summary

The purpose of this report is to present the findings of a contamination screening evaluation for the SR 570B (Central Polk Parkway) Segment 1 from SR 570 (Polk Parkway) to SR 35 (US 17) roadway project. The mainline corridor was evaluated in this report. Pond sites have been evaluated independently and presented under separate cover. This report identifies and evaluates known or potential contamination sites within or adjacent to the project area that may affect implementation of the project. The report also presents recommendations for additional analysis and documents possible project impacts and their mitigations.

This Level I Contamination Screening Evaluation Report (CSER) has been prepared using the FDOT PD&E Manual, Chapter 20 reporting format and standard environmental assessment practices of reviewing records of regulatory agencies, site reconnaissance, literature review and when necessary, personal interviews of individuals and business owners within the limits of the project. This report was **revised** based on FTE comments provided on March 31, 2020, April 28, 2020 and May 19, 2020.

Additionally, the following document was reviewed as part of this contamination screening evaluation: PD&E Final CSER (FPID 432601-1-22-01) dated December 2010 (Revised March 2011). A total of eight contamination sites were identified within the study area. The risk ratings assigned were 1-High, 2-Medium, 4-Low, 1-No. These contamination sites are discussed in **Section 8.0**. The PD&E site reconnaissance was conducted between July 2010 and December 2010.

Based on this Level I contamination screening evaluation, a total of eighteen potential contamination sites were identified within the project limits. The following table presents a summary of the risk ratings assigned for each potential contamination site/facility:

Risk rating	No. of Sites
No	3
Low	9
Medium	6
High	0

Based on the conclusions of the study and the risk ratings noted above, the following recommendations are made for this project:

- For the locations rated “No” for potential contamination, no further action is required. These sites have been evaluated and determined not to have any potential contamination risk to the study area at this time.
- For the locations rated “Low” for potential contamination, no further action is required at this time. These sites/facilities have the potential to impact the study area, but are determined to have low risk to the project at this time. Variables that may change the risk rating include a facility’s non-compliance to environmental regulations, new discharges to the soil or groundwater, and modifications to current permits. Should any of these variables change, additional assessment of the facilities should be considered.
- In accordance with Chapter 20 of the PD&E Manual, contamination sites that are assigned a “Medium” or “High” risk rating must be further evaluated to verify or determine the extent of impact. The FDOT District Contamination Impact Coordinator (DCIC) should be consulted regarding the site-specific Level II field screening scope of work.

Additional information may become available or site-specific conditions may change from the time this report was prepared and should be considered prior to acquiring ROW and/or proceeding with roadway construction.

# 1.0 Introduction

The purpose of this report is to present the findings of a contamination screening evaluation for the SR 570B (Central Polk Parkway) Segment 1 from SR 570 (Polk Parkway) to SR 35 (US 17) roadway project. The mainline corridor was evaluated in this report. Pond sites have been evaluated independently and presented under separate cover. This report identifies and evaluates known or potential contamination sites within or adjacent to the project area that may affect implementation of the project. The report also presents recommendations for additional analysis and documents possible project impacts and their mitigations.

## 2.0 Project Description

The Central Polk Parkway (CPP/SR 570B) will be a new four-lane divided limited access facility in Polk County, Florida. Through coordination with Florida's Turnpike Enterprise it has been determined that this new corridor will be a Strategic Intermodal System (SIS) highway. This roadway network is a planned new alignment toll facility that will connect the Polk Parkway (SR 570) with SR 60 to the south. The project is located between the City of Lakeland to the north and the City of Bartow to the west and will be completed with three Financial Project Identification Numbers (FPID). Part A, FPID 440897-2-32-01, will focus on development of an optimized alignment, identify right-of-way needs, and development of Phase 1 plans. Part B, FPID 440897-2-32-01, will focus on final right-of-way maps, permitting, and final construction plans. FPID 440987-4-22-01, which is currently being scoped, will be to perform a Project Development and Environment (PD&E) Study from the termination of Part A at US 17 (SR 35) to SR 60. FPID 440897-3-32-01 will utilize the alignment recommendation from the FPID 440897-4-22-01 PD&E Study and will prepare final right-of-way maps, permitting, and develop final construction plans from US 17 (SR 35) to SR 60.

The limits of this project are within the boundaries of the PD&E study, FPID 423601-1-22-01 Central Polk Parkway from SR 60 to SR 570 (Polk Parkway) and from SR 60 to Interstate 4. The 423601-1-22-01 State Environmental Impact Report (SEIR) was signed in March 2011. FPID No. 431641-1-52-01 for Segment 1 of the Central Polk Parkway from SR 570 (Polk Parkway) to south of US 17 (SR 35) which began in February of 2013 and was partially completed to Phase I by FDOT District One. The District One project was then placed on hold in April 2016 stopping any future work on the project noting insufficient funding and traffic volume support. Under FPID 440897-2-32-01 Part A for this project, the Central Polk Parkway Segment 1 project limits for the scope of work will extend from the SR 570 (Polk Parkway) at SR 540 (Winter Lake Road) to US 17 (SR 35), approximately six miles in Polk County. Access to this new alignment from the south at US 17 (SR 35) will be by an at-grade intersection and the facility will feature an All-Electronic Tolling (AET). Coordination with FTE will be necessary in the future to find an optimum location for the AET Plaza locations. This project also includes new interchanges at SR 570 (Polk Parkway) and SR 540 (Winter Lake Road).

The primary purpose of Part A for the Segment 1 project is to develop an Alternatives Evaluation Report which will focus on the design optimization of the previous FDOT District One design. The project scope of services included the evaluation of three interchange alternatives at SR 570 (Polk Parkway), three interchange alternatives at US 17 (SR 35), two interchange alternatives at SR 540 (Winter Lake Road), and two over/under alternatives at Thornhill Road (two locations) and Old Bartow Eagle Lake Road. In addition, the analysis includes evaluating the Central Polk Parkway mainline typical section and horizontal geometrics in order to minimize right-of-way needs and impacts. The previously completed geometrics under the District One contract were reviewed, and eight locations throughout the corridor where refinements are plausible were identified. See **Figure 1** for the project location map which includes eight

focus areas that were identified through the analysis. Each area includes several design alternatives for analysis in an attempt to refine the original design. These alternatives address right-of-way need, residential and business impacts, roadway geometrics as it relates to safety and traffic volumes, stormwater management facilities, preliminary structural design, environmental, geotechnical, and utility concerns. These alternatives were analyzed to identify cost savings measures and right-of-way savings to balance the projected project funding to support the construction financial feasibility for this project.

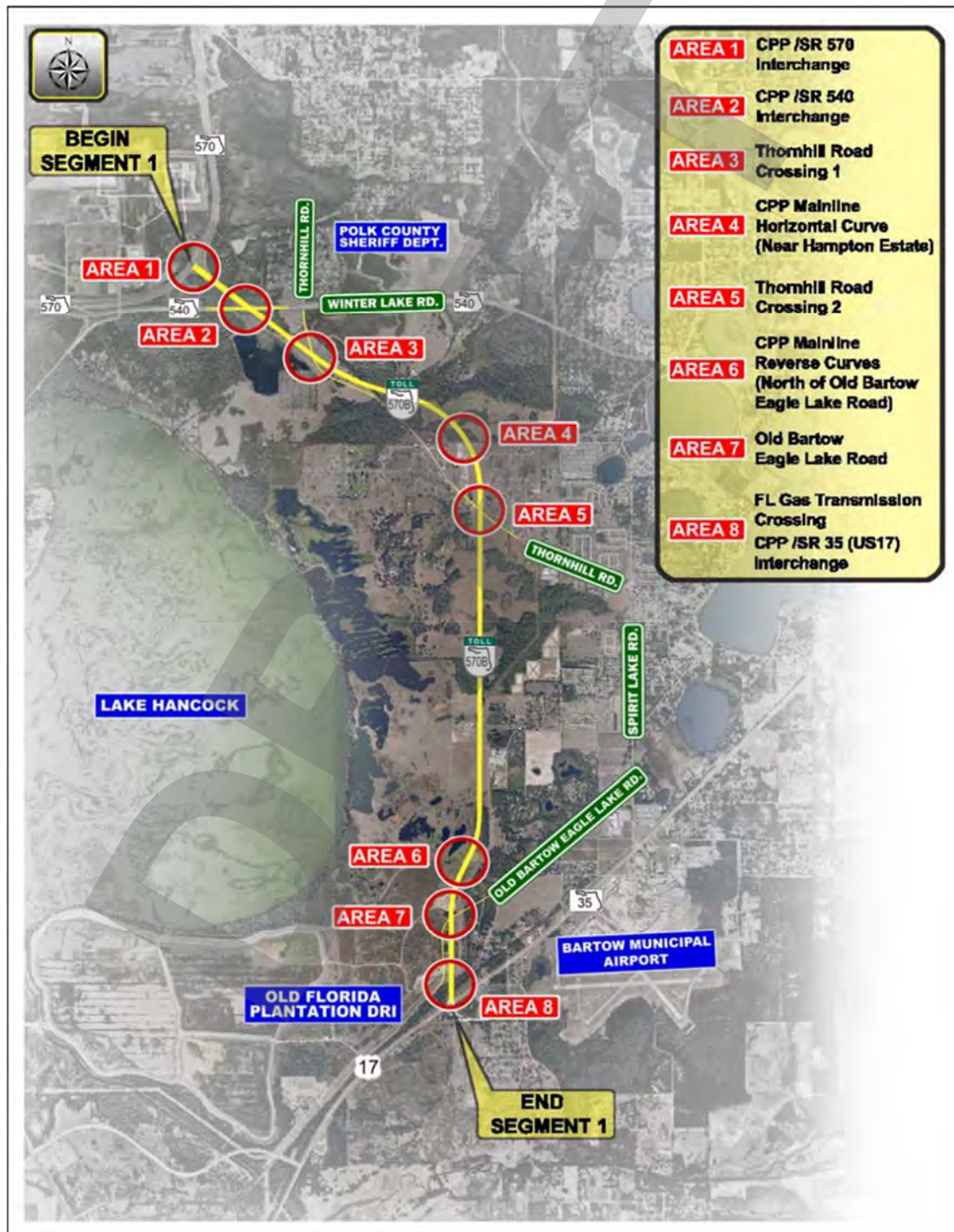


Figure 1

## 3.0 Project Alternatives

Based on the Alternatives Evaluation Report dated August 2018, alternatives were previously evaluated for eight areas along the project alignment. This contamination screening evaluation was performed for the preferred alignment based on the files provided by the client. Contamination screening evaluations for pond alternatives and the bald eagle realignment are both provided in separate documents.

## 4.0 Methodology

This CSER was performed in accordance with Chapter 20 of the PD&E Manual. The evaluation included the following tasks:

- Reviewing information found on the Polk County Property Appraiser's (PCPA's) website, such as parcel boundaries and addresses for contamination sites where they were not obvious. These parcels include Sites 1, 2, 4, 5, 7, 9, 11, and 13. See **Section 8.1**, Table 2, second and fourth columns for information derived from this research;  
Source: <https://www.polkpa.org/MapSearch.aspx>.
- A regulatory review of governmental databases for permits and/or violations associated with contamination issues. Environmental Data Management's (EDM's) report is provided in **CSER Appendix D**;
- Obtaining and evaluating historical aerial photographs in an effort to determine potential contamination issues. Copies of select historical aerial photographs are presented in **CSER Appendix B**. The aerial photograph review summary is provided in **Section 5.1**.  
Sources:  
<https://ufdc.ufl.edu/aerials/map?n=palmm&n=palmm>,  
<https://fdotewp1.dot.state.fl.us/aerialphotolookupsystem> ;
- Review of topographic maps to develop an understanding of previous land uses in the study area and to identify any areas that may show historical, natural and manmade features, which aid in determining potential contamination concerns. A copy of the topographic map is provided in **CSER Appendix C**. The topographic map review summary is provided in **Section 5.2**.  
Source: <https://ngmdb.usgs.gov/topoview/viewer/#4/40.01/-100.06>;
- Conducting site visits to verify information provided and to identify other potential concerns within the vicinity of the project. See **Section 8.1**; and
- Determining the contamination potential and assigning a risk rating for each potential contamination site within the proposed project limits. See **Section 8.1**.

Additionally, the following documents were reviewed as part of this contamination screening evaluation:

- PD&E Final CSER (FPID 432601-1-22-01) dated December 2010 (Revised March 2011). A total of eight contamination sites were identified within the study area. The PD&E Sites are: W203R-4 (Site 1), W203R-3 (Site 2), W203R-7 (Site 4), W206-1 (Site 5), W207-1 (Site 7), W203R-5 (Site 8), W203R-6 (Site 11), and W206-2 (Site 13). The risk ratings assigned were 1-High, 2-Medium, 4-Low, 1-No. These contamination sites are discussed in **Section 8.1, Table 2**. The PD&E site reconnaissance was conducted between July 2010 and December 2010.
- Tierra's Preliminary Roadway Soil Survey Report dated October 23, 2018
- Tierra's Letter on Organic Vapor Analyzer (OVA) Screening dated January 3, 2014. See Site 11 in **Section 8.1, Table 2** for details.
- Agencies Contacted: Tierra emailed Mrs. Brenda Andrews of the Florida Department of Health, Bureau of Radiation Control. See **Section 8.1, Table 2, Site 11** for details.

## 4.1. Regulatory Review

An environmental database search using Environmental Data Management, Inc. (EDM) was conducted on October 2, 2018 to identify sites, facilities or listings within the study area containing documented or suspected petroleum contamination or other hazardous materials. A search radius of  $\frac{1}{8}$  of a mile for all regulatory databases was conducted as a preliminary screening tool to identify facilities that are registered with various county, state, and federal agencies. The EDM data was supplemented to  $\frac{1}{2}$  mile for solid waste, Comprehensive Environmental Response, Compensation, and Liability Act, and National Priorities List sites using Florida Department of Environmental Protection (FDEP) databases.

The regulatory review of federal and state environmental records utilizes an integrated geographic information system database. The database report provides geocoded and non-geocoded regulatory listings of interest that are identified within the study area. Each listing is located by address, facility identification (ID) number and field verified where possible. All are reviewed for the potential of contamination to impact the project. The reviewed records include information compiled by the United States Environmental Protection Agency (EPA), the FDEP, and other various reporting programs, as identified in the attached environmental database search report. A complete list of all regulatory record databases searched is included in the environmental database search report, provided in **CSER Appendix D**.

## 4.2. Site Reconnaissance

A site visit was conducted on March 7, 2019 to evaluate each property within and in close proximity to the study area for potential contamination concerns. Observations noted during the site reconnaissance are provided in Table 2, **Section 8.1**. For this project, no additional contamination sites were identified during our site reconnaissance. The reconnaissance included a systematic inspection of each parcel within the study area looking for signs of potential contamination. This was achieved by first driving the mainline roadway (or nearby roadway) several times in both directions to get generalized information on the study area, then walking specific parcels of interest along and fronting the Right Of Way (ROW) to gain specific information regarding the usage and condition of the parcel. Photographs of potential contamination concerns and other prominent features were taken during the site inspection. Select images are presented in **CSER Appendix E**.

Some of the typical physical indicators for contamination concerns include: railroad tracks, fill ports and vent pipes associated with underground storage tanks (USTs); oil/petroleum staining; drums; chemical containers; refuse; illicit dumping; solid waste; stressed vegetation; dry cleaning facilities; material handling from adjacent businesses; petroleum dispensers; excavated areas; agricultural use; chemical mix/load areas; stormwater outfall areas; surface water indicators; groundwater monitor wells, restricted area/contamination/HAZMAT/petroleum pipeline signage, and other property uses that may present contamination concerns.

The site reconnaissance in conjunction with the review of historical aerial photography, regulatory database searches, and review/evaluation of available data allows the site to be rated as to the degree of contamination concern as discussed in **Section 4.4**.

## 4.3. Supplemental Regulatory Information

In addition to the environmental database search report, the regulatory records review was supplemented with readily available information from various online sources as listed below. See **Section 8.1** for details for Sites 1, 2, 4, 5, 7, 9, 10, 11, and 12. A copy of useful documentation is included in **CSER Appendix F**.

- FDEP Map Direct
- FDEP OCULUS Document Management System

## 4.4. Determination of Potential Risk

After gathering and reviewing all readily available public information and conducting site reconnaissance, contamination risk ratings were assigned to sites of potential contamination concern. The rating system is divided into four categories of risk as defined by the FDOT in the PD&E Manual, Part 2, Chapter 20, Section 20.2.2.4, Determination of Risk Rating. These four degrees of risk ratings are “No,” “Low,” “Medium,” and “High.” This system expresses the degree of concern for potential contamination problems.

### No Risk Site

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

### Low Risk Site

A review of available information indicates that past or current activities on the property have an ongoing contamination issue; the site has a hazardous waste generator identification (ID) number, or the site stores, handles, or manufactures hazardous materials. However, based on the review of conceptual or design plans and/or findings from the Level I evaluation, it is not likely that there would be any contamination impacts to the project.

### Medium Risk Site

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

### High Risk Site

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

Risk ratings assigned for each contamination site identified for this project are provided in **Section 8.1**.

## 5.0 Land Uses

Land use is an important factor when evaluating historical and current environmental conditions. Evaluating the past use of properties can assist in determining possible chemical constituents that may have been used or associated with a particular parcel. Current land use records, typically supplied by the local county or municipality, also provide environmental professionals additional information. During the site reconnaissance on March 7, 2019, the existing Polk Parkway and other roadways were observed in the configuration presented in **CSER Appendix A**. The current land use in surrounding areas was observed as woods, pasture, and existing roadways. No contamination issues that were not previously identified during desktop review were found during the site reconnaissance.



## 5.1. Historical Aerial Photography Review

Historical aerial photographs were reviewed to develop a history of the previous land uses within the study area and to identify any areas which may have historical uses that pose potential contamination concerns.

Historical aerial photographs dated 1941, 1952, 1957, 1968, 1971, 1980, 1993, 1994, 1999, 2004-2010, 2012-2014, 2016-2018 were reviewed from the United States Geological Society (USGS) Earth Resource Observation and Science (EROS) Center, University of Florida, FDOT Survey & Mapping, and Google Earth online libraries. A summary of our review is discussed in **Table 1** below. A copy of the 2016 aerial photograph is presented in **CSER Appendix A**. Copies of select historical aerial photographs are presented in **CSER Appendix B**.

Additional site-specific current land use details regarding facilities/sites of concern are included in the Potential Contamination Sites Summary Table in **Section 8**.

<b>Table 1: Summary of Aerial Photograph Review - Mainline</b>	
<b>Year</b>	<b>Comment</b>
1941-1957	Land use generally consists of pasture and low-lying areas. Thornhill Road and US 17 are noted in their current alignments. A railroad (Site 8) corridor is visible at the south end of the project just north of US 17.
1968	Mining (Site 11) activities spanning approximately 2 miles of the southern portion of the project corridor are evident within and adjacent to proposed ROW. Drainage swales are visible within proposed ROW in the central and northern portions of the project. Winter Lake Road is visible intersecting the project corridor at the north end of the project.
1971	The railroad (Site 8) corridor at the south end of the project appears abandoned. Old Bartow Eagle Lake Road is visible intersecting proposed ROW at the south end of the project.
1980	Presumed landfill (Site 7) activities begin at the north end of the project.
1993	Earthwork activities presumably associated with the landfill (Site 7) at the north end of the project are visible within and adjacent west of the proposed ROW. Residential development is visible in the vicinity of Thornhill Road, including at least one structure within proposed ROW.
1994	No noteworthy changes observed.
1999	The Central Polk Parkway (Sites 14, 15, 16, 17) is now constructed in its current alignment.
2004-2005	Two structures are added within proposed ROW in the vicinity of Station 1235 in the southern area of the project.
2006-2010	Construction of an additional landfill (Site 7) area is visible adjacent west of proposed ROW at the north end of the project corridor.
2012-2013	Two manmade ponds are added within proposed ROW at the south end of the project corridor.
2014, 2016-2018	The study area appears similar to present day. See the land use map (aerial photograph) available in <b>CSER Appendix A</b> .

During the historical aerial photography review, contamination concerns including railroad tracks, mined land, and landfill activities were identified. These concerns are further discussed in **Section 8.0**.

## 5.2. USGS Topographic Map

Topographic maps are reviewed to develop an understanding of previous land uses in the study area and to identify any areas that may show historical, natural and manmade features, which aid in determining potential contamination concerns. The USGS 7.5-Minute “Bartow, Florida” Quadrangle dated 1949, photo-revised 1987 and the USGS 7.5-Minute “Auburndale, Florida” Quadrangle dated 1975, photo-revised 1988 were reviewed as part of this study. A copy of the topographic map is provided in **CSER Appendix C**.

Based on a review of the topographic map, the land use within the study area includes pasture, woods, swamp or marsh, ponds, unimproved roads, and a reclaimed strip-mining area. The reclaimed strip-mined area is located at the south end of the project corridor along the east side of Lake Hancock and is further discussed in **Sections 8.0**. US 17, Thornhill Road, Old Bartow Eagle Lake Road, and Winter Lake Road are visible.

## 6.0 Hydrologic Features

The northern portion of the project area is generally underlain by the surficial aquifer, which is characterized by fine to medium-grained quartz sand near the land surface that grades with depth to silty and clayey sands. The groundwater surface generally follows topography, which slopes generally to the southwest, towards Lake Hancock.

However, the southern and central areas were subject to phosphate mining and reclamation. They are characterized by open fields, low-lying areas, open water bodies and mounds/hills. According to Tierra’s Roadway Soil Survey Report dated November 22, 2019, depths to shallow groundwater range from land surface to depths greater than ten feet bls. See Tierra’s Roadway Soil Survey Report dated November 22, 2019 for details.

Existing surface drainage appears to be infiltration and runoff generally towards surrounding manmade drainage features and low, wet areas.

## 7.0 Interviews

Communication with landowners, facility operators, residents, and governmental agencies can aid in the understanding of past and current land uses within the study area. Where possible or when necessary, interviews or requests for information are collected in an effort to identify potential concerns associated with petroleum storage tanks; automotive or marine, maintenance, service or repair facilities; dry-cleaning processes; and other industrial or agricultural operations that could affect the project. Email correspondence is provided in **CSER Appendix F** for Site 11. Agencies contacted were previously identified in **Section 4.0**, and details are provided in **Section 8.1**.



# 8.0 Project Impacts

## 8.1. Potential Contamination Sites Summary

Based on the Contamination Screening, eighteen potential contamination sites were identified within the study area which may impact the proposed improvements for this project. Details for each site investigated are provided in the Potential Contamination Sites Summary table below. The location of each contamination site is illustrated in **CSER Appendix A**. Relevant background information is presented in **CSER Appendix F**.

Table 2: Mainline Potential Contamination Sites Summary						
Site Number	Site Name & Address	Facility ID	Approximate Distance From Project	Contaminants of Concern	Risk Rating	Comments
1	Duratek Wall Corp. 3390 US 17 N, Bartow	ECHO ID 11002053220 110039629970 110041943868	Adjacent south	NA	No	This facility (PD&E Site W203R-4) was identified as an industrial facility located 750 feet northeast of the ROW in the PD&E CSER dated December 2010 (Revised March 2011), and was assigned a risk rating of No. See site location in <b>CSER Appendix A, Sheet A-4</b> . During the site reconnaissance, this site was observed as Millmac Fabrication, Welding and Design. This site is listed on the United States Environmental Protection Agency (EPA) Enforcement and Compliance History Online (ECHO) database. This database provides integrated compliance and enforcement information for facilities that are regulated under the Clean Air Act, Clean Water Act, Safe Drinking Water Act, and Resource Conservation and Recovery Act. In this instance, the listing is due to a National Pollutant Discharge Elimination System (NPDES) permit and an Air Facility System (AFS) permit. No code violations, enforcements or other contamination concerns are reported. Based on the lack of contamination concerns, this facility is assigned a risk rating of No.
2	Tyre Equipment 2379 US 17 N, Bartow	8838653	Adjacent south	Petroleum	Low	This facility (PD&E Site W203R-3) was identified as an equipment rental facility located 400 feet northeast of the ROW in the PD&E CSER dated December 2010 (Revised March 2011), and was assigned a risk rating of Low. See site location in <b>CSER Appendix A, Sheet A-4</b> . During the site reconnaissance, this site was observed as Tyre Equipment, an equipment rental facility. Based on the EDM report, this facility maintains one 250-gallon unleaded gasoline aboveground storage tank (AST) and one 550-gallon diesel fuel AST. No discharges were reported. Given the lack of reported contamination concerns, this facility is assigned a risk rating of Low.
3	Lake Hancock ECHO Listing 3217 Old Bartow Eagle Lake Rd, Bartow	ECHO ID 110059798759	0.85 miles west	NA	No	This site location is not depicted in <b>CSER Appendix A</b> since it is located beyond the range of coverage on <b>Sheet A-4</b> . During the site reconnaissance, this site was observed as open pasture. This site is listed on the EPA's ECHO database. In this instance, the listing is due to an NPDES permit. Presumably, the permit was issued for earthwork activities taking place circa 2012 located approximately 0.85 miles west of this project. No code violations, enforcements or other contamination concerns are reported. Based on the separation distance and lack of contamination concerns, this facility is assigned a risk rating of No.
4	Polk County Fleet Management 3000 Sheffield Rd, Winter Haven	8628387 Hazardous Materials FLD982157687 Solid Waste 95912	140 feet east	Petroleum, hazardous waste, Solid waste	Low	This facility (PD&E Site W203R-7) was identified as an fleet maintenance facility with fuel storage tanks (discharge with No Further Action (NFA) status) located adjacent east of the ROW in the PD&E CSER dated December 2010 (Revised March 2011), and was assigned a risk rating of Low. See site location in <b>CSER Appendix A, Sheet A-3</b> . During the site reconnaissance, this site was observed as the Polk County Fleet Management Facility. Based on the EDM report, this facility formerly maintained four underground storage tanks (USTs) of various capacities containing leaded gasoline or diesel fuel, removed in 1991. One 10,000-gallon diesel fuel AST and one 10,000-gallon unleaded gasoline AST are currently in service. The ASTs were observed approximately 670 feet east of proposed ROW. A diesel fuel discharge was reported on August 30, 1994 and was issued a Site Rehabilitation Completion Order (SRCO) on November 22, 2005. In addition, this facility is registered as an active waste tire collector and a Conditionally Exempt Small Quantity Generator (CESQG) of hazardous waste. No unresolved code violations, enforcements, or other contamination concerns regarding solid waste (tires) or hazardous materials are reported. Based on the regulatory status and lack of current contamination concerns, this facility is assigned a risk rating of Low.
5	W H Stuart Ranch Inc. 4340 Thornhill Rd, Winter Haven	8624521	Within ROW	Petroleum	Low	This facility (PD&E Site W206-1) was identified with "several small ASTs" inside the barn (located within the ROW) in the PD&E CSER dated December 2010 (Revised March 2011), and was assigned a risk rating of Low. See site location in <b>CSER Appendix A, Sheet A-3</b> . During the site reconnaissance, this site was observed as a pasture and barn. According to the EDM report and the FDEP's Storage Tank Contaminated Facility Search online database, this facility formerly maintained two unleaded gasoline USTs and four diesel fuel ASTs ranging in size from 250-gallons to 500 gallons, removed on an unspecified date. No discharges are reported. Based on the lack of reported contamination concerns, this facility is assigned a risk rating of Low.
6	Polk County Household Hazardous Waste Facility 5 Environmental Loop S, Winter Haven	Hazardous Materials FLR000115329	450 feet north	Hazardous waste	Low	See site location in <b>CSER Appendix A, Sheet A-2</b> . During the site reconnaissance, this site was observed as the Polk County Household Hazardous Waste collection facility. According to the EDM report, this facility is a registered CESQG of hazardous waste with no code violations, enforcements, or other contamination concerns noted. Based on the lack of reported contamination concerns, this facility is assigned a risk rating of Low.

Table 2: Mainline Potential Contamination Sites Summary						
Site Number	Site Name & Address	Facility ID	Approximate Distance From Project	Contaminants of Concern	Risk Rating	Comments
7	Polk County North Central Landfill 7399 De Castro Rd, Winter Haven	Hazardous Materials FLT000066746 Solid Waste ID 49722 95745	Within proposed ROW, and adjoining north and west	Solid waste, hazardous waste	Medium	<p>This facility (PD&amp;E Site W207-1) was identified as an active landfill located 800 feet north of the ROW in the PD&amp;E CSER dated December 2010 (Revised March 2011), and assigned a risk rating of Low. See site location in <b>CSER Appendix A, Sheet A-2</b>. According to the EDM report, this facility includes Class I and Class III landfills, an organics processing facility, a waste tire collection center, and an inactive Disaster Debris Management Site (DDMS). According to the FDEP Inspection Checklist dated May 23, 2018 (found on OCULUS), this facility was in compliance. This inspection included Routine Class I and Class III landfill inspections and a closure inspection for the Waste Tire Collection Center facility. According to the Polk County Landfill Closure Report dated September 1985, filling of the Class I unlined landfills on the southern portion of the site (adjacent north of proposed ROW) has been completed. Polk County was in the process of closing these landfill sites in accordance with earlier closure rules (pre July 1, 1985). See <b>CSER Appendix A, Sheet A-2</b> for the unlined landfill locations. According to the Polk County North Central Landfill Site Assessment Plan (found on OCULUS) dated October 2008, this facility was previously a phosphate mine (Saddle Creek Mine), has been used as a landfill since 1977, and groundwater flow in the surficial aquifer is generally towards the southwest, toward proposed ROW. Alternative Cleanup Target Levels (CTLs) are used since the groundwater was considered “poor quality.” The summary stated “based on the alternate CTL specified in Table I of Chapter 62-777 FAC, iron is the only parameter detected in any detection or compliance wells at the NCLF that might require a remedial strategy; all other parameters fit within the No Further Action criteria...because they were not detected anywhere onsite.” See excerpts in <b>CSER Appendix F</b>.</p> <p>The groundwater assessment data included in the First Semi-annual Compliance Monitoring Report dated July 6, 2018 detected elevated levels of iron, and a CTL exceedance of arsenic in one monitoring well (SW-2A) located at the southwest corner of the site adjacent north of proposed ROW. See excerpts in <b>CSER Appendix F</b>.</p> <p>The 3<sup>rd</sup> Quarter Gas Migration Report (methane) with sample date September 28, 2018 states that results for all sample locations were 0.0% of Lower Explosive Limit (LEL). See report in <b>CSER Appendix F</b>. Based on the lack of exceedances, methane gas is not considered a contamination concern at this time.</p> <p>The groundwater assessment data included in the Evaluation Monitoring Report Third Quarter 2018 (found on OCULUS), dated January 15, 2019, benzene was detected in two monitoring wells (SW-107, SW-108) located 1,800 feet or greater to the west of proposed ROW. See excerpts in <b>CSER Appendix F</b>. Based on the separation distance, the groundwater exceedances are not considered contamination concerns to this project.</p> <p>Solid Waste ID 95745 (North Polk Central Landfill Site #201) is for registration as a waste tire collector. Based on the generic nature of this database listing and lack of contamination concerns, this listing is not considered a contamination concern to the project.</p> <p>Please note that the proposed ROW of this project includes a portion of the landfill property within the southeast area of the site that has not been utilized for landfill activities, methane gas monitoring, or groundwater monitoring as of this writing. Based on the lack of landfill activities, the area is not considered a contamination concern to the project at this time.</p> <p>Given the possible groundwater contamination within the ROW at the southwest corner of the site, this listing is assigned a risk rating of Medium.</p>
8	Former Railroad Tracks No address	NA	Within proposed ROW	Petroleum, herbicides	Medium	<p>This facility (PD&amp;E Site W203R-5) was identified as a former railroad track located within the ROW in the PD&amp;E CSER dated December 2010 (Revised March 2011), and was assigned a risk rating of High. See site location in <b>CSER Appendix A, Sheet A-4</b>. During the historical aerial photography review, a former railroad corridor intersects the proposed ROW at the south end of the project corridor between Old Bartow Eagle Lake Road and US 17. The location is presented in <b>CSER-Appendix A</b>. Currently the railroad corridor is not in operation, and no evidence of tracks remain. Railroads historically used arsenic based herbicides for vegetation and weed control along its corridors. Additionally, the use of petroleum and creosote based compounds were used to preserve railroad ties. Based on its onsite location and possible soil and/or groundwater impacts, the site is given a risk rating of Medium.</p>
9	Bartow Auto Salvage 3450 US 17, Bartow	Hazardous Materials FLR000177469	Adjacent south	Petroleum, automotive fluids	Low	<p>See site location in <b>CSER Appendix A, Sheet A-4</b>. During the site reconnaissance, this facility was observed as Scrap It III, an auto salvage yard. According to information found on FDEP’s MapDirect database, this facility is a registered CESQG with no unresolved code violations, enforcements, or other contamination concerns reported. Given the lack of reported contamination concerns, this facility is assigned a risk rating of Low.</p>
10	Christina’s Market 3470 US 17, Bartow	8623579	Adjacent south	Petroleum	Low	<p>See site location in <b>CSER Appendix A, Sheet A-4</b>. During the site reconnaissance, this facility was observed as Lizzy’s Supermarket. According to information found on the OCULUS database, this facility formerly maintained two 8,000-gallon unleaded gasoline USTs, removed in 1992. Petroleum discharges were reported on January 27, 1989 and October 19, 1991. Cleanup was combined and the discharges were issued an SRCO on July 10, 2008. Given the lack of current contamination concerns, this facility is assigned a risk rating of Low.</p>

11	<b>Former Old Florida Plantation Property/Former Phosphate Mine (SWFWMD Property)</b> North of Old Bartow Eagle Lake Road, Bartow	NA	Within proposed ROW and adjacent east/west	PAHs, Radium 226, and pH	<b>Medium</b> <p>This facility (PD&amp;E Site W203R-6) was identified as a former phosphate mine located within the ROW in the PD&amp;E CSER dated December 2010 (Revised March 2011), and assigned a risk rating of Medium. See site location in <b>CSER Appendix A, Sheets A-3 and A-4</b>. PD&amp;E recommendations included soil and groundwater sampling for pH, Radium 226, and polynuclear aromatic hydrocarbons (PAHs). During the site reconnaissance, this site was observed as open pasture and ponds. During the review of historical aerial photography and topographic maps, mining activities spanning approximately 2 miles of the southern portion of the project corridor were evident within and adjacent to proposed ROW at least since the 1960s. One 2-inch diameter piezometer (presumably) within steel protective casing was observed approximately 20 feet east of the ROW. This piezometer does not appear to be related to any known contamination issues. The impacted area and piezometer locations are illustrated in <b>CSER Appendix A</b>. Contamination related regulatory files were not identified for this facility.</p> <p>According to the FDEP’s “Phosphate” website, large draglines are used to conduct the mining. It scoops up the top 15 to 30 feet of earth, known as overburden, and dumps it in spoil piles to the side of the mine pit. The dragline then digs out the ore-bearing layer (known as the matrix), which consists of about equal parts phosphate rock, clay and sand. Matrix material is then dumped in a pit where high-pressure water guns create a slurry that can then be pumped to the beneficiation plant, which can be several miles away. At the beneficiation plant, the phosphate is separated from the sand and clay. The phosphate is sent by rail to a separate chemical processing plant where it is processed for use in fertilizer and other products. The chemical processing is done at separate facilities that are not regulated by the FDEP Mining and Mitigation Program. After going through beneficiation, the clay is pumped through pipelines into large impoundment areas, known as clay settling areas, where they will remain. The sand is pumped through pipelines back to the mined area and is used in reclamation.</p> <p>According to the Selected Study Area Existing Conditions Analysis Polk County Florida report dated May 2012 (by Florida Institute for Phosphate Research (FIPR)), waste disposal, radioactivity, air and water pollution are considered “special regulatory concerns” with regards to “impact to health.” Since, based on review of historic aerial photographs, no phosphate plant is located within or adjacent to the ROW, plant emissions are not considered a contamination concern. Based on the 1941 aerial photograph, the processing plant may have been located approximately 0.7 miles south of US 17 and the project limits. Phosphogypsum stacks or process water ponds were not identified within or adjacent to the ROW.</p> <p>Currently, Florida Administrative Code requires radiation monitoring (soil radium) at phosphate mining areas both pre and post mining, and after reclamation. The FDEP was contacted on March 26, 2019 for contamination assessment/testing related files for this study area. A response provided on March 27, 2019 by Mrs. Marisa Rhian, FDEP Environmental Administrator, Bartow/Homeland Regional Field Office stated areas adjacent to the ROW “were mined for phosphate prior to June 1, 1975 and are considered “nonmandatory.” Reclamation standards for phosphate mines were established for lands mined after June 1, 1975 per Chapter 378, Florida Statutes.” She further stated inquiries regarding radium/radon testing should be sent to the Florida Department of Health’s (FDOH) Bureau of Radiation Control at 407-297-2096, <a href="mailto:RadiationControl@FLHealth.gov">RadiationControl@FLHealth.gov</a>.</p> <p>In an email response from the FDOH, Bureau of Radiation Control, Brenda Andrews stated “according to our Environmental Radiation Section, we have no data points for the mine referenced below as it was closed long before pre and post mining began.” See email in <b>CSER Appendix F</b>. Based on the USEPA Fact Sheet (no date), “phosphate rocks, which can contain relatively high levels of radium and uranium, are a potential source of exposure.” Radium exposure can be from inhalation and ingestion. It can accumulate in bones and will remain there for a person’s lifetime. In the environment the greatest risk associated with radium is actually posed by its direct decay product radon.</p> <p>Based on Tierra’s Preliminary Roadway Soil Survey Report dated October 23, 2018, a total of 7 piezometers were installed along the project limits in 2013. Depth to groundwater ranged from 4.5 feet below land surface (bls) to 12.5 feet bls in 2013. Mined soils, including Clay Settling Areas ((CSAs) also known as waste phosphatic clay or waste slime) were identified from station 1213 to station 1333, located in the south and central areas of this project at depths ranging from 15 to 80 feet bls.</p> <p>Tierra’s “Letter on Organic Vapor Analyzer (OVA) Screening” dated January 3, 2014 states petroleum odors were noted in Standard Penetration Test (SPT) borings conducted as part of the geotechnical studies performed for the FDOT CPP-1 project (FPID: 431641-1-32-01). See letter in <b>CSER Appendix F</b>. Petroleum odors were noted in soil boring located between Station 1290+00 and 1320+00 (southern portion of the FTE CPP-1; from Old Bartow Eagle Lake Road to approximately 2,900 feet north of Old Bartow Eagle Lake Road) at depths ranging from 8 to 20 feet below grade. OVA screening was performed in June 2013 at a total of 16 boring locations (B1290 to B-1319). Depth intervals screened were at two foot intervals from land surface to 10 feet bls, then at 15 and 20 feet bls (seven OVA samples/boring). OVA readings ranged from 0.0 ppm to 12.3 ppm. The letter concluded that based on OVA results, no further testing appeared to be warranted at that time. However, if odors are detected as the field exploration program continues, soil conditions would be evaluated if warranted.</p> <p>No information was reviewed that would warrant a change to the risk rating assigned during the PD&amp;E. Therefore, this area retains a risk rating of Medium.</p>
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Table 2: Mainline Potential Contamination Sites Summary						
Site Number	Site Name & Address	Facility ID	Approximate Distance From Project	Contaminants of Concern	Risk Rating	Comments
12	Ethylene Dibromide (EDB) Groundwater Contamination Zone #53263425 No address	FDEP Zone ID 53263425	470 feet east	EDB	Low	See site location in <b>CSER Appendix A, Sheet A-4</b> . Based on EDM’s Environmental Impact Areas Map and FDEP MapDirect, an EDB plume is located approximately 470 feet east of proposed ROW. See impacted areas in <b>CSER Appendix A</b> and a copy of the FDEP MapDirect area in <b>CSER Appendix F</b> . According to information obtained from the FDEP Delineation database ( <a href="http://www.dep.state.fl.us/water/groundwater/delineate.htm">http://www.dep.state.fl.us/water/groundwater/delineate.htm</a> ), from 1962 to mid-1983, the Florida Department of Agriculture and Consumer Services conducted widespread field application of a soil fumigant, ethylene dibromide (EDB or Dibromoethane 1,2-), to control nematodes in citrus groves. EDB was also used by private citizens on golf courses and on crops such as peanuts and soybeans. EDB is a carcinogenic compound determined by the U.S. Environmental Protection Agency to have the potential to produce adverse health effects from prolonged consumption. It is a potential threat to public health when present in drinking water. The primary drinking water standard (deferred GCTL) for EDB is 0.02 micrograms per liter (parts per billion). While areas have been delineated based on detection's of solvents and gasoline, EDB has been the primary contaminant identified in delineated areas. The extent of contamination is estimated by the FDEP using a geo-statistical tool called variogram analysis. Where data is incomplete, a 1000-foot protective setback is placed around the contaminated site or well to estimate the extent of the contaminated plume. Additionally, the FDEP has delineated areas of Florida where EDB was historically applied but for which little or no ground water quality data exist. The latest maps produced by the FDEP were approved in 1994. Delineated areas are typically drawn within a 1000-foot setback from a contaminated site or well. Many EDB soil application sites are linear features termed "buffers." Setbacks around contaminated wells or buffers can range from 1000 to 5000 feet based on the distribution and movement of ground water contamination within specific regions or soil types. These setbacks are determined statistically to ensure that contaminated plumes are contained within calculated distances. Contaminated wells within 2000 feet of one another commonly result in overlapping delineated areas. Implementation of the delineation rule has been a cooperative effort among the DEP, the Department of Health, and the water management districts. The Department of Health is responsible for the collection and testing of water samples. Based on the separation distance from the project, setback distances used to generate the zone map, and depths of potential contamination impacts presumed to be below anticipated construction depths, this zone is assigned a risk rating of Low.
13	Hampton Ranch Property Northeast of Thornhill Road	NA	30 feet west	Petroleum	Medium	This facility (PD&E Site W206-2) was identified as a cattle ranch (520 acres) with petroleum storage tanks located within the ROW in the PD&E CSER dated December 2010 (Revised March 2011), and was assigned a risk rating of Medium. See site location in <b>CSER Appendix A, Sheet A-3</b> . The PD&E CSER stated an AST containment area with two 1,000-gallon diesel ASTs was observed within the alignment during the site visit. They were described as “rusted, but otherwise appeared to be in adequate condition.” Although no stained soil or evidence of a discharge was noted outside of the containment, stains were noted within the containment. Based on the current alignment/ROW the AST containment area is located approximately 30 feet west of the ROW. Based on the 2018 Google Earth aerial photograph, the AST containment area remains present. Additionally, the PD&E noted an irrigation well with a diesel-powered pump located in the “northern portion of the site.” No map, sketch or coordinates were provided, and the location was unable to be determined using aerial photographs. Diesel fuel was stored in a 55-gallon drum situated on a wooden pallet. Reportedly, “No significant soil staining or vegetation damage was at the drum or pump engine.” Since access was not permitted for this facility, no site reconnaissance was conducted in March 2019. No regulatory files were identified for this facility. Based on a distance of 30 feet, this facility is assigned a risk rating of Medium.
14	Bridge No. 160265 No address	Bridge No. 160265	Within proposed ROW	Asbestos, lead-based paint	Medium	Bridge No. 160265 was identified during the desktop review/field reconnaissance and is not listed in the EDM report. Its location is shown in <b>CSER Appendix A, Sheet A-2</b> . Bridges are a potential source for hazardous materials including asbestos containing materials (ACMs) and Lead-based paints (LBPs). Regulated levels of ACMs and LBPs would require special handling procedures and abatement if the bridge is renovated or demolished. Therefore, ACM and LBP surveys must be performed prior to the construction phase. FTE has indicated that no previous ACM or LBP surveys are available for this bridge. A risk rating of Medium is assigned.
15	Bridge No. 160266 No address	Bridge No. 160266	Within proposed ROW	Asbestos, lead-based paint	Medium	Bridge No. 160266 was identified during the desktop review/field reconnaissance and is not listed in the EDM report. Its location is shown in <b>CSER Appendix A, Sheet A-2</b> . Bridges are a potential source for hazardous materials including ACMs and LBPs. Regulated levels of ACMs and LBPs would require special handling procedures and abatement if the bridge is renovated or demolished. Therefore, ACM and LBP surveys must be performed prior to the construction phase. FTE has indicated that no previous ACM or LBP surveys are available for this bridge. A risk rating of Medium is assigned.

Table 2: Mainline Potential Contamination Sites Summary						
Site Number	Site Name & Address	Facility ID	Approximate Distance From Project	Contaminants of Concern	Risk Rating	Comments
16	Bridge No. 160267 No address	Bridge No. 160267	Within proposed ROW	Asbestos, lead-based paint	Low	Bridge No. 160267 was identified during the desktop review/field reconnaissance and is not listed in the EDM report. Its location is shown in <b>CSER Appendix A, Sheet A-2</b> . A copy of the Asbestos Survey, LBP Survey, Limited Toxicity Characteristic Leaching Procedure (TCLP) Sampling, and Paint Screening Survey report dated January 2016 (provided by the FTE DCIC) for this bridge was reviewed. Forty-two samples of suspect ACM materials were collected during the survey. Results of the asbestos survey indicated that none of the materials sampled during the survey were identified as ACM (more than 1% asbestos detected). The LBP inspection was conducted using an X-ray Fluorescence (XRF) spectrometer. The XRF readings were then compared to the U.S. Department of Housing and Urban Development (HUD) and EPA’s regulatory limit of 1.0 mg/cm² as determined by a direct read XRF instrument, or greater than or equal to 0.5% by weight as determined by atomic absorption spectroscopy (AAS). Twenty-two painted surfaces were sampled using the XRF device. No XRF readings indicated lead levels equal to or above the HUD/EPA regulatory limit. Please note that two painted areas not accessible for testing including “white lane designation stripes” and “yellow lane designation stripes” were assumed positive for detectable lead levels. Two TCLP and paint screening samples were collected and sent to an accredited analytical lab. The results were compared to EPA established hazardous waste regulatory levels and were analyzed for total concentrations to determine applicability of OSHA regulations in 29 CFR 1926. Results of the TCLP analysis indicated that no arsenic or cadmium were detected above the reporting limit. Chromium and lead were detected above the reporting limit, but below the EPA limit. As such, the paint material would not be considered a hazardous material for disposal purposes. Results of the paint screening detected chromium, lead, and zinc above the reporting limit. Based on the results of the paint screening, special handling procedures and abatement following current OSHA guidelines is required if the bridge is renovated or demolished. Given the results of the ACM survey, further testing may not be required at this time. A risk rating of Low is assigned.
17	Bridge No. 160268 No address	Bridge No. 160268	Within proposed ROW	Asbestos, lead-based paint	Low	Bridge No. 160268 was identified during the desktop review/field reconnaissance and is not listed in the EDM report. Its location is shown in <b>CSER Appendix A, Sheet A-2</b> . A copy of the Asbestos Survey, LBP Survey, Limited TCLP Sampling, and Paint Screening Survey report dated January 2016 (provided by the FTE DCIC) for this bridge was reviewed. Thirty-six samples of suspect ACM materials were collected during the survey. Results of the asbestos survey indicated that none of the materials sampled during the survey were identified as ACM (more than 1% asbestos detected). The LBP inspection was conducted using an XRF spectrometer. The XRF readings were then compared to the HUD’s and EPA’s regulatory limit of 1.0 mg/cm² as determined by a direct read XRF instrument, or greater than or equal to 0.5% by weight as determined by AAS. Twenty-two painted surfaces were sampled using the XRF device. No XRF readings indicated lead levels equal to or above the HUD/EPA regulatory limit. Please note that two painted areas not accessible for testing including “white lane designation stripes” and “yellow lane designation stripes” were assumed positive for detectable lead levels. Two TCLP and paint screening samples were collected and sent to an accredited analytical lab. The results were compared to EPA established hazardous waste regulatory levels and were analyzed for total concentrations to determine applicability of OSHA regulations in 29 CFR 1926. Results of the TCLP analysis indicated that no arsenic, cadmium, or lead was detected above the reporting limit. Chromium was detected above the reporting limit, but below the EPA limit. As such, the paint material would not be considered a hazardous material for disposal purposes. Results of the paint screening detected chromium, lead, and zinc above the reporting limit. Based on the results of the paint screening, special handling procedures and abatement following current OSHA guidelines is required if the bridge is renovated or demolished. Given the results of the ACM survey, further testing may not be required at this time. A risk rating of Low is assigned.
18	Tampa Electric Company Substation Old Bartow Eagle Lake Road	NA	350 feet east	PCBs	No	See site location in <b>CSER Appendix A, Sheet A-4</b> . During the site reconnaissance, this facility was observed as an electricity substation. No regulatory records were found for this facility. Typical contaminants of concern at electrical substations include Polychlorinated Biphenyls (PCBs). No indications of a discharge were observed. Based on the considerable distance and lack of reported or observed contamination concerns, this facility is assigned a risk rating of No.

## 9.0 Conclusions

Based on this Level I contamination screening evaluation, a total of eighteen potential contamination sites were identified within the project limits. The following table presents a summary of the risk ratings assigned for each potential contamination site/facility:

Risk rating	No. of Sites
No	3
Low	9
Medium	6
High	0

Based on the conclusions of the study and the risk ratings noted above, the following recommendations are made for this project:

Additional information may become available or site-specific conditions may change from the time this report was prepared and should be considered prior to acquiring ROW and/or proceeding with roadway construction.

- For the locations rated “No” for potential contamination, no further action is required. These sites have been evaluated and determined not to have any potential contamination risk to the study area at this time.
- For the locations rated “Low” for potential contamination, no further action is required at this time. These sites/facilities have the potential to impact the study area, but are determined to have low risk to the project at this time. Variables that may change the risk rating include a facility’s non-compliance to environmental regulations, new discharges to the soil or groundwater, and modifications to current permits. Should any of these variables change, additional assessment of the facilities should be considered.
- For the locations with a risk rating of “Medium” Level II field screening should be conducted. It has been determined that Sites 7, 8, 11, 13, 14, and 15 may have potential contaminants that could impact the proposed project. For Sites 7, 8, 11, and 13, a soil and groundwater sampling plan should be developed. The sampling plan should provide sufficient detail as to the number of soil and groundwater samples to be obtained and the specific analytical tests to be performed. A site location sketch for each facility showing all proposed boring locations and groundwater monitoring wells should be prepared. Analytical testing may include the following:
  - Site 7 - Polk County North Central Landfill, laboratory analysis may include arsenic and iron using EPA Method 6010.
  - Site 8 - Former Railroad, laboratory analysis may include herbicides using EPA Method 8151, PAHs using EPA Method 8270, and arsenic using EPA Method 6010.
  - Site 11 – Former Old Florida Plantation Property/Phosphate Mine, laboratory analysis may include Radium 226 by EPA Method 903.1, Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270, Total Petroleum Hydrocarbons (TPH) by FL PRO Method, Volatile Organic Compounds (VOCs) by EPA Method 8260, and pH.
  - Site 13 – Hampton Ranch Property, laboratory analysis may include EPA Method 8260 benzene, toluene, ethylbenzene, xylenes and methyl tertiary-butyl ether (BTEX/MTBE), EPA Method 8270 PAHs, and TRPH using the FLPRO method. For Site 13, Organic Vapor Analyzer (OVA) screening may also be performed.

- For Sites 14 and 15, sampling and laboratory testing for asbestos and Metals-Based Coatings should be performed. Laboratory analysis for asbestos should include Polarized Light Microscopy (PLM) using EPA Method 600/R-93/116. If warranted, Point Count analysis should also be performed using EPA Method 600/R-93/116. Laboratory analysis for MBCs should include arsenic, cadmium, hexavalent chromium, lead, and zinc using EPA Method 6010.

The FDOT District Contamination Impact Coordinator (DCIC) should be consulted regarding the site-specific Level II field screening scope of work.

- Once final design plans are available, additional review is recommended in consideration of dewatering operations that may be necessary under the *National Pollutant Discharge Elimination System Generic Permit for Stormwater Discharges from Large and Small Construction Activities*. Verification testing may be warranted for contamination issues within 500 feet of the dewatering area.

## **CSER APPENDIX A**

### **Project Location and Potential Contamination Sites Maps**



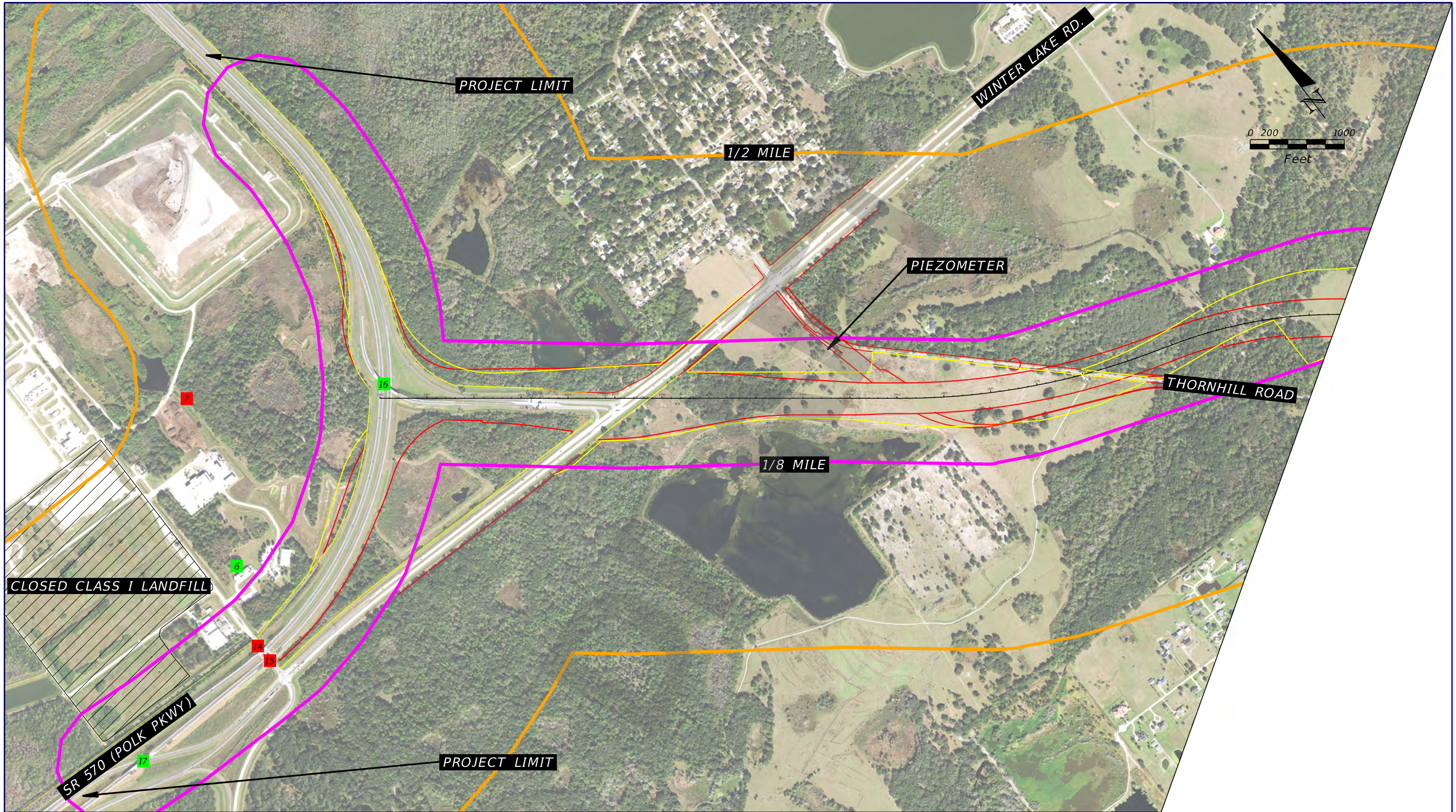


SOURCE: FDOT SURVEY AND MAPPING DATED 2017

PROJECT LOCATION MAP

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  A-1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





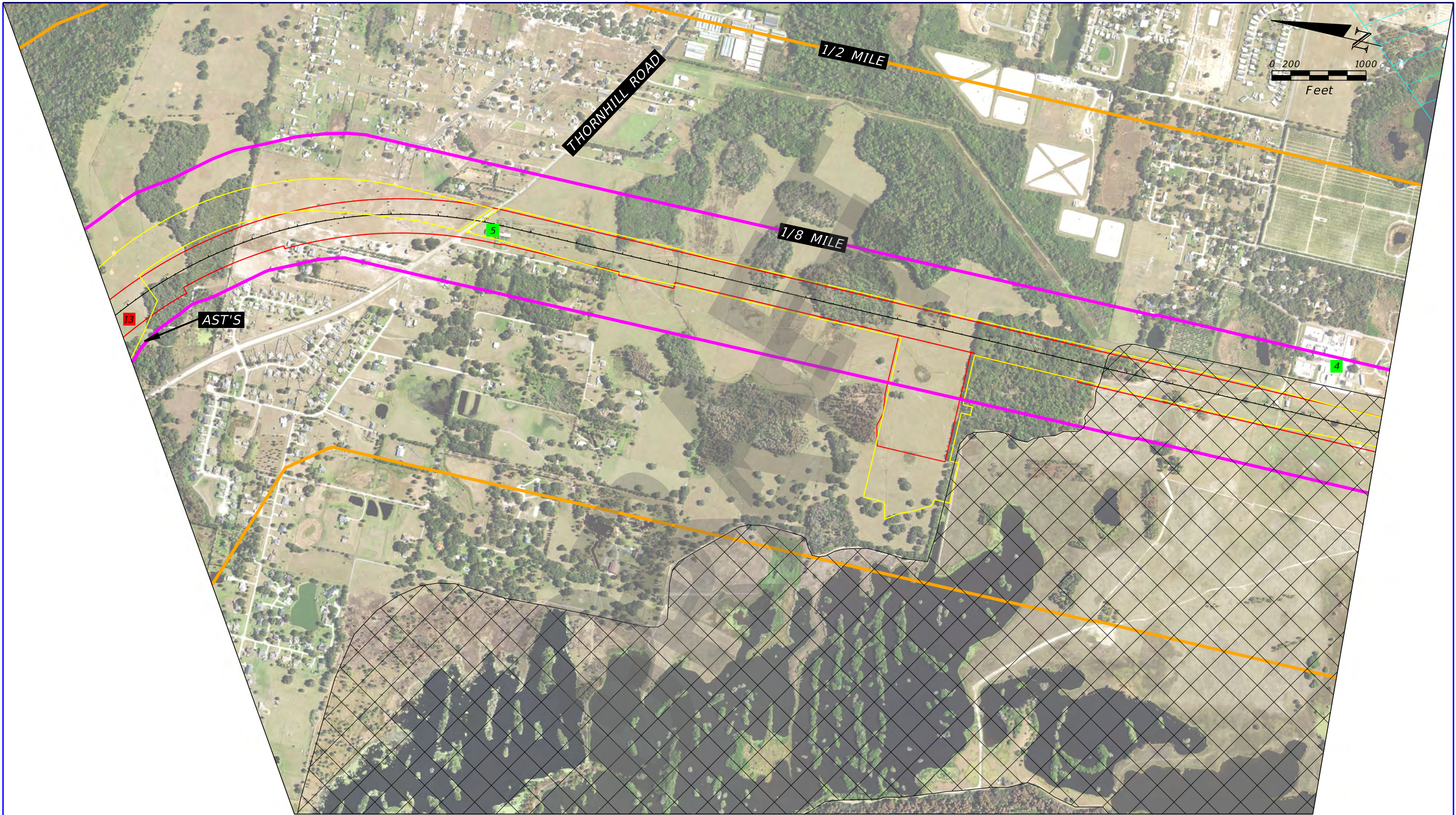
SOURCE: FDOT SURVEY AND MAPPING DATED 2017

POTENTIAL CONTAMINATION SITES

- LIMITED ACCESS RIGHT OF WAY  
— RIGHT OF WAY
- GREEN = NO/LOW RISK SITES  
RED = MEDIUM/HIGH RISK SITES

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  A-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SITE 11 FORMER OLD FLORIDA PLANTATION/MINED LAND - MEDIUM RISK RATING

POTENTIAL CONTAMINATION SITES

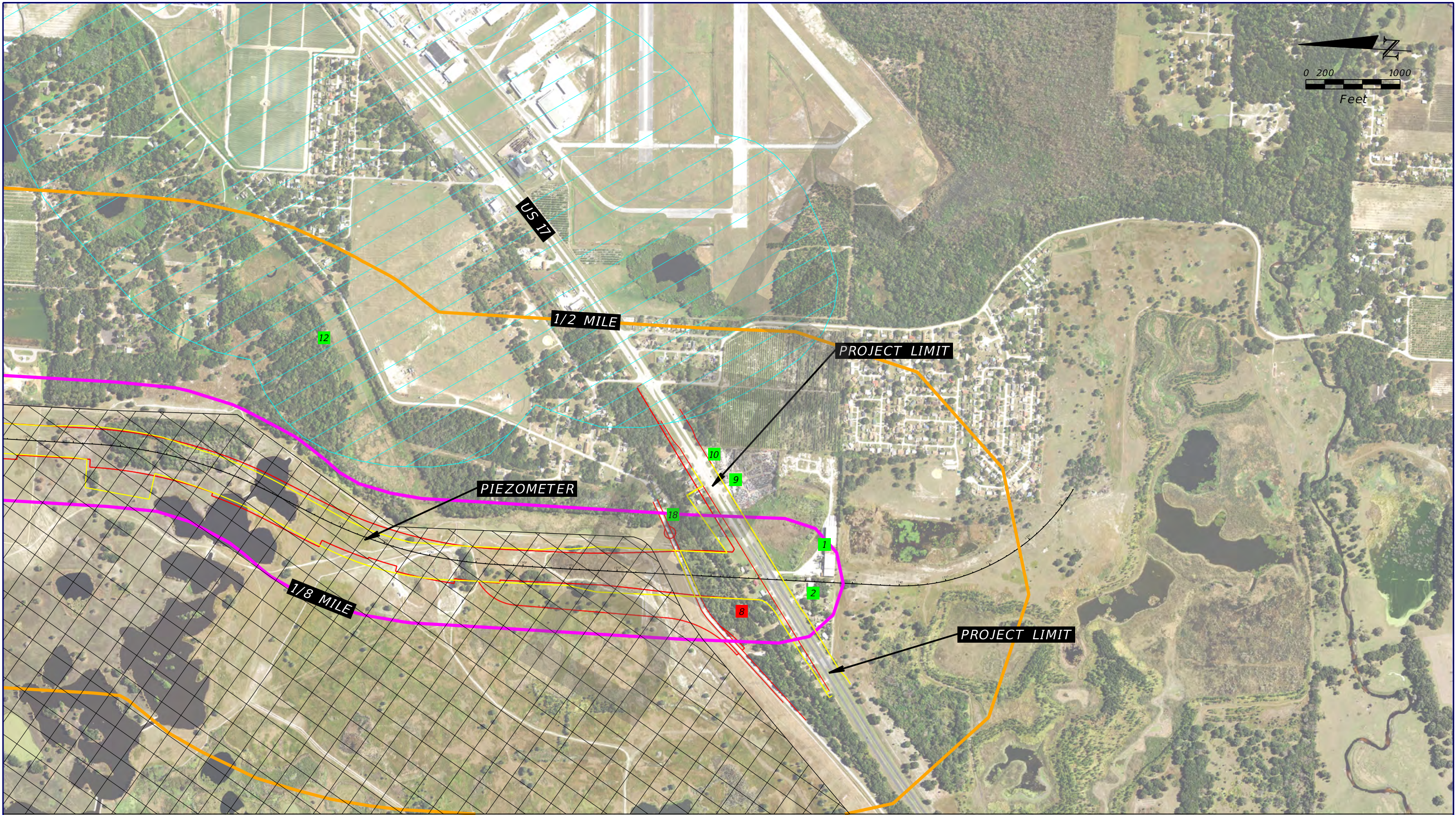
- LIMITED ACCESS RIGHT OF WAY
- RIGHT OF WAY
- GREEN = NO/LOW RISK SITES
- RED = MEDIUM/HIGH RISK SITES

SOURCE: FDOT SURVEY AND MAPPING DATED 2017

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  A-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		

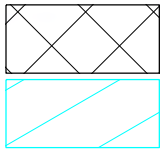
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NOTE: SITE 3 IS NOT SHOWN DUE TO ITS LOCATION BEYOND THE LIMITS OF THIS MAP.

SOURCE: FDOT SURVEY AND MAPPING DATED 2017



SITE 11 FORMER OLD FLORIDA PLANTATION/MINED LAND - MEDIUM RISK RATING

SITE 12 EDB GROUNDWATER PLUME - LOW RISK RATING

POTENTIAL CONTAMINATION SITES

— LIMITED ACCESS RIGHT OF WAY  
— RIGHT OF WAY

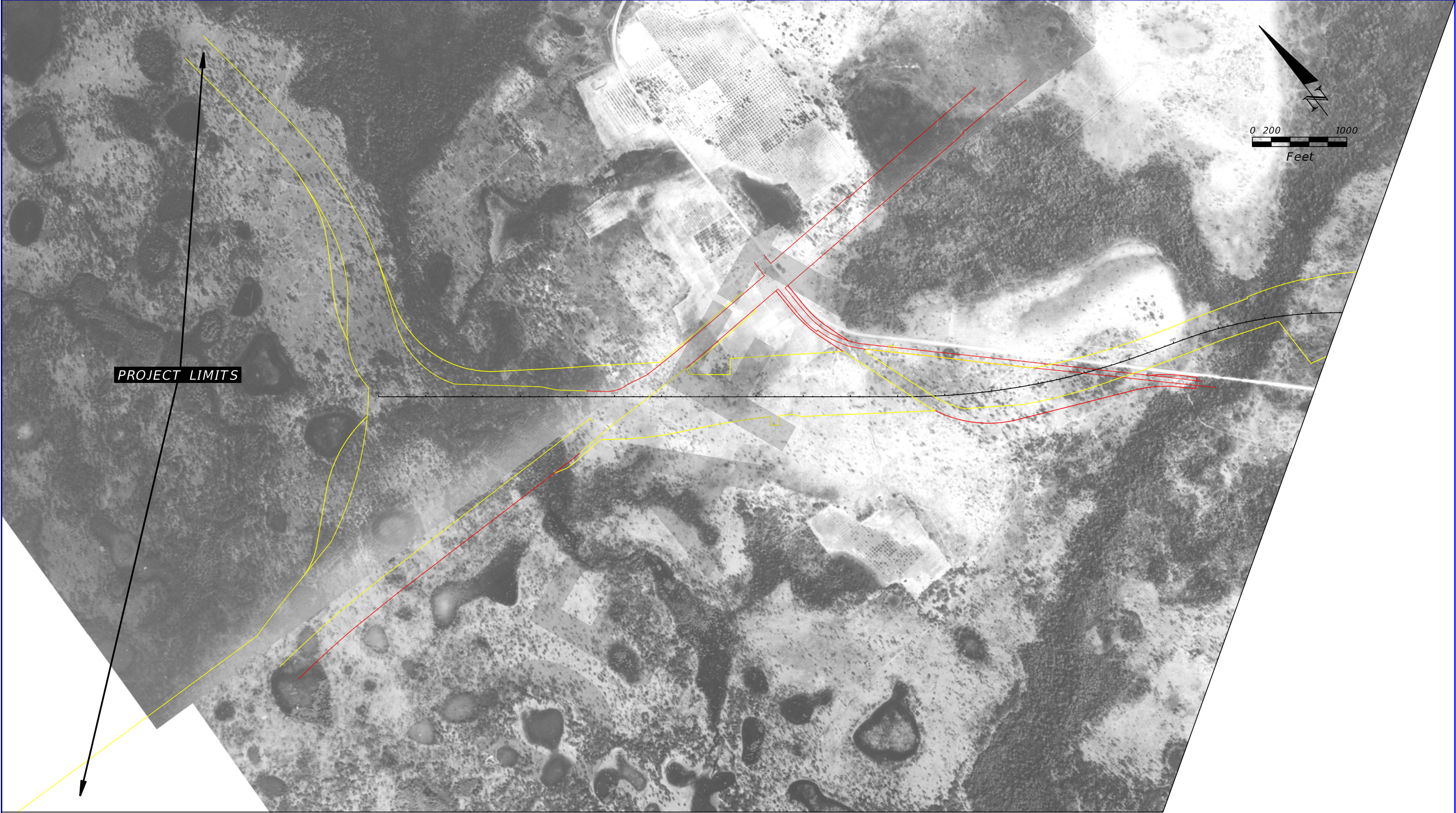
GREEN = NO/LOW RISK SITES  
RED = MEDIUM/HIGH RISK SITES

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  A-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



**CSER APPENDIX B**  
Historical Aerial Photographs



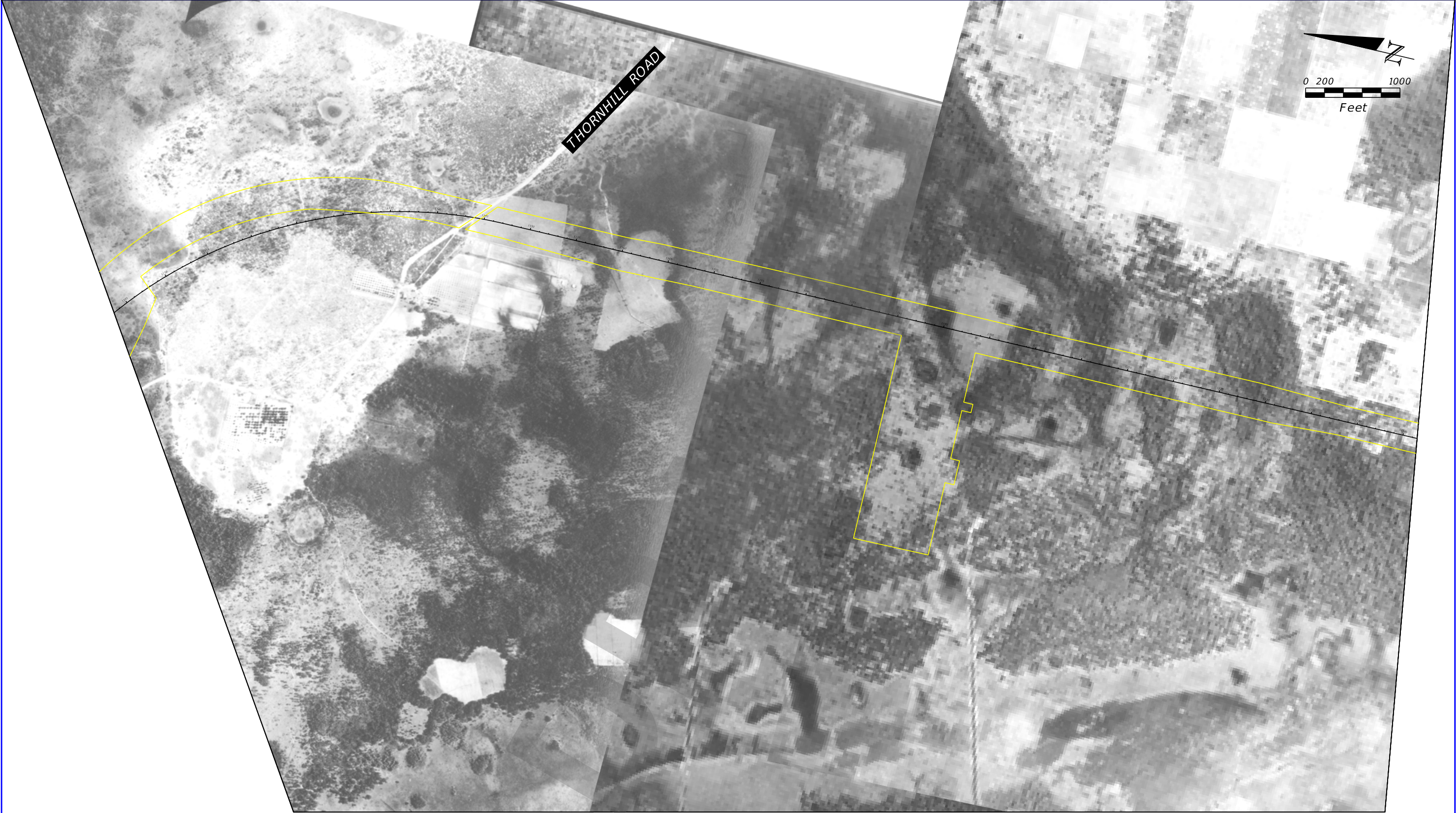


SOURCE: UNIVERSITY OF FLORIDA

1941 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		B-1
			TIERRA PROJECT NO.: 6511-17-181-001E						
					N/A	POLK	440897-2-32-01		



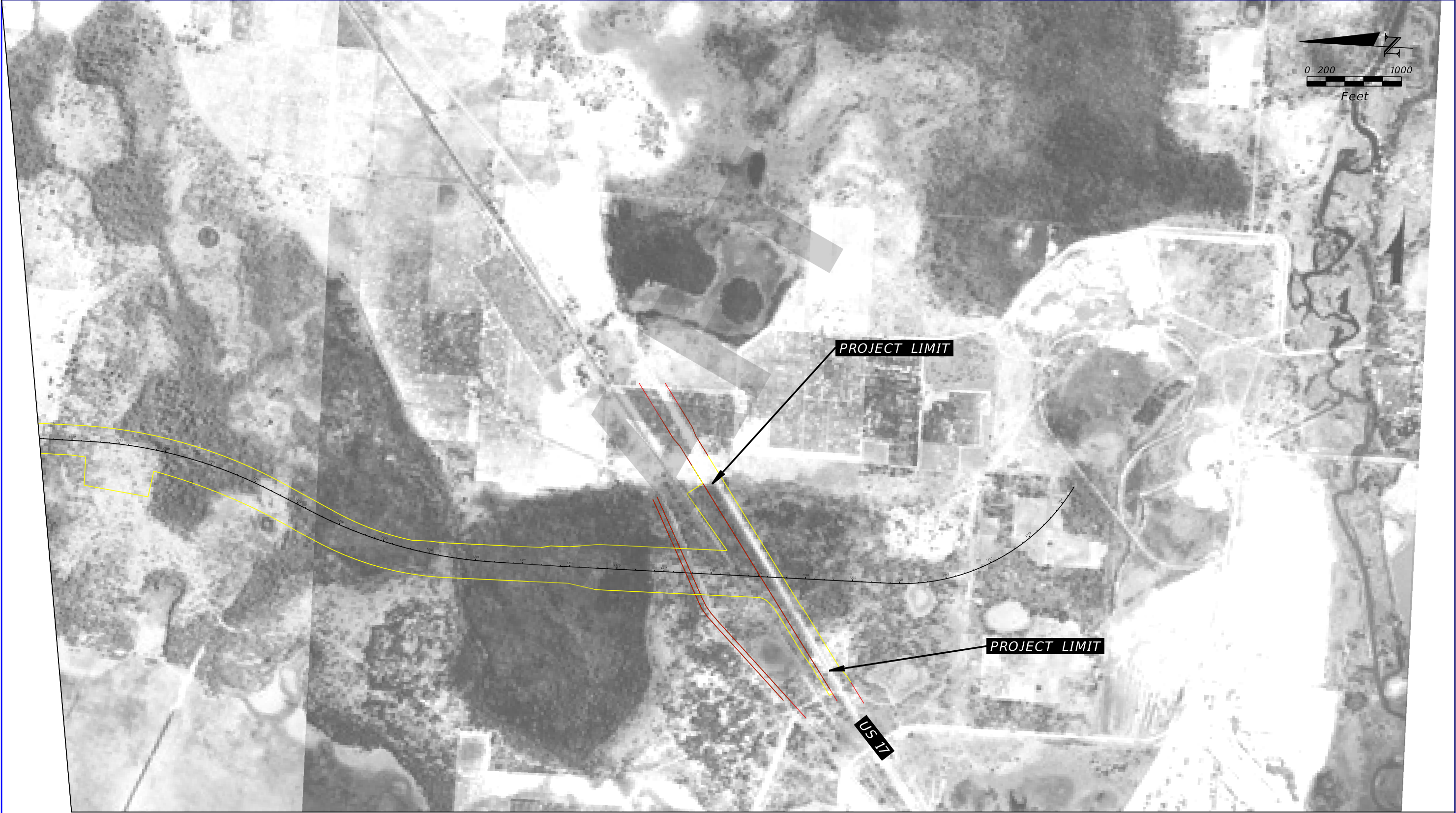


SOURCE: UNIVERSITY OF FLORIDA

1941 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		B-2



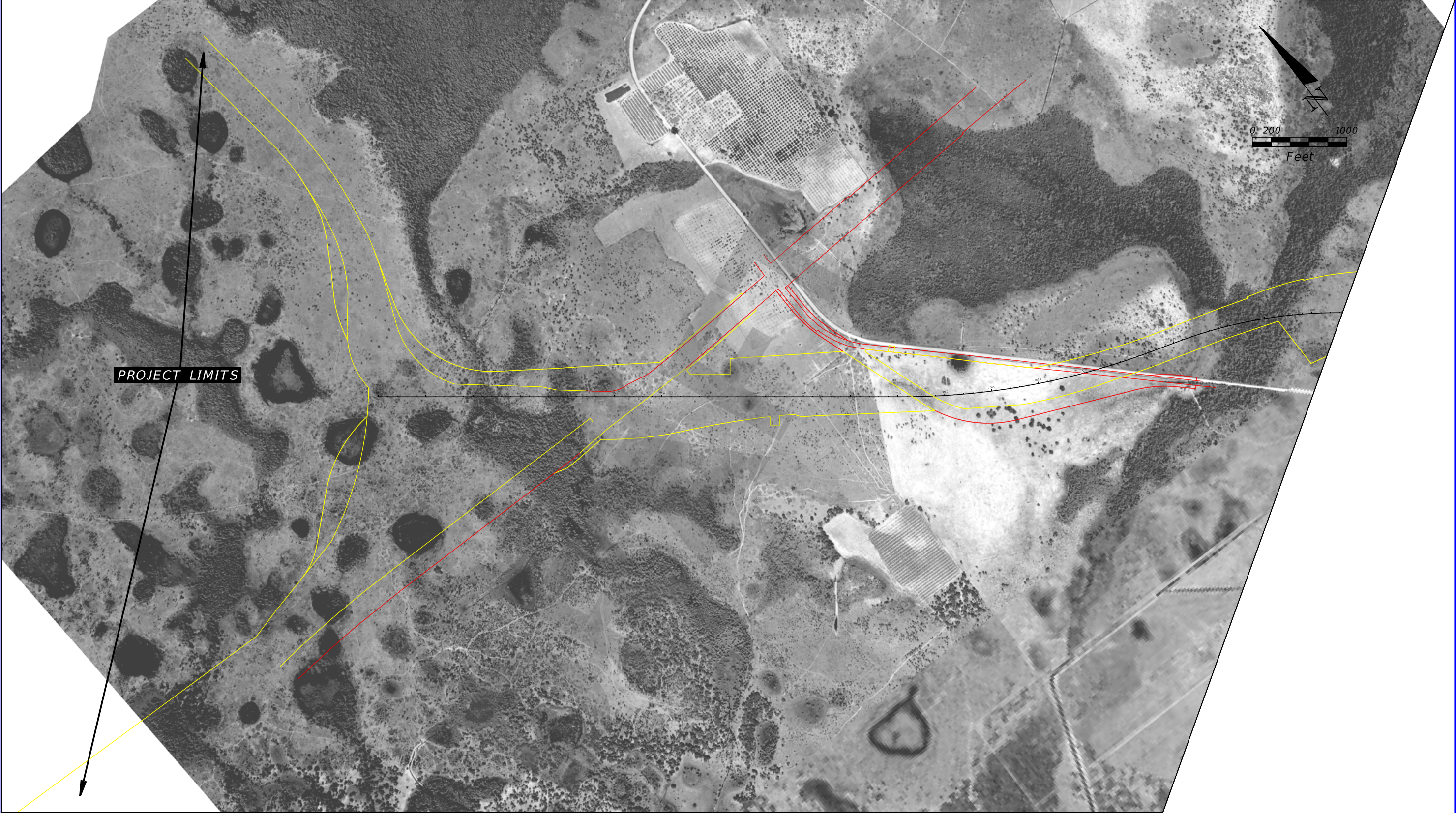


SOURCE: UNIVERSITY OF FLORIDA

1941 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





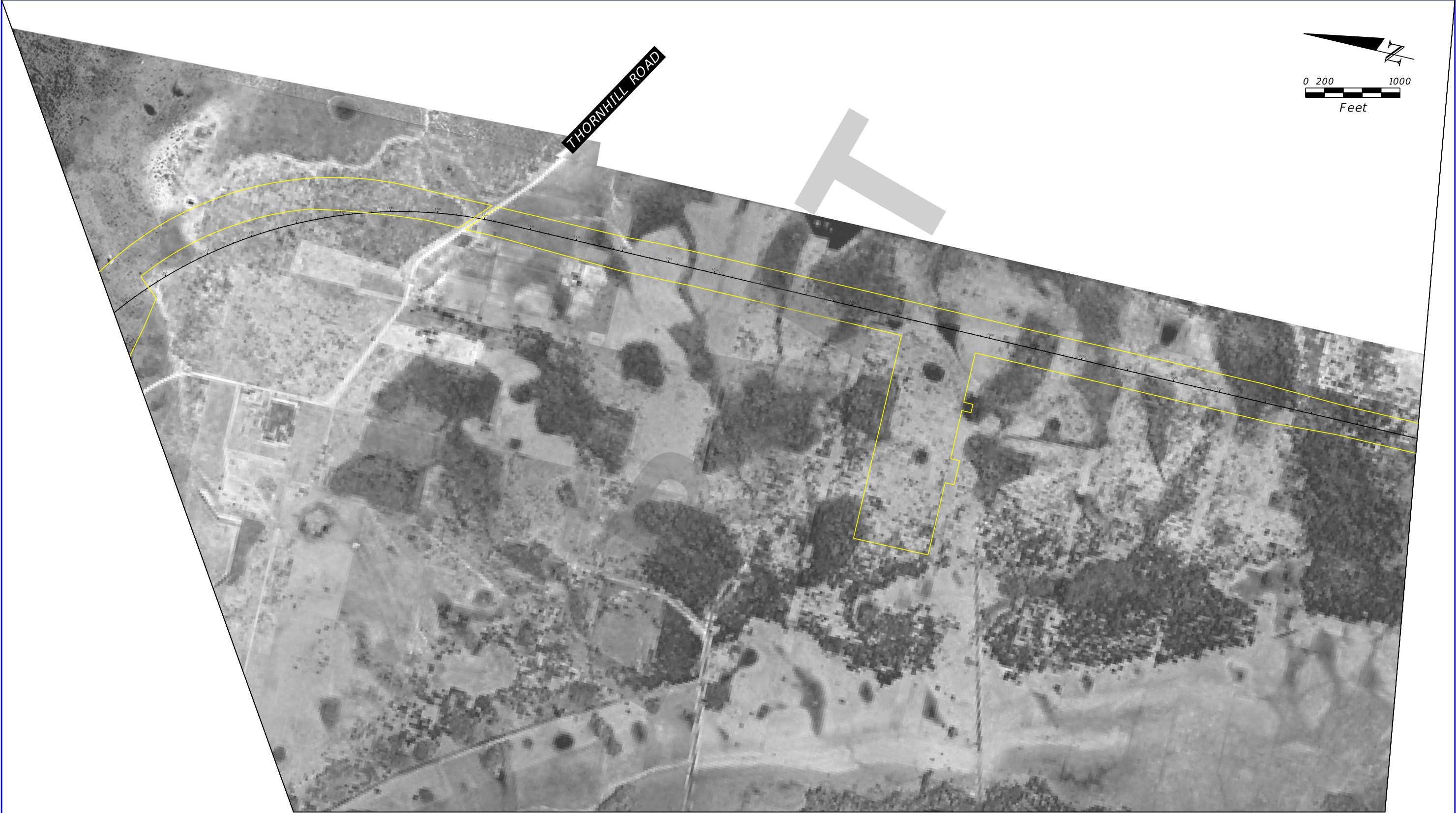
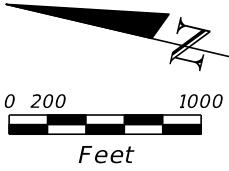
SOURCE: UNIVERSITY OF FLORIDA

1952 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		B-4



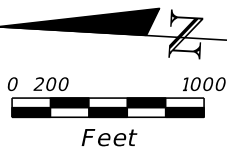
THORNHILL ROAD



SOURCE: UNIVERSITY OF FLORIDA

1952 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01	B-5	



AERIAL PHOTOGRAPH NOT AVAILABLE

PROJECT LIMIT

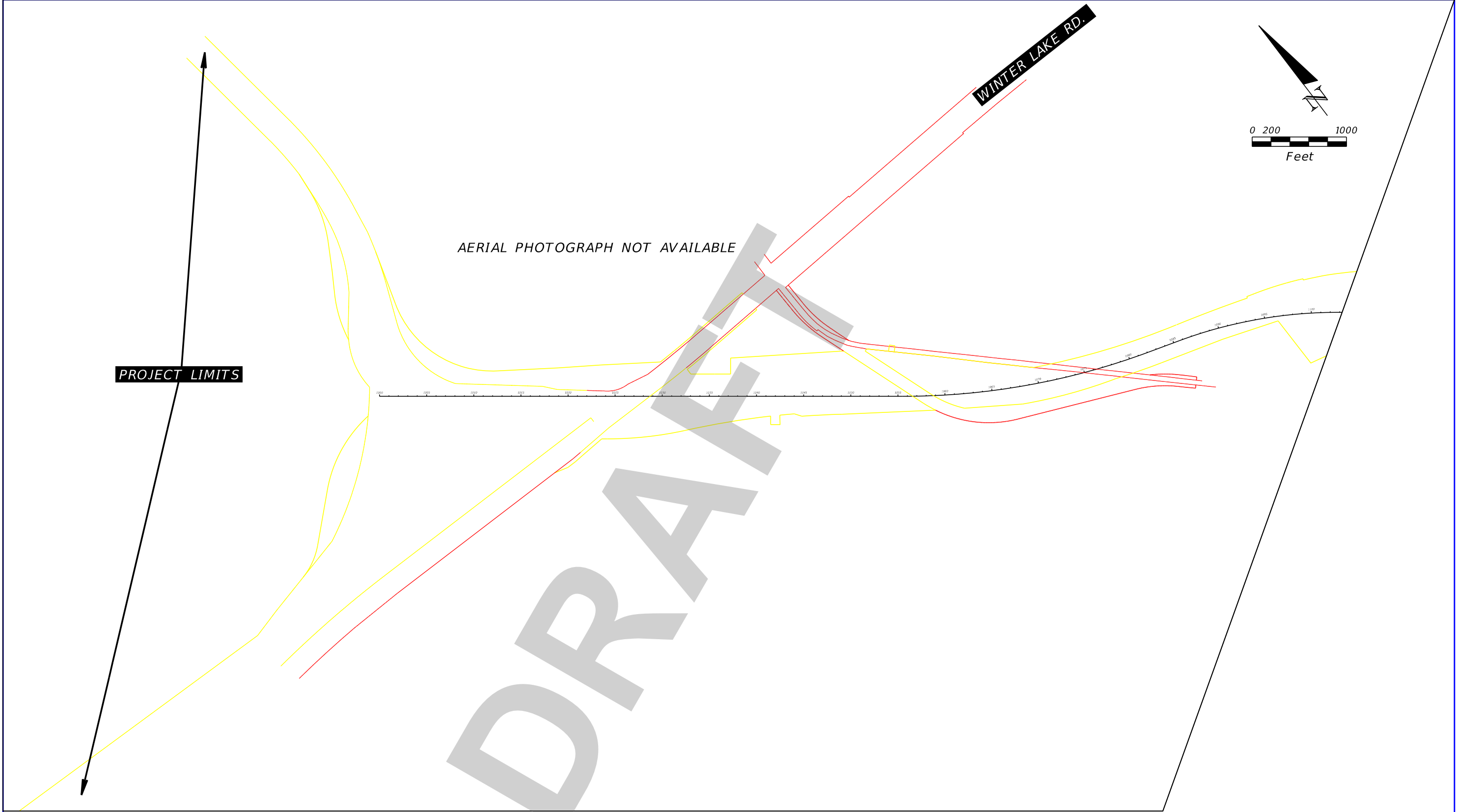
PROJECT LIMIT

US 17

SOURCE: UNIVERSITY OF FLORIDA

1952 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		

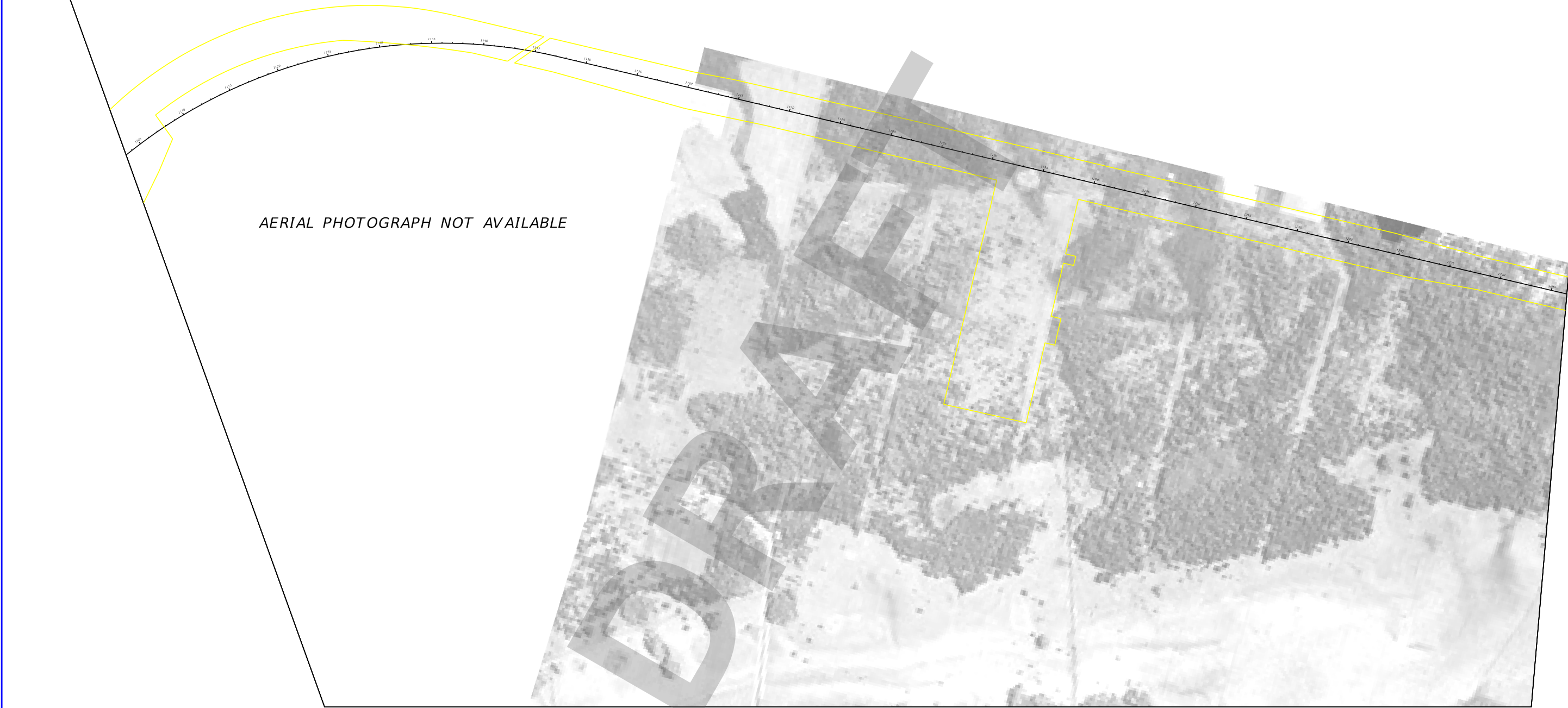
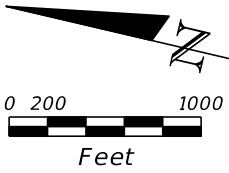


SOURCE: UNIVERSITY OF FLORIDA

1957 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		B-7



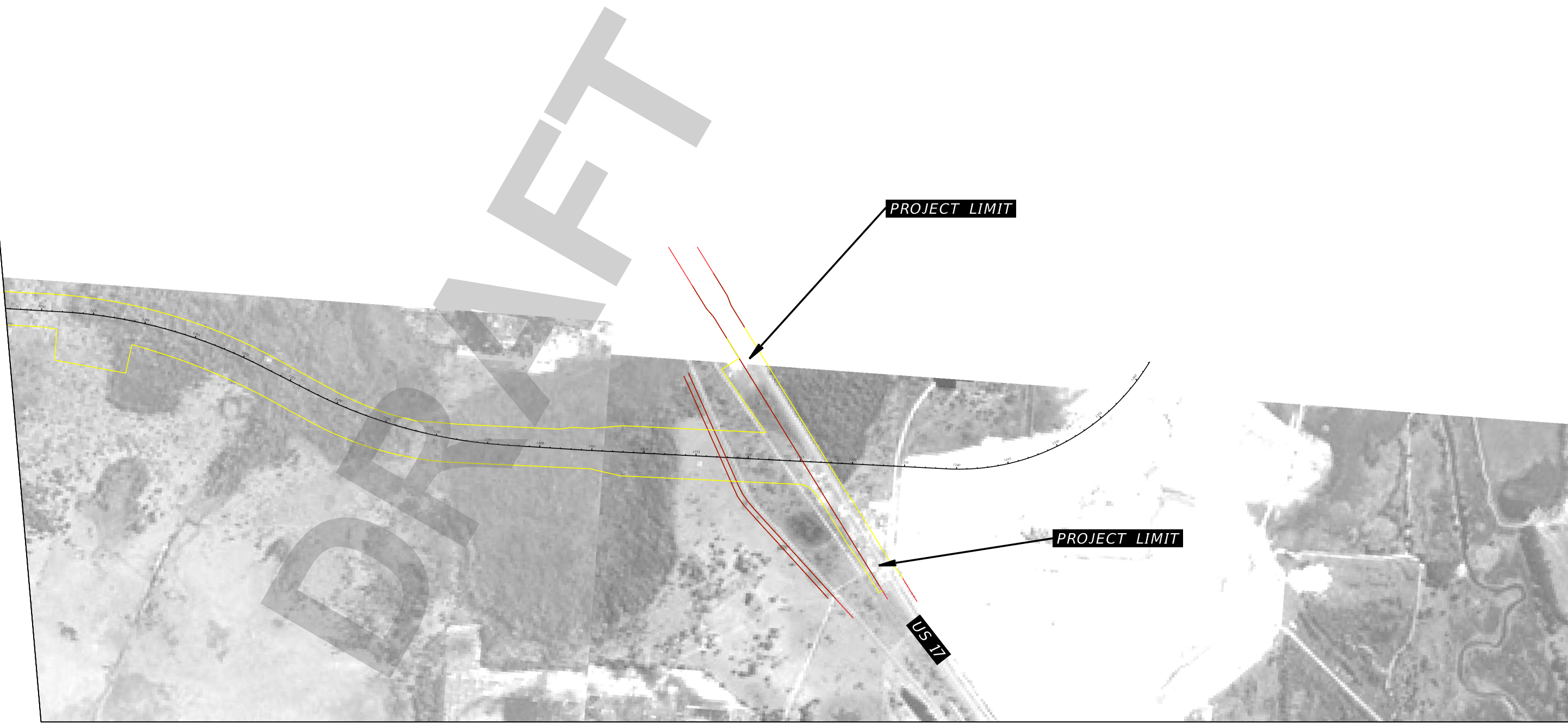
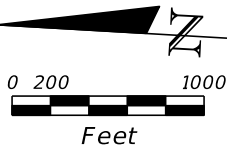


AERIAL PHOTOGRAPH NOT AVAILABLE

SOURCE: UNIVERSITY OF FLORIDA

1957 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		B-8

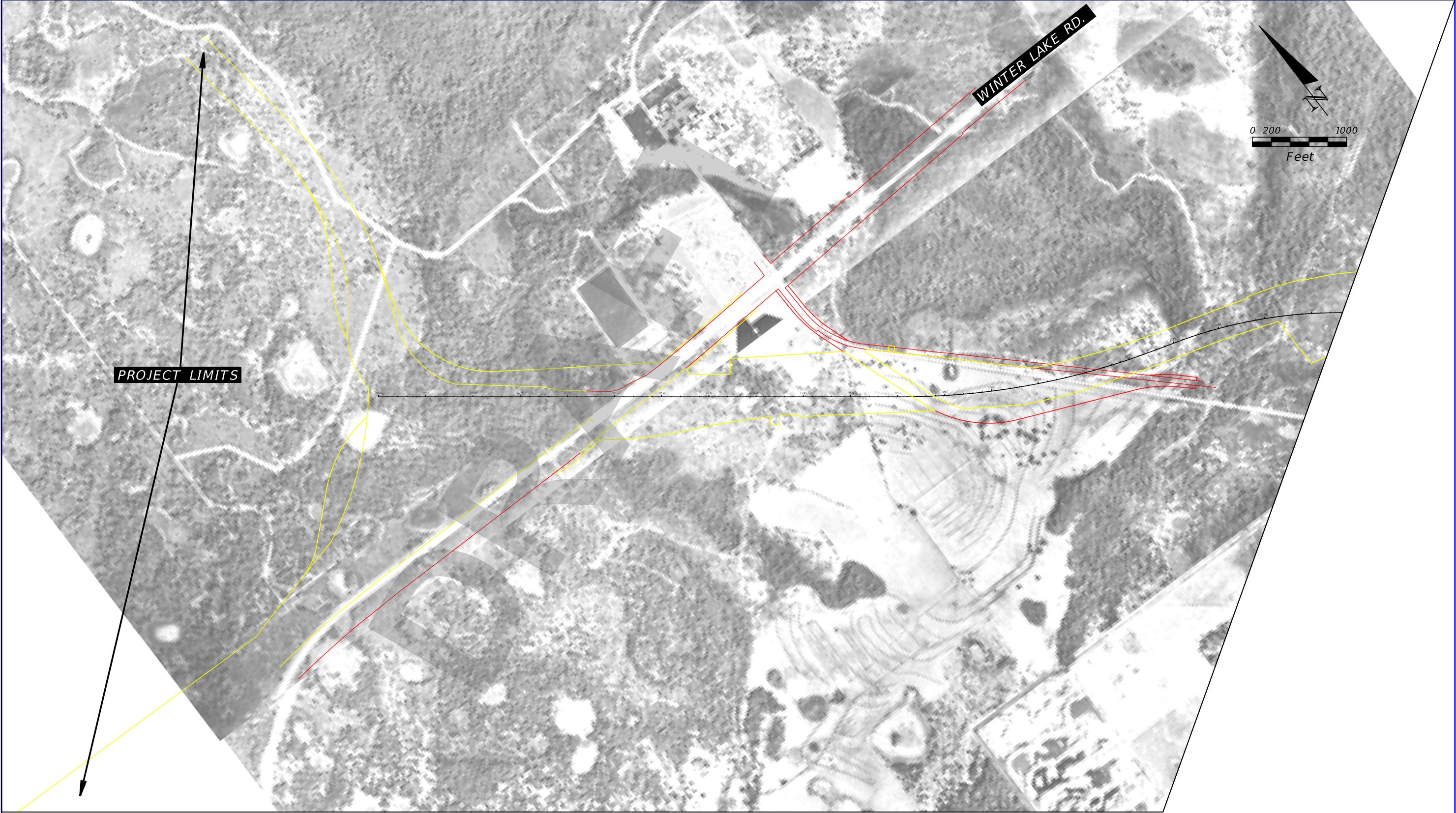


1957 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



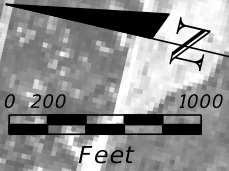


SOURCE: UNIVERSITY OF FLORIDA

1968 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: UNIVERSITY OF FLORIDA

1968 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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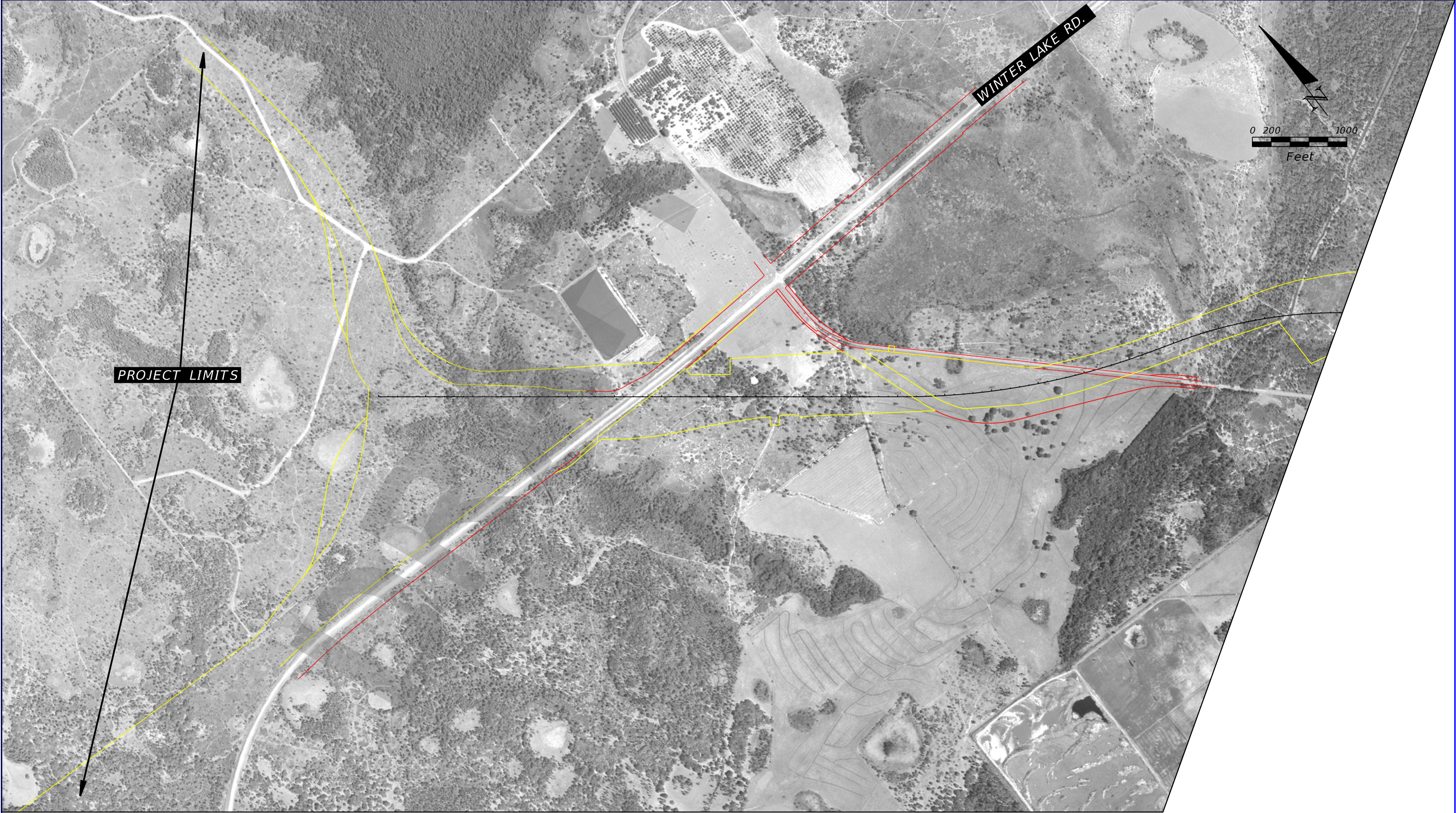


SOURCE: UNIVERSITY OF FLORIDA

1968 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



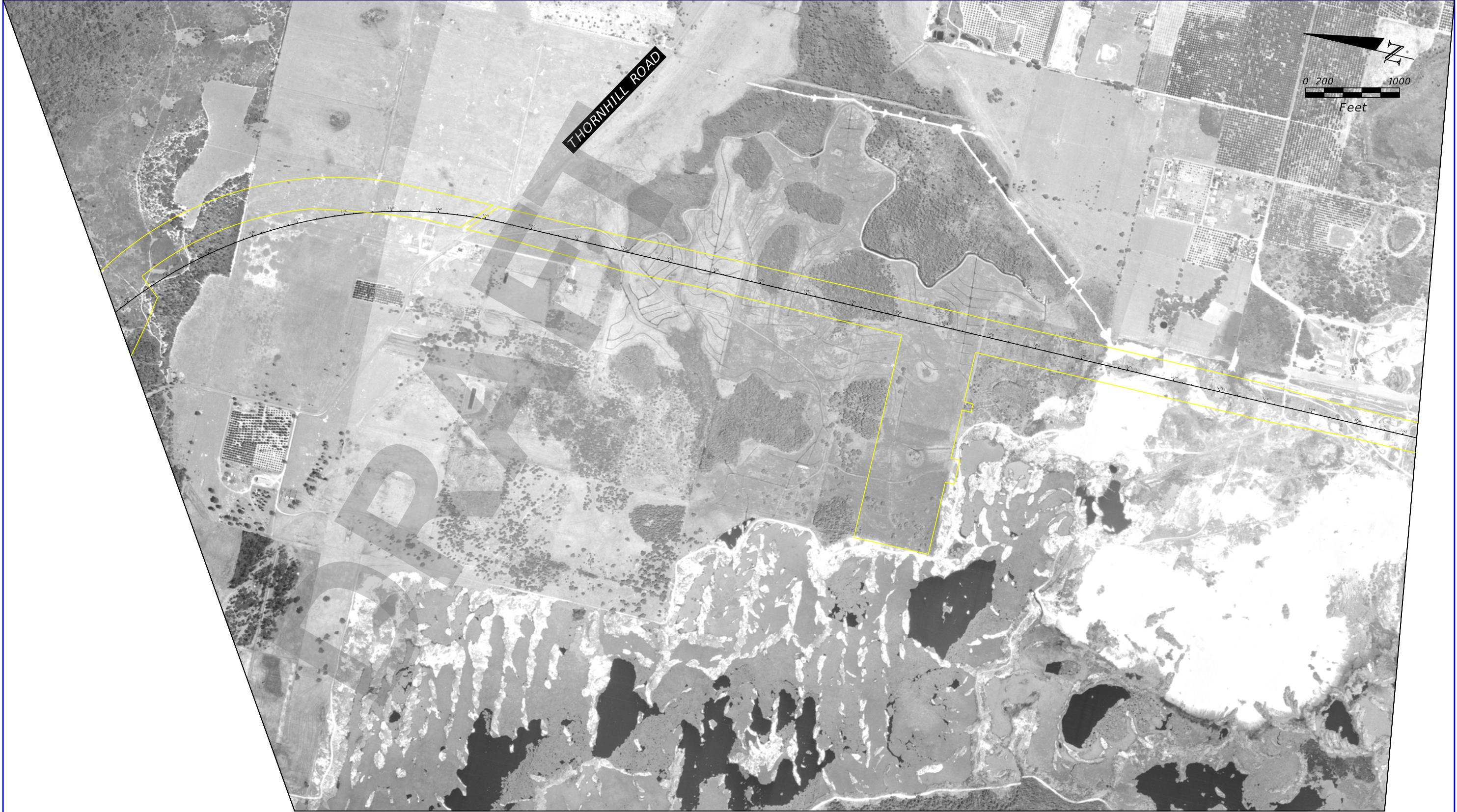


SOURCE: FDOT SURVEY AND MAPPING

1971 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



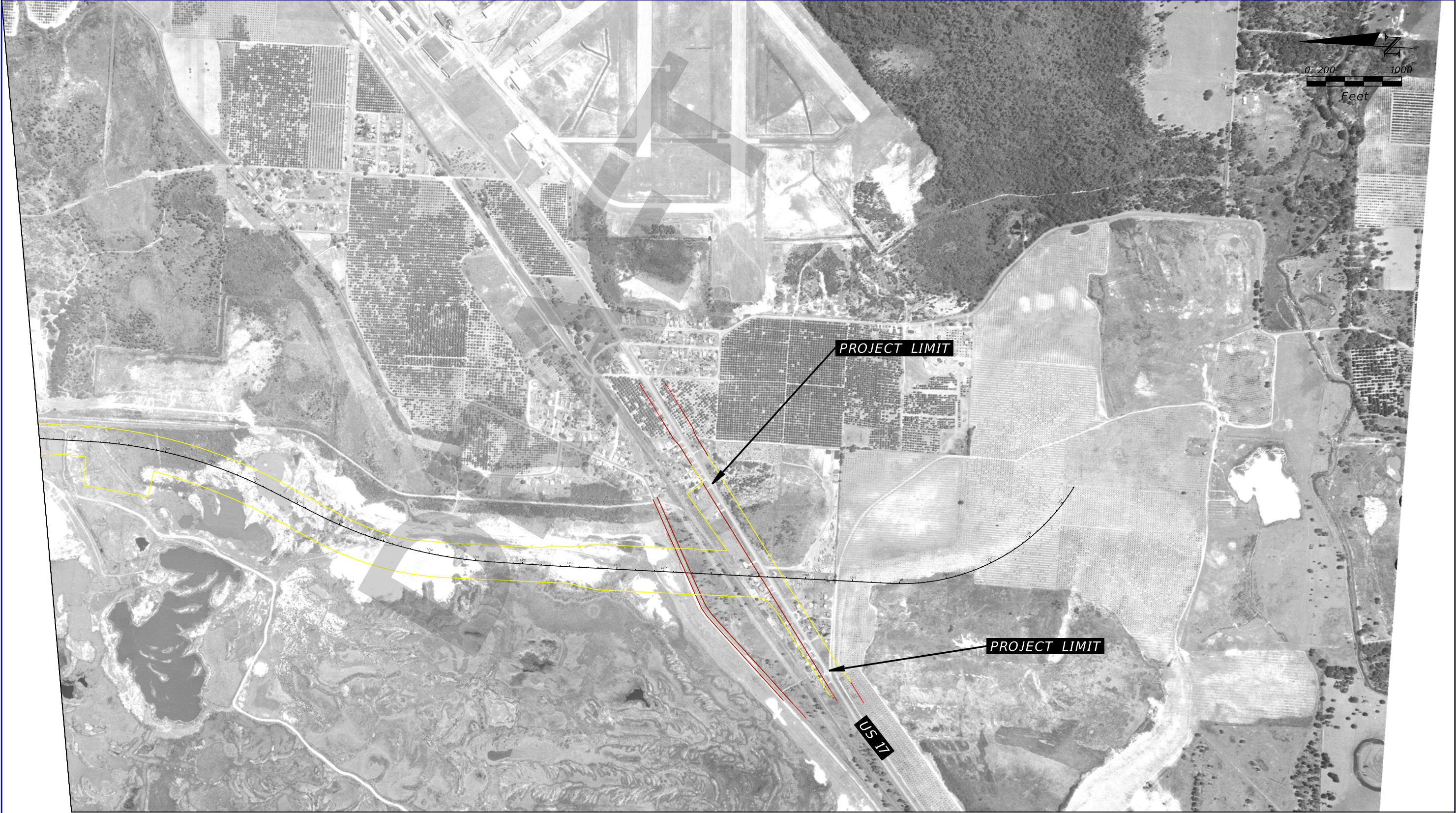


1971 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

1971 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

1980 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

1980 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



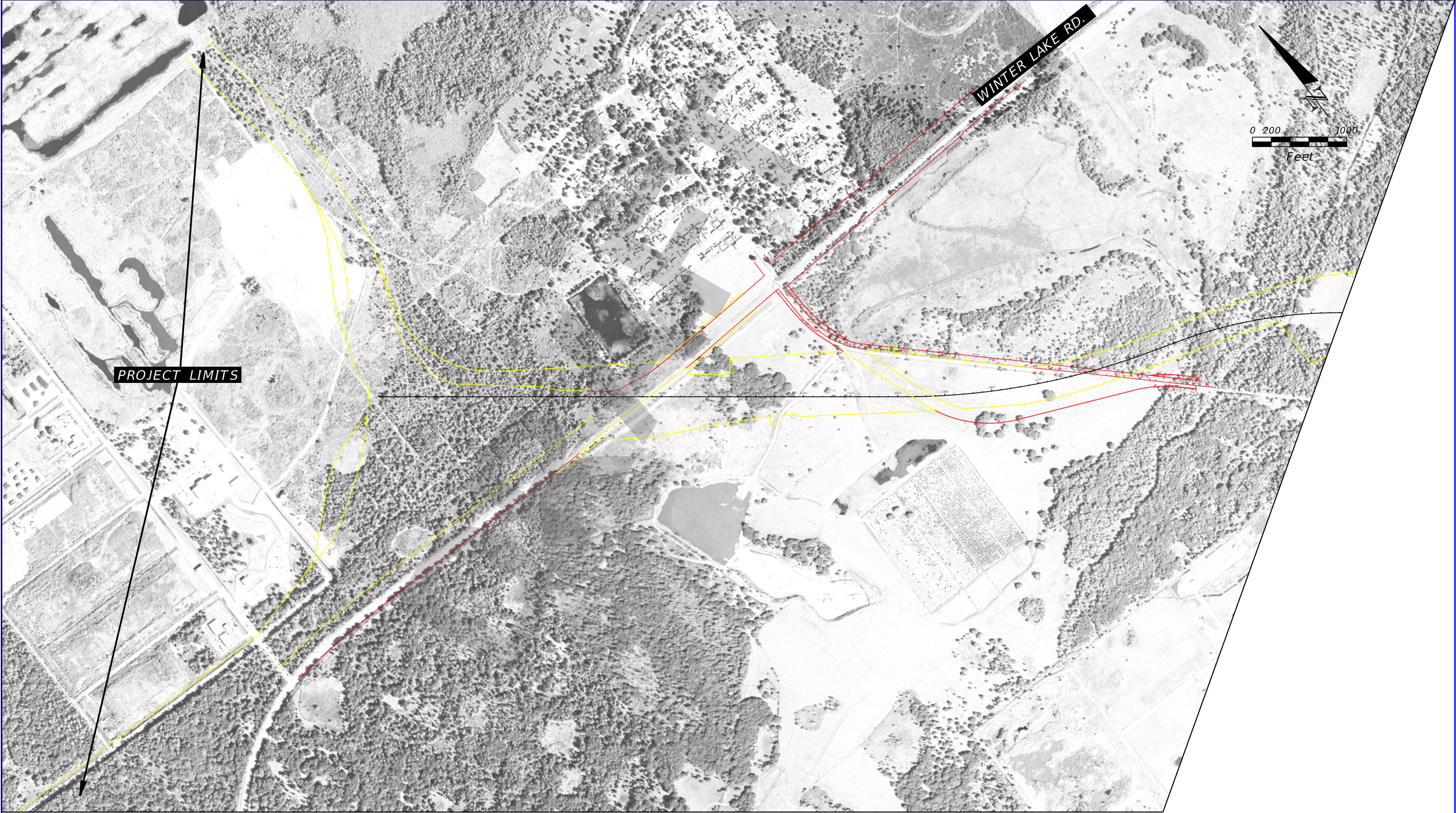


SOURCE: FDOT SURVEY AND MAPPING

1980 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

1993 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



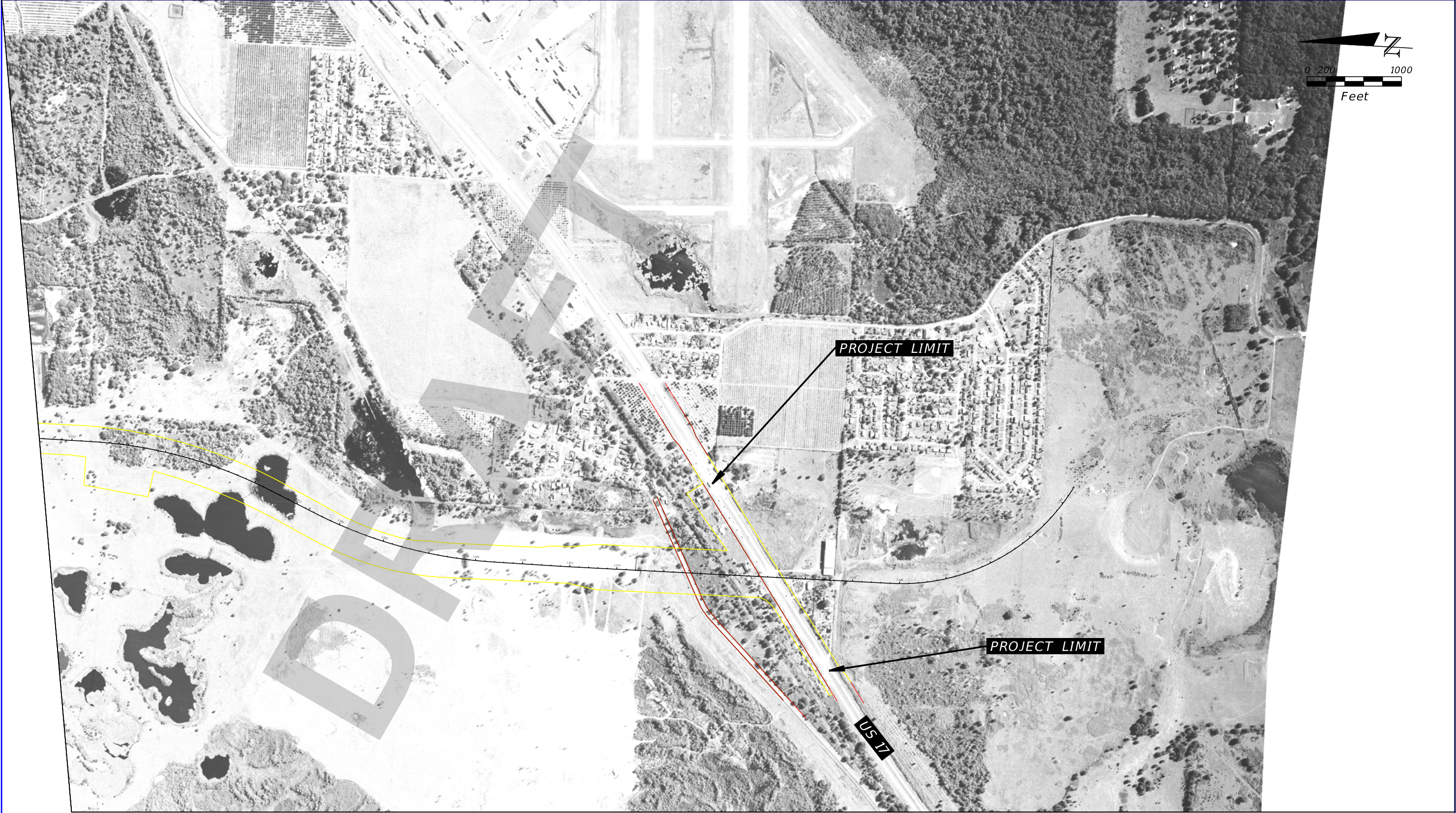


SOURCE: FDOT SURVEY AND MAPPING

1993 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

1993 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		B-21





SOURCE: FDOT SURVEY AND MAPPING

2005 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

2005 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





SOURCE: FDOT SURVEY AND MAPPING

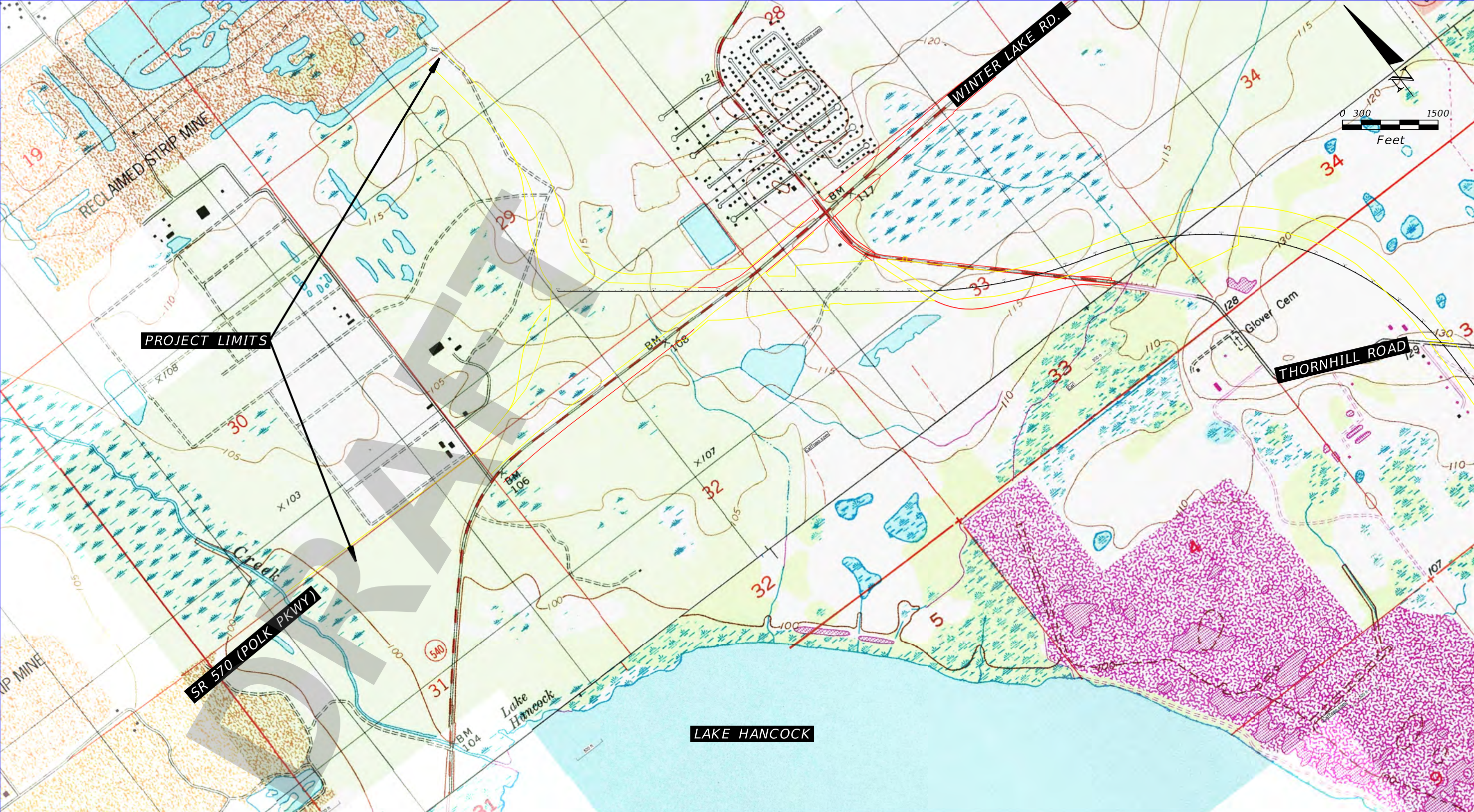
2005 HISTORICAL AERIAL PHOTOGRAPH

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  B-24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



**CSER APPENDIX C**  
USGS Topographic Map



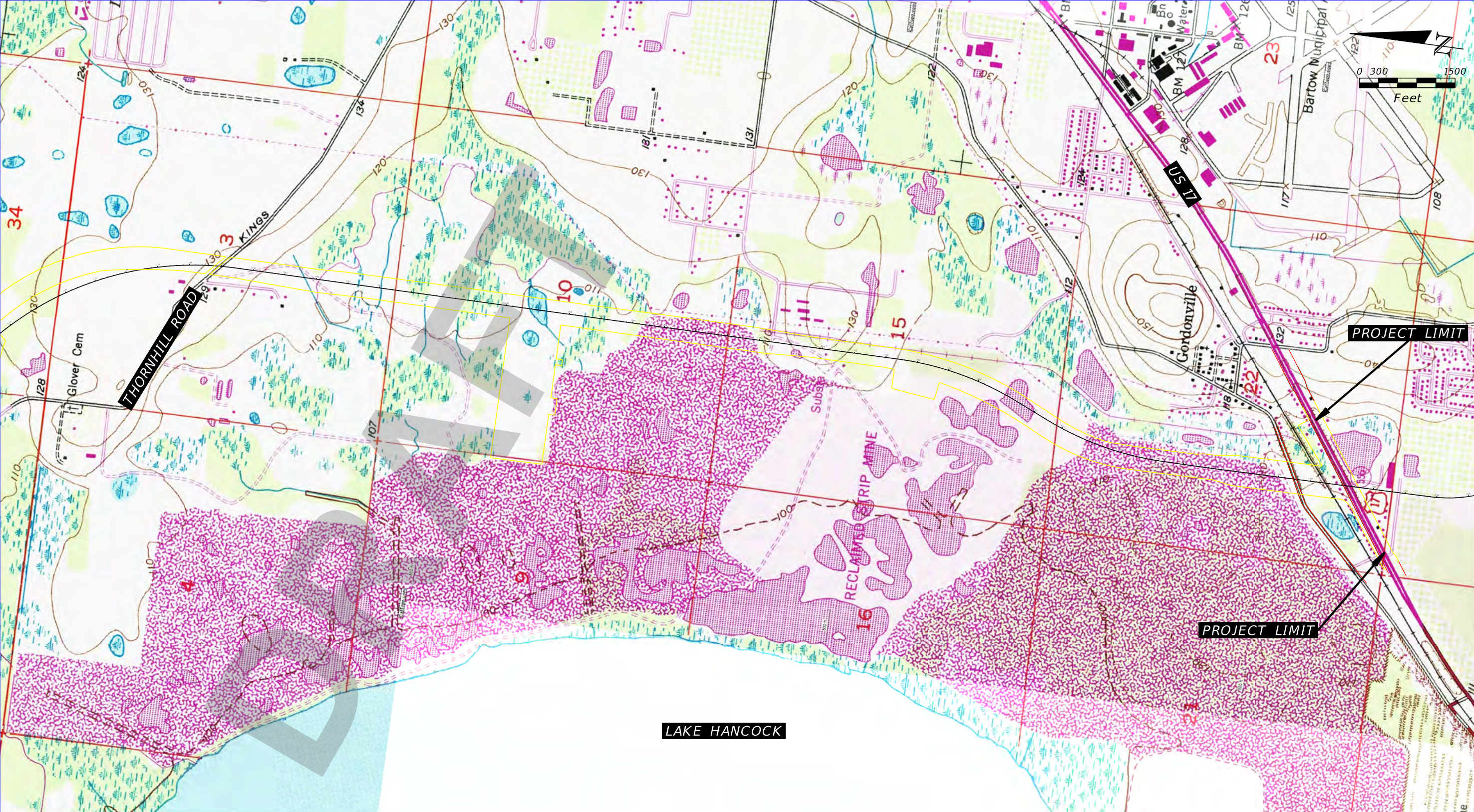


USGS TOPOGRAPHIC MAP

SOURCE: USGS 7.5-MINUTE "BARTOW, FLORIDA" DATED 1949, (PHOTOREVISED 1987)  
SOURCE: USGS 7.5-MINUTE "AUBURNDALE, FLORIDA" DATED 1975, (PHOTOREVISED 1988)

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  C-1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		





USGS TOPOGRAPHIC MAP

SOURCE: USGS 7.5-MINUTE "BARTOW, FLORIDA" DATED 1949, (PHOTOREVISED 1987)  
SOURCE: USGS 7.5-MINUTE "AUBURNDALE, FLORIDA" DATED 1975, (PHOTOREVISED 1988)

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CENTRAL POLK PARKWAY - SEGMENT 1 POLK COUNTY, FLORIDA	SHEET NO.  C-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-17-181-001E		N/A	POLK	440897-2-32-01		



**CSER APPENDIX D**  
Environmental Database Report

# Environmental Data Report

## Custom 1/8 Mile Research

Central Polk Parkway - Segment 1  
SR 570 to US 17  
Polk County, Florida

### Prepared For:

Tierra Inc  
7351 Temple Terrace Hwy  
Tampa, FL 33637

### Prepared By:



Environmental Data Management, Inc.  
2840 West Bay Drive, Suite 208  
Largo, Florida 33770

October 02, 2018





October 02, 2018

Chris Garth  
Tierra Inc  
7351 Temple Terrace Hwy  
Tampa, FL 33637

Subject: **Custom 1/8 Mile Research - EDM Project #24574**

Dear Mr. Garth

Thank you for choosing Environmental Data Management, Inc. The following report provides the results of our environmental data research that you requested for the following location:

**Central Polk Parkway - Segment 1**  
**SR 570 to US 17**  
**Polk County, Florida**

The following is a summary of the components contained within this report:

- **Executive Summary** –lists the databases that were searched for this report, the search distance criteria and the number of sites identified for each database.
- **Map of Study Area**– street map showing the location of the Subject Property and any regulatory listed sites identified within the search criteria.
- **Site Summary Table** –displays the Map ID number, Permit or Registration number, Name/Address and the Government Database(s) for the identified regulatory listed sites.
- **Detail Reports** – data detail for each database record identified.
- **Proximal Records Table** – a listing of potentially relevant sites identified just beyond the search criteria.
- **Non-Mapped Records Table** - lists those government records that do not contain sufficient address information to plot within our GIS system, but may still exist within your study area.
- **Addl Maps (where applicable)** – includes Recent Aerial Photo, USGS Topographic maps, FEMA Floodplain & NWI Wetland Map, map of statewide American Indian Lands and our Environmental Impact Areas map, showing the location of suspect sites such as NPL/STNPL, Brownfields, FUDS, etc.... Our Florida well data report is also include with the Standard and Comprehensive formats.
- **Agency List Descriptions** – defines the regulatory databases included in this report along with the dates that each database was last updated by the respective agency and EDM.

At EDM we take great pride in our work, and continually strive to provide you with the most accurate and thorough research service available. This report is only intended as a means to assist in identifying locations that may pose an environmental concern relative to the property under evaluation. Its use is not intended to replace the need for a complete environmental assessment or regulatory file review, but rather as a supplement to the overall evaluation.

Thank you again for selecting EDM as your data research provider. Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

**ENVIRONMENTAL DATA MANAGEMENT, INC.**

## Executive Summary

Client Information	Project Information
Tierra Inc 7351 Temple Terrace Hwy Tampa FL 33637 Client Job No: Client P.O. No:	Custom 1/8 Mile Research Central Polk Parkway - Segment 1 SR 570 to US 17 Polk County, Florida EDM Job No# 24574

The following table displays the databases that were included in the research provided, the respective search distance for each database and the number of records identified for each database. The distance values indicated are measured from the centroid of the Subject Property. The absence of records in this table and the Site Summary Tables indicates that our research found no data for other sites located within the specified search distances.

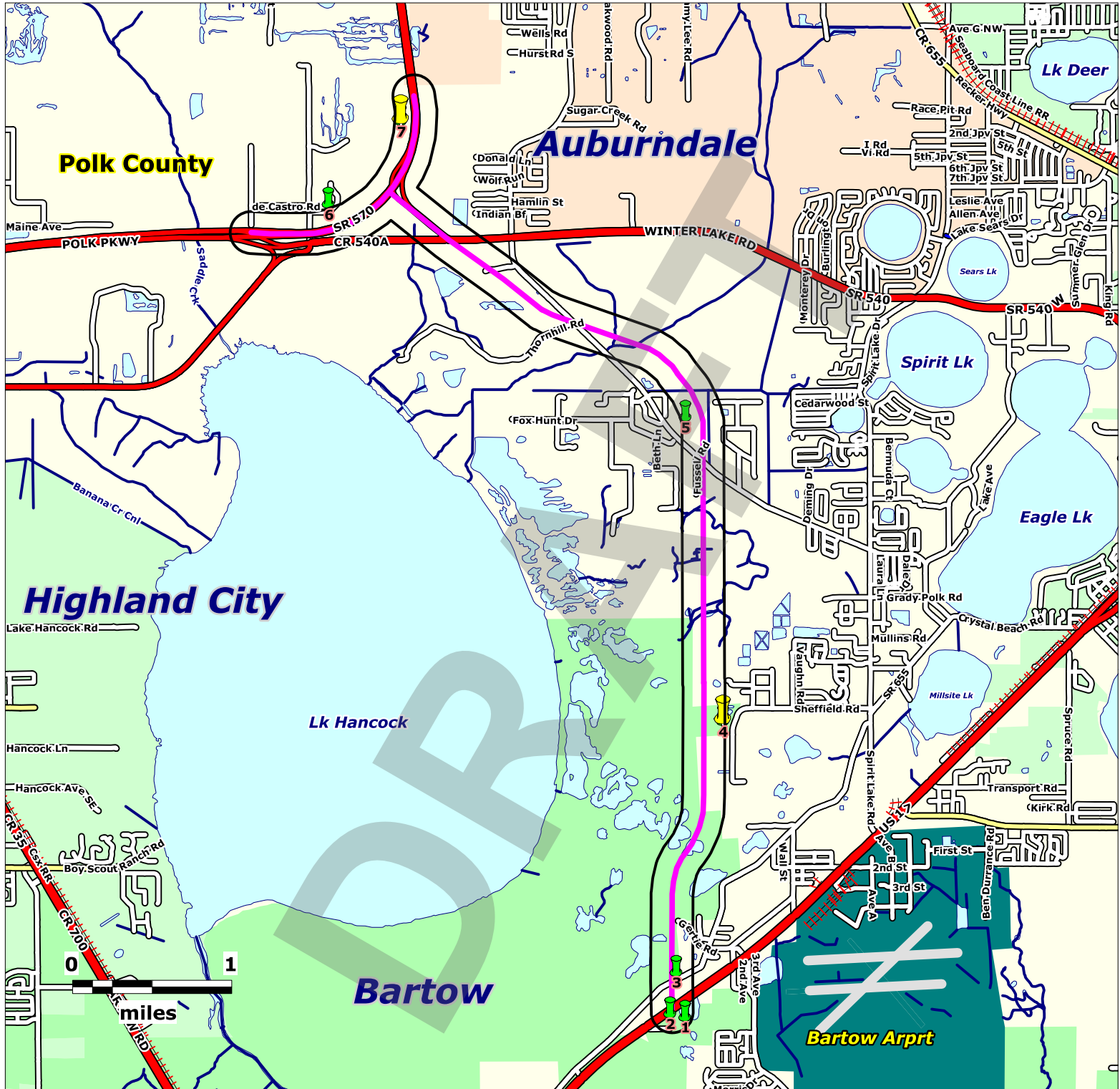
	# Found
<b>EPA DATABASES</b>	
National Priorities List(NPL)	0
Superfund Enterprise Management System Active Site Inventory List(SEMSACTV)	0
Comprehensive Env Response, Compensation & Liability Information System List(CERCLIS)	0
Superfund Enterprise Management System Archived Site Inventory List(SEMSARCH)	0
Archived Cerclis Sites(NFRAP)	0
Emergency Response Notification System List(ERNS)	0
RCRIS Handlers with Corrective Action(CORRACTS)	0
RCRA-Treatment, Storage and/or Disposal Sites(TSD)	0
RCRA-LQG,SQG,CESQG and Transporters(NONTSD)	3
Tribal Tanks List(TRIBLTANKS)	0
Tribal LUST List(TRIBLLUST)	0
Brownfields Management System(USBRWNFLDS)	0
Institutional and/or Engineering Controls(USINSTENG)	0
NPL Liens List(NPLLIENS)	0
Enforcement and Compliance History(ECHO)	9
<b>FDEP DATABASES</b>	
State NPL Equivalent(STNPL)	0
State CERCLIS/SEMS Equivalent(STCERC)	0
Solid Waste Facilities List(SLDWST)	3
Leaking Underground Storage Tanks List(LUST)	1
Underground/Aboveground Storage Tanks(TANKS)	3
State Designated Brownfields(BRWNFLDS)	0
Voluntary Cleanup List(VOLCLNUP)	0
Institutional and/or Engineering Controls(INSTENG)	0
Dry Cleaners List(DRY)	0

### \*\*\* Disclaimer \*\*\*

Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Additionally, limitations exist in mapping data detail and accuracy. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used in conjunction with other relevant information to direct your attention at potential problem areas; which should be followed up by site inspections, interviews with relevant personnel and regulatory file review. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. The EDM Service Request Form contains more detailed language with regard to such limitations, the terms of which the reader must accept in their entirety before utilizing this report. If the signed contract is not available to the reader, EDM will gladly furnish a copy upon request. Requests via email authorization are construed to be in accordance with these terms.







Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

## Subject Property

Central Polk Parkway - Segment 1  
SR 570 to US 17  
Polk County, Florida

EDM Job No: 24574  
October 2, 2018

## Approximate Site Boundary



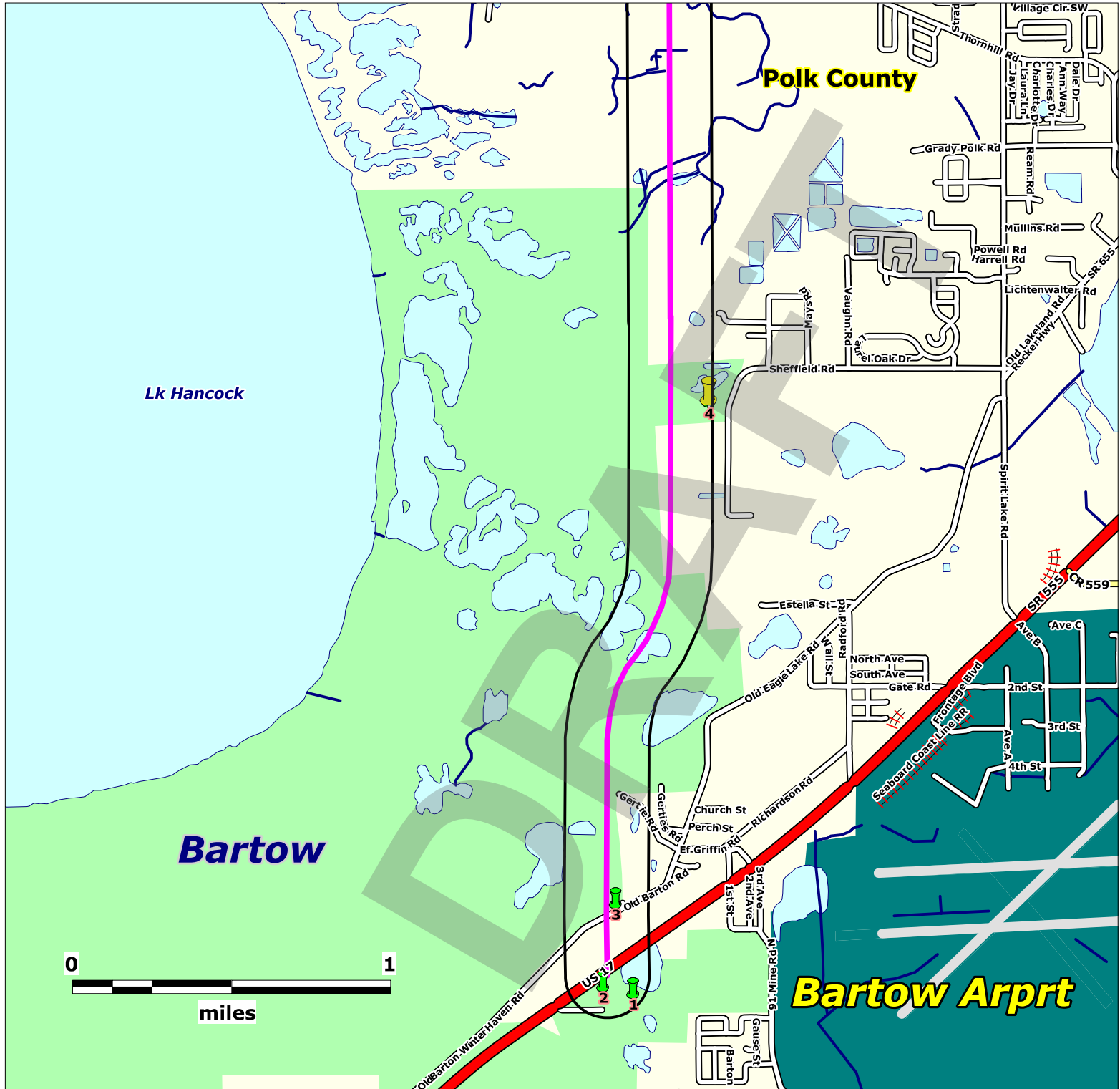
NPL, STNPL, NPLLIENS, CORRACTS  
& TSD sites



CERCLIS, SEMSACTV, NFRAP, SEMSARCH,  
STCERC, SLDWST, LUST, BRWNFLDS,  
VOLCLNUP & DRY sites



ERNS, NONTSD, ECHO, TANKS  
& INSTENG sites



Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

## Subject Property

Central Polk Parkway - Segment 1  
SR 570 to US 17  
Polk County, Florida

EDM Job No: 24574  
October 2, 2018

Approximate Site Boundary



NPL, STNPL, NPLLIENS, CORRACTS  
& TSD sites



CERCLIS, SEMSACTV, NFRAP, SEMSARCH,  
STCERC, SLDWST, LUST, BRWNFLDS,  
VOLCLNUP & DRY sites



ERNS, NONTSD, ECHO, TANKS  
& INSTENG sites





Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

## Subject Property

Central Polk Parkway - Segment 1  
SR 570 to US 17  
Polk County, Florida

EDM Job No: 24574  
October 2, 2018

## Approximate Site Boundary



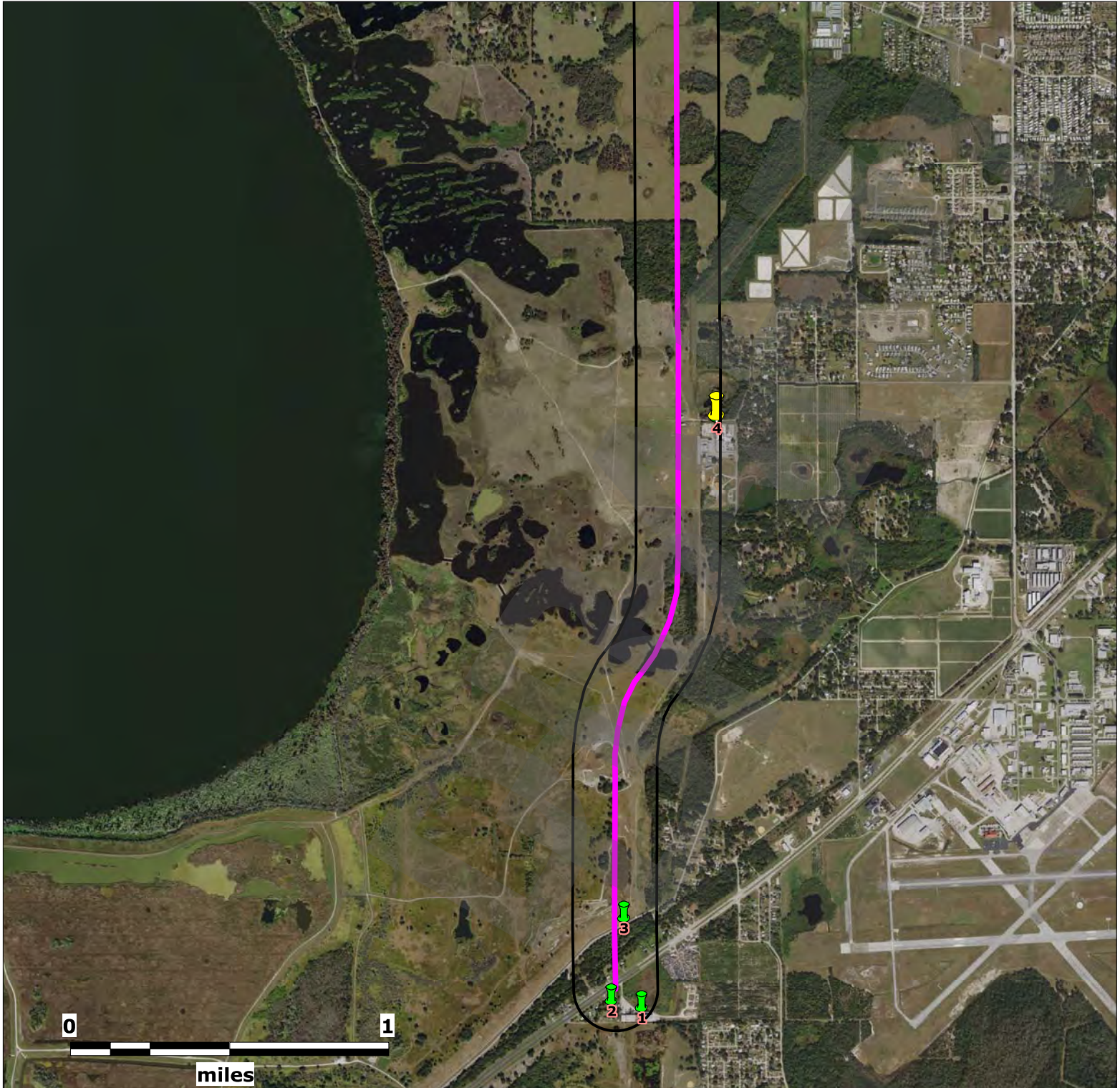
NPL, STNPL, NPLLIENS, CORRACTS  
& TSD sites



CERCLIS, SEMSACTV, NFRAP, SEMSARCH,  
STCERC, SLDWST, LUST, BRWNFLDS,  
VOLCLNUP & DRY sites



ERNS, NONTSD, ECHO, TANKS  
& INSTENG sites



Source: USDA National Agriculture Imagery Program (NAIP)

Map Scale and Property Boundaries are Approximate

## Subject Property

Central Polk Parkway - Segment 1  
SR 570 to US 17  
Polk County, Florida

EDM Job No: 24574  
October 2, 2018

### Approximate Site Boundary



NPL, STNPL, NPLLIENS, CORRACTS  
& TSD sites

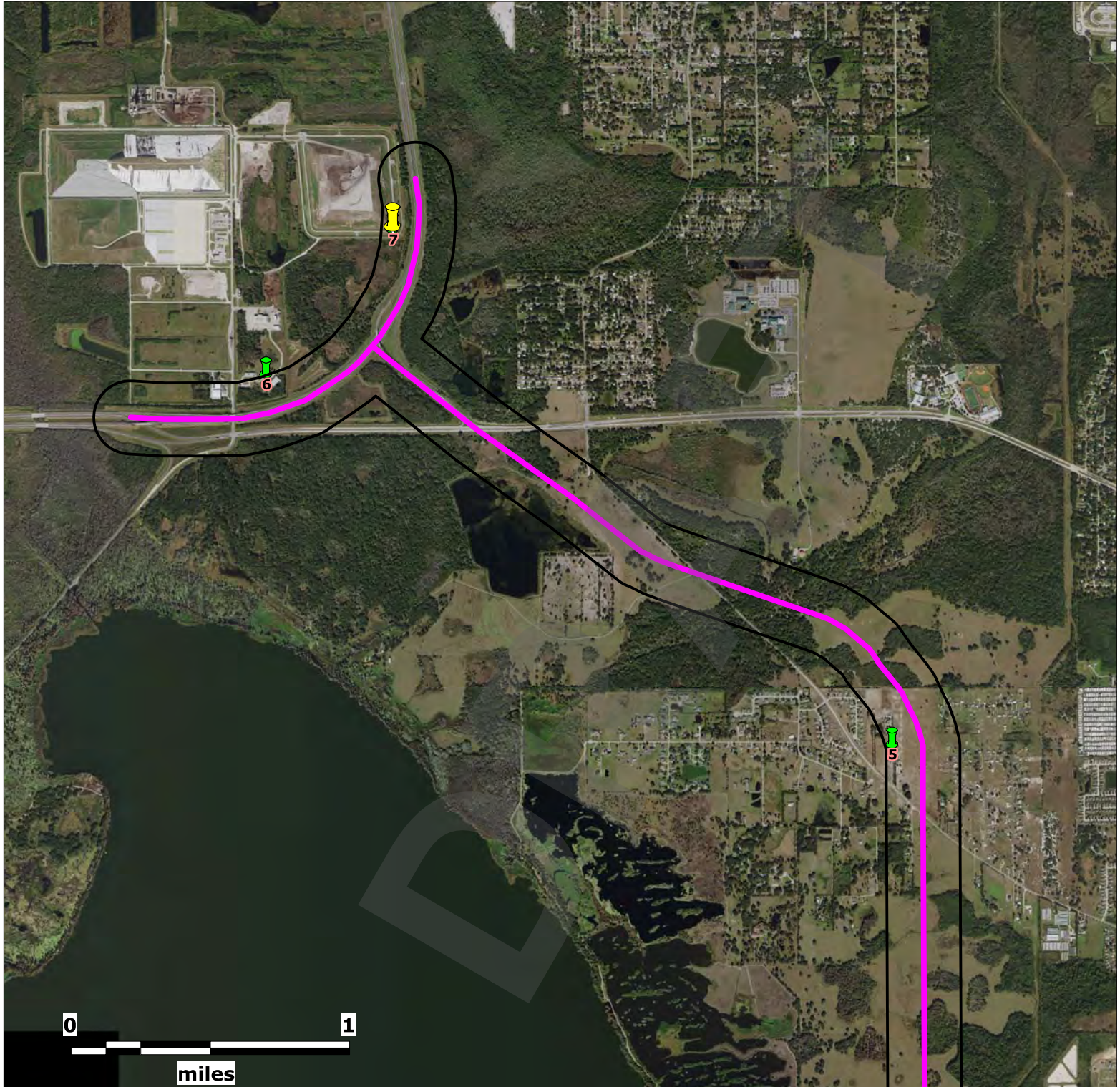


CERCLIS, SEMSACTV, NFRAP, SEMSARCH,  
STCERC, SLDWST, LUST, BRWNFLDS,  
VOLCLNUP & DRY sites



ERNS, NONTSD, ECHO, TANKS  
& INSTENG sites





Source: USDA National Agriculture Imagery Program (NAIP)

Map Scale and Property Boundaries are Approximate

## Subject Property

Central Polk Parkway - Segment 1  
SR 570 to US 17  
Polk County, Florida

EDM Job No: 24574  
October 2, 2018

Approximate Site Boundary



NPL, STNPL, NPLLIENS, CORRACTS  
& TSD sites



CERCLIS, SEMSACTV, NFRAP, SEMSARCH,  
STCERC, SLDWST, LUST, BRWNFLDS,  
VOLCLNUP & DRY sites



ERNS, NONTSD, ECHO, TANKS  
& INSTENG sites





*Map Scale and Property Boundaries are Approximate*

— Approximate Site Boundary



# ENVIRONMENTAL DATA MANAGEMENT

## Custom 1/8 Mile Research Site Summary Table

Report Date: 10/2/2018

Page 1 of 1

MapID & Pgm List	Fac ID No	Site Dist(Mi) & Direction	Site Name	Site Address
<b>1</b>				
ECHO	110020553220	3.89 S	DURATEK WALL CORPORATION	3390 U.S. HIGHWAY 17 NORTH BARTOW, FL 33830
ECHO	110039629970	3.89 S	OLDCASTLE PRECAST INC	3390 HWY 17 N BARTOW, FL 33830
ECHO	110041943868	3.89 S	DURATEK WALL SYSTEMS - BUILDIN	UNKNOWN BARTOW, FL 33830
<b>2</b>				
TANKS	8838653	3.87 S	TYRE EQUIPMENT	HWY 17 N BARTOW, FL 33830
<b>3</b>				
ECHO	110059798759	3.61 S	LAKE HANCOCK	3217 OLD BARTOW EAGLE LAKE RD BARTOW, FL 33830
<b>4</b>				
ECHO	110005588729	2.03 S	POLK COUNTY TRAFFIC OPERATIONS	3000 SHEFFIELD RD WINTER HAVEN, FL 33880
LUST	8628387	2.03 S	POLK CNTY FLEET MGMT- SHEFFIELD 107	3000 SHEFFIELD RD WINTER HAVEN, FL 338804817
NONTSD	FLD982157687	2.03 S	POLK COUNTY TRAFFIC OPERATIONS	3000 SHEFFIELD RD WINTER HAVEN, FL 338804817
SLDWST	95912	2.03 S	POLK COUNTY BOARD OF CO COMMISSIONERS	3000 SHEFFIELD RD WINTER HAVEN, FL 33880
TANKS	8628387	2.03 S	POLK CNTY FLEET MGMT- SHEFFIELD 107	3000 SHEFFIELD RD WINTER HAVEN, FL 33880
<b>5</b>				
TANKS	8624521	0.14 SW	W H STUART RANCH INC	4340 THORNHILL ROAD WINTER HAVEN, FL 33880
<b>6</b>				
ECHO	110020892710	2.63 NW	POLK COUNTY HOUSEHOLD HAZARDOUS WASTE FACILITY	5 ENVIRONMENTAL LOOP S WINTER HAVEN, FL 33880
NONTSD	FLR000115329	2.63 NW	POLK COUNTY HOUSEHOLD HAZARDOUS WASTE	5 ENVIRONMENTAL LOOP S WINTER HAVEN, FL 33880
<b>7</b>				
ECHO	110035628130	2.56 NW	NORTH CENTRAL LANDFILL WINTER LAKED	HWY 540 WEST WINTER HAVEN, FL 33880
ECHO	110043798076	2.56 NW	POLK COUNTY - NORTH CENTRAL LANDFILL	10 ENVIRONMENTAL LOOP SOUTH WINTER HAVEN, FL 33880
ECHO	110053859197	2.56 NW	NORTH CENTRAL LANDFILL	, FL
NONTSD	FLT000066746	2.56 NW	NORTH CENTRAL LANDFILL WINTER LAKED	HWY 540 WEST WINTER HAVEN, FL 33880
SLDWST	49722	2.56 NW	NORTH POLK CENTRAL LF (SITE 201)	SR540, 5.4MI E US98 WINTER HAVEN, FL 33880
SLDWST	95745	2.56 NW	POLK COUNTY SOLID WASTE DIVISION	10 ENVIRONMENTAL LOOP WINTER HAVEN, FL 33880



# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 1 of 5

## FRS ID NUMBER, NAME AND LOCATION:

110020553220  
DURATEK WALL CORPORATION  
3390 U.S. HIGHWAY 17 NORTH  
BARTOW, FL 33830

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: POLK  
AGENCY LAT/LON: 27.942813/ -81.800143

## MAP ID NUMBER:

Dist (Miles):  
Direction:

1

ECHO

ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: N  
NPDES ID?: Y  
SDWISID?: N  
RCRAInfo ID?: N  
TRIS ID?: N  
GHG ID?: N  
FAC SIC CODES:  
FAC NAICS CODES:  
TRIS REPORTER?:  
FIPS CODE: 12105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE: 031001010205  
CONG DIST: 15  
CENSUS BLK: 12105015301100  
MAJ FAC?:  
ACTV PERM?:  
% MINORITY WITHIN 3 MI: 45.739  
POP /SQ MI WITHIN 3 MI: 339.04  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0  
LAST INSP:  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT :  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

LAST EPA INSP:  
LAST STATE INSP:  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER: Y

## CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

## CLEAN WATER ACT INFO:

NPDES ID: FLR10R100  
CWA PERMIT TYPE: Minor  
NAICS CODE:  
SIC CODE:  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: No Violation  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
CWA 3YR QRTS EFFL EXCEED:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 2 of 5

## RCRIS INFO:

RCRA ID:

RCRA PERMIT TYPE:

NAICS CODE:

RCRA INSPS IN LAST 5 YRS:

RCRA DAYS LAST EVAL:

# RCRA INFORMAL ENF ACTS LAST 5 YRS:

# RCRA FORMAL ENF ACTS LAST 5 YRS:

RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:

RCRA LAST PENALTY DATE:

RCRA LAST PENALTY AMT:

RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:

RCRA CURR HPV/SNC FLAG: N

RCRA 3YR QRTLY COMPL STATU

## SDWA INFO:

SDWA ID:

SDWA SYST TYPE:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

SDWA CURR COMPL:

SDWA CURR HPV/SNC FLAG: N

## TRIS INFO:

TRIS ID:

TRIS TOTAL LBS ONSITE/OFFSITE:

TRIS LBS REL ONSITE:

TRIS LBS TXFR OFFSITE:

TRIS PAST RPTS?:

## FED ENF INFO:

TOTAL FEC CASES 5 YRS:

FEC LAST DATE:

FEC TOTAL PENLTY:

## GRN HOUSE GAS INFO:

GHG ID:

GHG EMISSIONS MT: N

## FRS ID NUMBER, NAME AND LOCATION:

110039629970

OLDCASTLE PRECAST INC

3390 HWY 17 N

BARTOW, FL 33830

EPA REG: 04

TRIBAL?: N

FED FAC?:

COUNTY: POLK

AGENCY LAT/LON: 27.938889/ -81.803056

## MAP ID NUMBER:

Dist (Miles):

Direction:

1

ECHO

## ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: Y

NPDES ID?: Y

SDWISID?: N

RCRAInfo ID?: N

TRIS ID?: N

GHG ID?: N

FAC SIC CODES: 3272

FAC NAICS CODES: 327390

TRIS REPORTER?:

FIPS CODE: 12105

HUC CODE: 03100101

AIR NAA?

WBD CODE:

CONG DIST: 15

CENSUS BLK: 12105015301100

MAJ FAC?:

ACTV PERM?: Y

% MINORITY WITHIN 3 MI: 48.906

POP /SQ MI WITHIN 3 MI: 304.43

TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0

LAST INSP: 8/16/2011

DAYS LAST INSP:

# INFORMAL ENF ACTS LAST 5 YRS : 0

LAST INFORMAL ENF ACT :

# FORMAL ENF ACTS LAST 5 YRS : 0

LAST FORMAL ENF ACT :

# PENALTIES ASSESSED LAST 5 YRS : 0

TOTAL PENALTIES ASSESSED : 0

LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0

PGMS IN NONCOMPL: 0

CURR COMPL: No Violation

CURR IN SNC?: N

3YR QRTLY COMPL STATUS:

## CLEAN AIR ACT INFO:

ICIS AIR ID: FL0000001210500345

CAA TOTAL PENALTIES:

CAA CURR COMPL: Not Available



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 3 of 5

CAA PERMIT TYPE: Minor Emissions

NAICS CODE: 327390

SIC CODE: 3272

CAA INSPS IN LAST 5 YRS:

CAA DAYS LAST INSPN:

# CAA INFORMAL ENF ACTS LAST 5 YRS:

# CAA FORMAL ENF ACTS LAST 5 YRS:

CAA DATE LAST FORMAL ACTION:

CAA LAST PENALTY DATE:

CAA LAST PENALTY AMT:

CAA QTRS NONCMPL LAST 5 YRS: 0

CAA CURR HPV/SNC FLAG: N

CAA 3YR QRTLY COMPL STATUS:

## CLEAN WATER ACT INFO:

NPDES ID: FLR05G946 FLR05H1

CWA PERMIT TYPE: Minor

NAICS CODE: 327390

SIC CODE: 3272

CWA INSPS IN LAST 5 YRS:

CWA DAYS LAST INSPN: 2336

# CWA INFORMAL ENF ACTS LAST 5 YRS:

# CWA FORMAL ENF ACTS LAST 5 YRS:

CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:

CWA LAST PENALTY DATE:

CWA LAST PENALTY AMT:

CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: No Violation

CWA CURR HPV/SNC FLAG: N

CWA 3YR QRTLY COMPL STATUS:

CWA 3YR QTRS EFFL EXCEED:

## RCRIS INFO:

RCRA ID:

RCRA PERMIT TYPE:

NAICS CODE:

RCRA INSPS IN LAST 5 YRS:

RCRA DAYS LAST EVAL:

# RCRA INFORMAL ENF ACTS LAST 5 YRS:

# RCRA FORMAL ENF ACTS LAST 5 YRS:

RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:

RCRA LAST PENALTY DATE:

RCRA LAST PENALTY AMT:

RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:

RCRA CURR HPV/SNC FLAG: N

RCRA 3YR QRTLY COMPL STATU

## SDWA INFO:

SDWA ID:

SDWA SYST TYPE:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

SDWA CURR COMPL:

SDWA CURR HPV/SNC FLAG: N

## TRIS INFO:

TRIS ID:

TRIS TOTAL LBS ONSITE/OFFSITE:

TRIS LBS REL ONSITE:

TRIS LBS TXFR OFFSITE:

TRIS PAST RPTS?:

## FED ENF INFO:

TOTAL FEC CASES 5 YRS:

FEC LAST DATE:

FEC TOTAL PENLTY:

## GRN HOUSE GAS INFO: GHG ID:

GHG EMISSIONS MT: N

## FRS ID NUMBER, NAME AND LOCATION:

110041943868

DURATEK WALL SYSTEMS - BUILDIN

UNKNOWN

BARTOW, FL 33830

EPA REG: 04

TRIBAL?: N

FED FAC?:

COUNTY: POLK

AGENCY LAT/LON: 27.937667/ -81.802722

## MAP ID NUMBER:

Dist (Miles):

Direction:

1

ECHO

ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 10/2/2018

ECHO Page 4 of 5

AFS ID?: N  
NPDES ID?: Y  
SDWISID?: N  
RCRAInfo ID?: N  
TRIS ID?: N  
GHG ID?: N  
FAC SIC CODES: 5039  
FAC NAICS CODES: 423310  
TRIS REPORTER?:  
FIPS CODE: FL105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE: 031001010205  
CONG DIST: 15  
CENSUS BLK: 12105015301100  
MAJ FAC?:  
ACTV PERM?:  
% MINORITY WITHIN 3 MI: 49.183  
POP /SQ MI WITHIN 3 MI: 302.59  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0  
LAST INSP:  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT :  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:  
UU

LAST EPA INSP:  
LAST STATE INSP:  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER: Y

### CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

### CLEAN WATER ACT INFO:

NPDES ID: FLR10JQ46  
CWA PERMIT TYPE: Minor  
NAICS CODE: 423310  
SIC CODE: 5039  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: No Violation  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
UU  
CWA 3YR QRTS EFFL EXCEED:

### RCRIS INFO:

RCRA ID:  
RCRA PERMIT TYPE:  
NAICS CODE:  
RCRA INSPS IN LAST 5 YRS:  
RCRA DAYS LAST EVAL:  
# RCRA INFORMAL ENF ACTS LAST 5 YRS:  
# RCRA FORMAL ENF ACTS LAST 5 YRS:  
RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:  
RCRA LAST PENALTY DATE:  
RCRA LAST PENALTY AMT:  
RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:  
RCRA CURR HPV/SNC FLAG: N  
RCRA 3YR QRTLY COMPL STATU

### SDWA INFO:

### TRIS INFO:

### FED ENF INFO:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 5 of 5

**SDWA ID:**

**SWDA SYST TYPE:**

**# SDWA INFORMAL ENF ACTS LAST 5 YRS:**

**# SDWA FORMAL ENF ACTS LAST 5 YRS:**

**SDWA CURR COMPL:**

**SDWA CURR HPV/SNC FLAG:** N

**GRN HOUSE GAS INFO:**

**GHG ID:**

**TRIS ID:**

**TRIS TOTAL LBS ONSITE/OFFSITE:**

**TRIS LBS REL ONSITE:**

**TRIS LBS TXFR OFFSITE:**

**TRIS PAST RPTS?:**

**GHG EMISSIONS MT:** N

**TOTAL FEC CASES 5 YRS:**

**FEC LAST DATE:**

**FEC TOTAL PENLTY:**



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# FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 10/2/2018

TANKS Page 1 of 1

## FACILITY ID NUMBER, NAME AND LOCATION

8838653  
TYRE EQUIPMENT  
HWY 17 N  
BARTOW, FL 33830

## OWNERSHIP INFORMATION

TYRE EQUIPMENT  
HWY 17 N  
BARTOW, FL 33830  
CONTACT TEL #: (813) 533-3369  
CONTACT: D.H. TYRE  
COUNTY: 53 POLK  
AGCY LAT/LON: /

## MAP ID NUMBER:

Dist (Miles):  
Direction:

2

T  
A  
N  
K  
S

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

**FAC STATUS:** OPEN

**FAC TYPE:** Fuel user/Non-retail

**TANK #:** 1  
**TANK VOL(GALS):** 550

**INST.DATE:**

**TANK CONTENTS:**  
Vehicular Diesel

**TANK POSITION:**  
ABOVEGROUND

**TANK STATUS (as of...)**  
IN SERVICE 07-Oct-2004

**CONSTRUCTION TYPE:** D

UNKNOWN

**PIPING TYPE:**

**LEAK MONITORING:** Y

UNKNOWN

**TANK #:** 2  
**TANK VOL(GALS):** 250

**INST.DATE:**

**TANK CONTENTS:**  
Unleaded Gas

**TANK POSITION:**  
ABOVEGROUND

**TANK STATUS (as of...)**  
IN SERVICE 07-Oct-2004

**CONSTRUCTION TYPE:** D

UNKNOWN

**PIPING TYPE:**

**LEAK MONITORING:** Y

UNKNOWN



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 1 of 2

## FRS ID NUMBER, NAME AND LOCATION:

110059798759  
LAKE HANCOCK  
3217 OLD BARTOW EAGLE LAKE RD  
BARTOW, FL 33830

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: POLK  
AGENCY LAT/LON: 27.943232/ -81.80324

## MAP ID NUMBER:

Dist (Miles):  
Direction:

3

ECHO

ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: N  
NPDES ID?: Y  
SDWISID?: N  
RCRAInfo ID?: N  
TRIS ID?: N  
GHG ID?: N  
FAC SIC CODES:  
FAC NAICS CODES:  
TRIS REPORTER?:  
FIPS CODE: FL105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE:  
CONG DIST: 15  
CENSUS BLK: 12105014702204  
MAJ FAC?:  
ACTV PERM?: Y  
% MINORITY WITHIN 3 MI: 46.108  
POP /SQ MI WITHIN 3 MI: 339.15  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0  
LAST INSP:  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT :  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

LAST EPA INSP:  
LAST STATE INSP:  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER:

## CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

## CLEAN WATER ACT INFO:

NPDES ID: FLR10NZ43  
CWA PERMIT TYPE: Minor  
NAICS CODE:  
SIC CODE:  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: No Violation  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
CWA 3YR QRTS EFFL EXCEED:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 2 of 2

## RCRIS INFO:

RCRA ID:

RCRA PERMIT TYPE:

NAICS CODE:

RCRA INSPS IN LAST 5 YRS:

RCRA DAYS LAST EVAL:

# RCRA INFORMAL ENF ACTS LAST 5 YRS:

# RCRA FORMAL ENF ACTS LAST 5 YRS:

RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:

RCRA LAST PENALTY DATE:

RCRA LAST PENALTY AMT:

RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:

RCRA CURR HPV/SNC FLAG: N

RCRA 3YR QRTLY COMPL STATU

## SDWA INFO:

SDWA ID:

SDWA SYST TYPE:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

SDWA CURR COMPL:

SDWA CURR HPV/SNC FLAG: N

## TRIS INFO:

TRIS ID:

TRIS TOTAL LBS ONSITE/OFFSITE:

TRIS LBS REL ONSITE:

TRIS LBS TXFR OFFSITE:

TRIS PAST RPTS?:

## FED ENF INFO:

TOTAL FEC CASES 5 YRS:

FEC LAST DATE:

FEC TOTAL PENLTY:

## GRN HOUSE GAS INFO:

GHG ID:

GHG EMISSIONS MT: N



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# USEPA RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION (RCRAInfo)

(NONTSD)

Report Date: 10/2/2018

NONTSD Page 1 of 2

## FACILITY ID NUMBER, NAME AND LOCATION

FLD982157687  
POLK COUNTY TRAFFIC OPERATIONS  
3000 SHEFFIELD RD  
WINTER HAVEN, FL 33880-4817

## CONTACT INFORMATION:

3000 SHEFFIELD RD  
WINTER HAVEN FL 33880  
Contact: BILL HARTZOG  
Contact Telephone: 941-533-1940  
Contact Email:  
Agency Lat - Lon: 27.963832 -81.799376

## MAP ID NUMBER:

Dist (Miles):  
Direction:

4

N  
O  
N  
T  
S  
D

[EPA ENVIROFACTS ON LINE REPORT](#) (May Not Be Available For All Records)

## RCRIS INFORMATION

NOTIFICATION DATE: 8/1/2012 SOURCE: INSPECTION

TSD?: NOT A TSD, VERIFIED  
GEN STATUS(Fed): CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
GEN STATUS(State): CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
MIXED WASTE GEN?: N  
IMPORTER?: N  
OFFSITE RECPT?: N  
TRANSPORTER?: NOT A TRANSPORTER, VERIFIED  
XFER FAC?: N  
SHRT TRM GEN?: N  
RECYCLER?: N  
NON-NOTIFIER?:

UNIV WST DEST?: N  
ON SITE BURNER?: N  
FURNACE?: N  
UNDGRND INJ?: NO UNDERGROUND INJECT  
UO BURNER?: N  
UO PROC?: N  
UO RECY?: N  
UO TRANS?: N  
UO XFER?: N  
UO MRKT BRN?: N  
UO SPEC MRKT?: N

NOTIFICATION DATE: 2/1/2012 SOURCE: INSPECTION

TSD?: NOT A TSD, VERIFIED  
GEN STATUS(Fed): CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
GEN STATUS(State): CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
MIXED WASTE GEN?: N  
IMPORTER?: N  
OFFSITE RECPT?: N  
TRANSPORTER?: NOT A TRANSPORTER, VERIFIED  
XFER FAC?: N  
SHRT TRM GEN?: N  
RECYCLER?: N  
NON-NOTIFIER?:

UNIV WST DEST?: N  
ON SITE BURNER?: N  
FURNACE?: N  
UNDGRND INJ?: NO UNDERGROUND INJECT  
UO BURNER?: N  
UO PROC?: N  
UO RECY?: N  
UO TRANS?: N  
UO XFER?: N  
UO MRKT BRN?: N  
UO SPEC MRKT?: N

NOTIFICATION DATE: 2/20/1995 SOURCE: NOTIFICATION

TSD?: NOT A TSD, VERIFIED  
GEN STATUS(Fed): SMALL QUANTITY GENERATOR(<1000 KG PER MONTH)  
GEN STATUS(State): SMALL QUANTITY GENERATOR(<1000 KG PER MONTH)  
MIXED WASTE GEN?: N  
IMPORTER?: N  
OFFSITE RECPT?: N  
TRANSPORTER?: NOT A TRANSPORTER, VERIFIED  
XFER FAC?: N  
SHRT TRM GEN?: N  
RECYCLER?: N  
NON-NOTIFIER?:

UNIV WST DEST?: N  
ON SITE BURNER?: N  
FURNACE?: N  
UNDGRND INJ?: NO UNDERGROUND INJECT  
UO BURNER?: N  
UO PROC?: N  
UO RECY?: N  
UO TRANS?: N  
UO XFER?: N  
UO MRKT BRN?: N  
UO SPEC MRKT?: N

## VIOLATION INFO

EVAL DT: 19950131 EVAL AGCY: S

EVAL TYPE: COMPLIANCE EVALUATION INSPECTION ON-SITE

VIOL FOUND?: Y

VIOL TYPE: 262.B Generators - Manifest  
VIOL DT: 19950307 VIOL DETER AGCY: S  
ENF DT: 19950307 ENF AGCY: S  
COMPL DT: 19950329

VIOL RESP AGCY: S  
ENF TYPE: DEP WARNING LETTER



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# USEPA RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION (RCRAInfo)

## (NONTSD)

Report Date: 10/2/2018

NONTSD Page 2 of 2

**VIOL TYPE:** 268.A LDR - General  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 265.I TSD IS-Container Use and Management  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** **ENF AGCY:** **ENF TYPE:**  
**COMPL DT:** 19950329

**VIOL TYPE:** 262.C Generators - Pre-transport  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 262.C Generators - Pre-transport  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 262.C Generators - Pre-transport  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 262.C Generators - Pre-transport  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 262.C Generators - Pre-transport  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 262.C Generators - Pre-transport  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 265.C TSD IS-Preparedness and Prevention  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329

**VIOL TYPE:** 265.P TSD IS-Thermal Treatment  
**VIOL DT:** 19950307 **VIOL DETER AGCY:** S **VIOL RESP AGCY:** S  
**ENF DT:** 19950307 **ENF AGCY:** S **ENF TYPE:** DEP WARNING LETTER  
**COMPL DT:** 19950329





# FDEP SOLID WASTE FACILITIES LIST

(SLDWST)

Report Date: 10/2/2018

SLDWST Page 1 of 1

## FACILITY ID, NAME AND LOCATION:

95912  
POLK COUNTY BOARD OF CO COMMISSIONERS  
3000 SHEFFIELD RD  
WINTER HAVEN, FL 33880

DISTRICT SWD  
COUNTY POLK  
SEC/TWN/RN //  
AGENCY LAT: ::  
AGENCY LON: ::

## MAP ID NUMBER:

Dist (Miles):

Direction:

4

SLDWST

## RESP AUTHORITY:

## SITE CONTACT:

## LAND OWNER:

, 33880

**FACILITY CLASS:** 754/WASTE TIRE COLLECTOR

**CLASS STATUS:** REGISTERED (R)

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

[FDEP INFORMATION PORTAL ON LINE REPORTS](#) (May Not Be Available For All Records)



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 10/2/2018

LUST Page 1 of 3

## FACILITY ID NUMBER, NAME AND LOCATION

8628387  
POLK CNTY FLEET MGMT- SHEFFIELD 107  
3000 SHEFFIELD RD  
WINTER HAVEN, FL 33880-4817

## OWNERSHIP INFO:

ACCOUNT OWNER  
POLK CNTY FLEET MANAGEM  
PO BOX 9005 DRAWER AS03 ATTN:  
BARTOW, FL 33831-9005  
(863)534-5660  
COUNTY ID: 53 POLK  
AGCY LAT/LON(DMS): 27,57,44.3598 81,47,55.0345  
FAC OPERATOR: MIMI HARDEE  
FAC TEL #: (863)534-5660

## MAP ID NUMBER:

Dist (Miles):  
Direction:

4

L  
U  
S  
T

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: OPEN

FAC TYPE: I - County Government

SCORE 59

SCORE EFF DT: 2/17/2005

RANK: 2150

SCORE WHEN RANKED: 59

FAC CLNUP STATUS:

## DISCHARGE INFORMATION

DISCHARGE DATE: 12/6/1988

Mapid: 4

INSPECTION DATE: 5/19/1990

CLEANUP REQUIRED: R - CLEANUP REQUIRED

INFO SOURCE: E - EDI

DISCH CLNUP STATUS: 11/22/2005 NFA - NFA COMPLETE

CONTAMINATED MEDIA?: SOIL: Y

SUR WATER: N

GR WATER: N

MON WELL: N

# DW WELLS CONTAMINATED: 0

POLLUTANT: Y - Unknown/Not Reported

GALLONS

OTHER

CLEANUP WORK STATUS: COMPLETED

## CLEANUP INFORMATION

Mapid: 4

PGM ELIG OFF: PCLP53 - FL DOH IN POLK COUNTY

PGM ELIG SCORE: 59

PGM ELIG SCORE EFF DT: 2/17/2005

PGM ELIG R: 2150

ELIG STAT: E

ELIG STAT DT: 12/14/200

APPL RCVD: 12/14/2000

LOI:

ELIG LTR SENT: 1/5/2001

REDETERM: N

DEDUCT AMT:

DEDUCT PD TO DT: 0

COPAY AMT: 25

COPAY TO DT: 0

CAP AMT: 300000

CLNUP PROG: C - PETROLEUM CLEANUP PA

CLNUP OFF: PCLP53 - FL DOH IN POLK COUNTY

## SITE ASSESSMENT

CLNP RESP: -

FUND ELLIG: -

ACTUAL COMPLETION DATE:

PAYMENT DATE:

ACTUAL COST:

## REMEDIAL ACTION PLAN

CLEANUP RESP: ST - STATE

FUND ELLIG: -

ORDER APPRV DATE:

ACTUAL COMPL DATE:

PAYMENT DATE:

ACTUAL COST:

## REMEDIAL ACTION

CLEANUP RESP: ST - STATE

FUND ELLIG: -

ACTUAL COST:

YEARS TO COMPL: 0

## SITE REHABILITATION COMPLETION REPORT

ACTION TYPE: NFA - NO FURTHER ACTION

SUBMIT DATE: 06-29-2005

REVIEW DATE: 08-30-2005

ISSUE DATE: 11-22-2005

COMPL STATUS: A - APPROVED

COMPL STATUS DT: 08-30-2005

COMMENTS:

## SOURCE REMOVAL

CLEANUP RESP: ST - STATE

FUND ELLIG: -

ACTUAL COMPLETION DATE:

FREE PRODUCT REMOVAL?(Y/N):

SOIL REMOVAL?(Y/N):

SOIL TONNAGE REMOVED:

SOIL TREATMENT?(Y/N):

OTHER TREATMENT?:

ALT PROC STATUS:

ALT PROC STATUS DT:

ALT PROC COMMENT:



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 10/2/2018

LUST Page 2 of 3

## DISCHARGE INFORMATION

DISCHARGE DATE: 8/30/1994

Mapid: 4

INSPECTION DATE: 9/13/1994

CLEANUP REQUIRED: R - CLEANUP REQUIRED

INFO SOURCE: D - DISCHARGE NOTIFICATION

DISCH CLNUP STATUS: 11/22/2005 NFA - NFA COMPLETE

CONTAMINATED MEDIA?: SOIL:

SUR WATER:

GR WATER:

MON WELL:

# DW WELLS CONTAMINATED:

POLLUTANT: D - Vehicular Diesel

GALLONS 230

OTHER

CLEANUP WORK STATUS: COMPLETED

## CLEANUP INFORMATION

Mapid: 4

PGM ELIG OFF: PCLP53 - FL DOH IN POLK COUNTY

PGM ELIG SCORE: 59

PGM ELIG SCORE EFF DT: 2/17/2005

PGM ELIG R 2150

ELIG STAT: E

ELIG STAT DT: 10/9/1996

APPL RCVD:

LOI: 8/27/1996

ELIG LTR SNT: 10/9/1996

REDETERM: N

DEDUCT AMT:

DEDUCT PD TO DT: 0

COPAY AMT: 25

COPAY TO DT: 0

CAP AMT: 300000

CLNUP PROG: C - PETROLEUM CLEANUP PA

CLNUP OFF: PCLP53 - FL DOH IN POLK COUNTY

## SITE ASSESSMENT

CLNP RESP: OTHER - OTHER

FUND ELLIG: -

ACTUAL COMPLETION DATE:

PAYMENT DATE:

ACTUAL COST:

## REMEDIAL ACTION PLAN

CLEANUP RESP: -

FUND ELLIG: -

ORDER APPRV DATE:

ACTUAL COMPL DATE:

PAYMENT DATE:

ACTUAL COST:

## REMEDIAL ACTION

CLEANUP RESP: -

FUND ELLIG: -

ACTUAL COST:

YEARS TO COMPL: 0

## SITE REHABILITATION COMPLETION REPORT

ACTION TYPE: NFA - NO FURTHER ACTION

SUBMIT DATE: 06-29-2005

REVIEW DATE: 08-30-2005

ISSUE DATE: 11-22-2005

COMPL STATUS: A - APPROVED

COMPL STATUS DT: 08-30-2005

COMMENTS:

## SOURCE REMOVAL

CLEANUP RESP: -

FUND ELLIG: -

ACTUAL COMPLETION DATE: 08-31-1994

FREE PRODUCT REMOVAL?(Y/N):

SOIL REMOVAL?(Y/N): Y

SOIL TONNAGE REMOVED: 347

SOIL TREATMENT?(Y/N):

OTHER TREATMENT?:

ALT PROC STATUS:

ALT PROC STATUS DT:

ALT PROC COMMENT:



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 10/2/2018

LUST Page 3 of 3

## TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION			OWNERSHIP INFORMATION		MAP ID NUMBER:
8628387 POLK CNTY FLEET MGMT- SHEFFIELD 107 3000 SHEFFIELD RD WINTER HAVEN, FL 33880			POLK CNTY FLEET MANAGEMENT PO BOX 9005 DRAWER AS03 ATTN: C BARTOW, FL 33831 <b>CONTACT TEL #:</b> (863) 534-5660 <b>CONTACT:</b> CHARLES CHEATHAM <b>FACILITY TEL #:</b> (863) 534-5660 <b>COUNTY ID:</b> 53 POLK		<b>4</b> Dist (Miles): Direction:
<a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)					
<b>FAC STATUS:</b> OPEN			<b>FAC TYPE:</b> County Government		
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
1	10000		Vehicular Diesel	UNDERGROUND	REMOVED 31-Dec-1991
CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: UNKNOWN					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
2	10000		Leaded Gas	UNDERGROUND	REMOVED 31-Dec-1991
CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: UNKNOWN					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
3	4000		Vehicular Diesel	UNDERGROUND	REMOVED 31-Dec-1991
CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: UNKNOWN					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
4	4000		Vehicular Diesel	UNDERGROUND	REMOVED 31-Dec-1991
CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: UNKNOWN					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
5	10000	01-Dec-1991	Unleaded Gas	ABOVEGROUND	IN SERVICE
CONSTRUCTION TYPE: BALL CHECK VALVE/STEEL/AST CONTAINMENT/TIGHT FILL PIPING TYPE: ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PRESSURIZED PIPING SYSTEM LEAK MONITORING: EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
6	10000	01-Dec-1991	Vehicular Diesel	ABOVEGROUND	IN SERVICE
CONSTRUCTION TYPE: BALL CHECK VALVE/STEEL/AST CONTAINMENT/TIGHT FILL PIPING TYPE: ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PRESSURIZED PIPING SYSTEM LEAK MONITORING: EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS					



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 1 of 2

## FRS ID NUMBER, NAME AND LOCATION:

110005588729  
POLK COUNTY TRAFFIC OPERATIONS  
3000 SHEFFIELD RD  
WINTER HAVEN, FL 33880

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: POLK  
AGENCY LAT/LON: 27.96299/ -81.79836

## MAP ID NUMBER:

Dist (Miles):  
Direction:

4

ECHO

ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: N  
NPDES ID?: N  
SDWISID?: N  
RCRAInfo ID?: Y  
TRIS ID?: N  
GHG ID?: N  
FAC SIC CODES:  
FAC NAICS CODES:  
TRIS REPORTER?:  
FIPS CODE: 12105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE:  
CONG DIST: 15  
CENSUS BLK: 12105014702202  
MAJ FAC?:  
ACTV PERM?: Y  
% MINORITY WITHIN 3 MI: 36.25  
POP /SQ MI WITHIN 3 MI: 596.2  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0  
LAST INSP: 1/31/1995  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT : 3/7/1995  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

LAST EPA INSP:  
LAST STATE INSP: 1/31/1995  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF: 3/7/1995  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER:

## CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

## CLEAN WATER ACT INFO:

NPDES ID:  
CWA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS:

CWA CURR COMPL:  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
CWA 3YR QRTS EFFL EXCEED:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 2 of 2

## RCRIS INFO:

RCRA ID: FLD982157687

RCRA PERMIT TYPE: CESQG

NAICS CODE:

RCRA INSPS IN LAST 5 YRS:

RCRA DAYS LAST EVAL: 8377

# RCRA INFORMAL ENF ACTS LAST 5 YRS:

# RCRA FORMAL ENF ACTS LAST 5 YRS:

RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:

RCRA LAST PENALTY DATE:

RCRA LAST PENALTY AMT:

RCRA QTRS NONCMPL LAST 5 YRS: 0

RCRA CURR COMPL: No Violation

RCRA CURR HPV/SNC FLAG: N

RCRA 3YR QRTL COMPL STATU

## SDWA INFO:

SDWA ID:

SDWA SYST TYPE:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

SDWA CURR COMPL:

SDWA CURR HPV/SNC FLAG: N

## TRIS INFO:

TRIS ID:

TRIS TOTAL LBS ONSITE/OFFSITE:

TRIS LBS REL ONSITE:

TRIS LBS TXFR OFFSITE:

TRIS PAST RPTS?:

## FED ENF INFO:

TOTAL FEC CASES 5 YRS:

FEC LAST DATE:

FEC TOTAL PENLTY:

## GRN HOUSE GAS INFO:

GHG ID:

GHG EMISSIONS MT: N



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# FDEP STORAGE TANKS REPORT

## (TANKS)

Report Date: 10/2/2018

TANKS Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION

8624521  
W H STUART RANCH INC  
4340 THORNHILL ROAD  
WINTER HAVEN, FL 33880

### OWNERSHIP INFORMATION

W H STUART RANCH INC  
PO BOX 250  
BARTOW, FL 33830  
CONTACT TEL #: (813) 533-4196  
CONTACT: RON GELVIN  
COUNTY: 53 POLK  
AGCY LAT/LON: 28 0 22 / 81 49 7

### MAP ID NUMBER:

Dist (Miles):  
Direction:

5

T  
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S

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

**FAC STATUS:** CLOSED

**FAC TYPE:** Fuel user/Non-retail

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	500		Vehicular Diesel	ABOVEGROUND	REMOVED

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: I NOT REQUIRED

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	500		Vehicular Diesel	ABOVEGROUND	REMOVED

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: I NOT REQUIRED

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	300		Vehicular Diesel	ABOVEGROUND	REMOVED

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
4	300		Vehicular Diesel	ABOVEGROUND	REMOVED

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
5	250		Unleaded Gas	UNDERGROUND	REMOVED

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
6	250		Unleaded Gas	UNDERGROUND	REMOVED

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN



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# USEPA RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION (RCRAInfo)

## (NONTSD)

Report Date: 10/2/2018

NONTSD Page 1 of 2

### FACILITY ID NUMBER, NAME AND LOCATION

FLR000115329  
POLK COUNTY HOUSEHOLD HAZARDOUS WASTE  
5 ENVIRONMENTAL LOOP S  
WINTER HAVEN, FL 33880-0000

[EPA ENVIROFACTS ON LINE REPORT](#) (May Not Be Available For All Records)

### CONTACT INFORMATION:

10 ENVIRONMENTAL LOOP S  
WINTER HAVEN FL 33880-1072  
**Contact:** BROOKS STAYER  
**Contact Telephone:** 863-284-4319  
**Contact Email:** BROOKSSTAYER@POLK-COU  
**Agency Lat - Lon:** 28.012924 -81.840967

### MAP ID NUMBER:

Dist (Miles):

Direction:

6

N  
O  
N  
T  
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D

### RCRIS INFORMATION

**NOTIFICATION DATE:** 5/23/2018 **SOURCE:** INSPECTION

**TSD?:** NOT A TSD,VERIFIED  
**GEN STATUS(Fed):** CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
**GEN STATUS(State):** CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
**MIXED WSTE GEN?:** N  
**IMPORTER?:** N  
**OFFSITE RECPT?:** N  
**TRANSPORTER?:** NOT A TRANSPORTER,VERIFIED  
**XFER FAC?:** N  
**SHRT TRM GEN?:** N  
**RECYCLER?:** N  
**NON-NOTIFIER?:** NON-NOTIFIER

**UNIV WST DEST?:** N  
**ON SITE BURNER?:** N  
**FURNACE?:** N  
**UNDGRND INJ?:** NO UNDERGROUND INJECT  
**UO BURNER?:** N  
**UO PROC?:** N  
**UO RECY?:** N  
**UO TRANS?:** N  
**UO XFER?:** N  
**UO MRKT BRN?:** N  
**UO SPEC MRKT?:** N

**NOTIFICATION DATE:** 6/19/2013 **SOURCE:** INSPECTION

**TSD?:** NOT A TSD,VERIFIED  
**GEN STATUS(Fed):** CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
**GEN STATUS(State):** CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
**MIXED WSTE GEN?:** N  
**IMPORTER?:** N  
**OFFSITE RECPT?:** N  
**TRANSPORTER?:** NOT A TRANSPORTER,VERIFIED  
**XFER FAC?:** N  
**SHRT TRM GEN?:** N  
**RECYCLER?:** N  
**NON-NOTIFIER?:** NON-NOTIFIER

**UNIV WST DEST?:** N  
**ON SITE BURNER?:** N  
**FURNACE?:** N  
**UNDGRND INJ?:** NO UNDERGROUND INJECT  
**UO BURNER?:** N  
**UO PROC?:** N  
**UO RECY?:** N  
**UO TRANS?:** N  
**UO XFER?:** N  
**UO MRKT BRN?:** N  
**UO SPEC MRKT?:** N

**NOTIFICATION DATE:** 12/27/2011 **SOURCE:** NOTIFICATION

**TSD?:** NOT A TSD,VERIFIED  
**GEN STATUS(Fed):** NOT A GENERATOR-VERIFIED  
**GEN STATUS(State):** NOT A GENERATOR-VERIFIED  
**MIXED WSTE GEN?:** N  
**IMPORTER?:** N  
**OFFSITE RECPT?:** N  
**TRANSPORTER?:** NOT A TRANSPORTER,VERIFIED  
**XFER FAC?:** N  
**SHRT TRM GEN?:** N  
**RECYCLER?:** N  
**NON-NOTIFIER?:** NON-NOTIFIER

**UNIV WST DEST?:** N  
**ON SITE BURNER?:** N  
**FURNACE?:** N  
**UNDGRND INJ?:** NO UNDERGROUND INJECT  
**UO BURNER?:** N  
**UO PROC?:** N  
**UO RECY?:** N  
**UO TRANS?:** N  
**UO XFER?:** N  
**UO MRKT BRN?:** N  
**UO SPEC MRKT?:** N



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# USEPA RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION (RCRAInfo)

## (NONTSD)

Report Date: 10/2/2018

NONTSD Page 2 of 2

**NOTIFICATION DATE:** 2/2/2011 **SOURCE:** NOTIFICATION

TSD?: NOT A TSD,VERIFIED  
GEN STATUS(Fed): NOT A GENERATOR-VERIFIED  
GEN STATUS(State): NOT A GENERATOR-VERIFIED  
MIXED WSTE GEN?: N  
IMPORTER?: N  
OFFSITE RECPT?:  
TRANSPORTER?: NOT A TRANSPORTER,VERIFIED  
XFER FAC?: N  
SHRT TRM GEN?: N  
RECYCLER?: N  
NON-NOTIFIER?: NON-NOTIFIER

UNIV WST DEST?: N  
ON SITE BURNER?: N  
FURNACE?: N  
UNDGRND INJ?: NO UNDERGROUND INJECT  
UO BURNER?: N  
UO PROC?: N  
UO RECY?: N  
UO TRANS?: N  
UO XFER?: N  
UO MRKT BRN?: N  
UO SPEC MRKT?: N

**NOTIFICATION DATE:** 1/9/2008 **SOURCE:** NOTIFICATION

TSD?: NOT A TSD,VERIFIED  
GEN STATUS(Fed): NOT A GENERATOR-VERIFIED  
GEN STATUS(State): NOT A GENERATOR-VERIFIED  
MIXED WSTE GEN?: N  
IMPORTER?: N  
OFFSITE RECPT?: N  
TRANSPORTER?: NOT A TRANSPORTER,VERIFIED  
XFER FAC?: N  
SHRT TRM GEN?: N  
RECYCLER?: N  
NON-NOTIFIER?: NON-NOTIFIER

UNIV WST DEST?: N  
ON SITE BURNER?: N  
FURNACE?: N  
UNDGRND INJ?: NO UNDERGROUND INJECT  
UO BURNER?: N  
UO PROC?: N  
UO RECY?: N  
UO TRANS?: N  
UO XFER?: N  
UO MRKT BRN?: N  
UO SPEC MRKT?: N

**NOTIFICATION DATE:** 12/15/2004 **SOURCE:** INSPECTION

TSD?: NOT A TSD,VERIFIED  
GEN STATUS(Fed): CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
GEN STATUS(State): CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
MIXED WSTE GEN?: N  
IMPORTER?: N  
OFFSITE RECPT?:  
TRANSPORTER?: NOT A TRANSPORTER,VERIFIED  
XFER FAC?: N  
SHRT TRM GEN?: N  
RECYCLER?: N  
NON-NOTIFIER?: NON-NOTIFIER

UNIV WST DEST?: N  
ON SITE BURNER?: N  
FURNACE?: N  
UNDGRND INJ?: NO UNDERGROUND INJECT  
UO BURNER?: N  
UO PROC?: N  
UO RECY?: N  
UO TRANS?: N  
UO XFER?: N  
UO MRKT BRN?: N  
UO SPEC MRKT?: N



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 1 of 2

## FRS ID NUMBER, NAME AND LOCATION:

110020892710  
POLK COUNTY HOUSEHOLD HAZARDOUS WASTE  
5 ENVIRONMENTAL LOOP S  
WINTER HAVEN, FL 33880

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: POLK  
AGENCY LAT/LON: 28.013225/ -81.840817

## MAP ID NUMBER:

Dist (Miles):  
Direction:

6

ECHO

ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: N  
NPDES ID?: N  
SDWISID?: N  
RCRAInfo ID?: Y  
TRIS ID?: N  
GHG ID?: N  
FAC SIC CODES:  
FAC NAICS CODES: 562111  
TRIS REPORTER?:  
FIPS CODE: 12105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE:  
CONG DIST: 15  
CENSUS BLK: 12105011721202  
MAJ FAC?:  
ACTV PERM?: Y  
% MINORITY WITHIN 3 MI: 17.849  
POP /SQ MI WITHIN 3 MI: 327.07  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 1  
LAST INSP: 6/18/2013  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT :  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

LAST EPA INSP:  
LAST STATE INSP: 6/18/2013  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER:

## CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

## CLEAN WATER ACT INFO:

NPDES ID:  
CWA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS:

CWA CURR COMPL:  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
CWA 3YR QRTS EFFL EXCEED:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 2 of 2

## RCRIS INFO:

RCRA ID: FLR000115329

RCRA PERMIT TYPE: CESQG

NAICS CODE: 562111

RCRA INSPS IN LAST 5 YRS: 1

RCRA DAYS LAST EVAL: 1664

# RCRA INFORMAL ENF ACTS LAST 5 YRS:

# RCRA FORMAL ENF ACTS LAST 5 YRS:

RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:

RCRA LAST PENALTY DATE:

RCRA LAST PENALTY AMT:

RCRA QTRS NONCMPL LAST 5 YRS: 0

RCRA CURR COMPL: No Violation

RCRA CURR HPV/SNC FLAG: N

RCRA 3YR QRTLY COMPL STATU

## SDWA INFO:

SDWA ID:

SDWA SYST TYPE:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

SDWA CURR COMPL:

SDWA CURR HPV/SNC FLAG: N

## TRIS INFO:

TRIS ID:

TRIS TOTAL LBS ONSITE/OFFSITE:

TRIS LBS REL ONSITE:

TRIS LBS TXFR OFFSITE:

TRIS PAST RPTS?:

## FED ENF INFO:

TOTAL FEC CASES 5 YRS:

FEC LAST DATE:

FEC TOTAL PENLTY:

## GRN HOUSE GAS INFO:

GHG ID:

GHG EMISSIONS MT: N



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# USEPA RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION (RCRAInfo)

## (NONTSD)

Report Date: 10/2/2018

NONTSD Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION

FLT000066746  
NORTH CENTRAL LANDFILL WINTER LAKED  
HWY 540 WEST  
WINTER HAVEN, FL 33880

[EPA ENVIROFACTS ON LINE REPORT](#) (May Not Be Available For All Records)

### CONTACT INFORMATION:

Contact:  
Contact Telephone:  
Contact Email:  
Agency Lat - Lon:

### MAP ID NUMBER:

Dist (Miles):  
Direction:

7

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D

### RCRIS INFORMATION

**NOTIFICATION DATE:** 11/20/2000 **SOURCE:** EPA INSPECTION

**TSD?:** NOT A TSD, VERIFIED  
**GEN STATUS(Fed):** CONDITIONALLY EXEMPT SQG(<100 KG PER MONTH)  
**GEN STATUS(State):** NOT A GENERATOR-VERIFIED  
**MIXED WSTE GEN?:** N  
**IMPORTER?:** N  
**OFFSITE RECPT?:** N  
**TRANSPORTER?:** NOT A TRANSPORTER, VERIFIED  
**XFER FAC?:** N  
**SHRT TRM GEN?:** Y  
**RECYCLER?:** N  
**NON-NOTIFIER?:**

**UNIV WST DEST?:** N  
**ON SITE BURNER?:** N  
**FURNACE?:** N  
**UNDGRND INJ?:** NO UNDERGROUND INJECT  
**UO BURNER?:** N  
**UO PROC?:** N  
**UO RECY?:** N  
**UO TRANS?:** N  
**UO XFER?:** N  
**UO MRKT BRN?:** N  
**UO SPEC MRKT?:** N



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# FDEP SOLID WASTE FACILITIES LIST

(SLDWST)

Report Date: 10/2/2018

SLDWST Page 1 of 1

## FACILITY ID, NAME AND LOCATION:

49722  
NORTH POLK CENTRAL LF (SITE 201)  
SR540, 5.4MI E US98  
WINTER HAVEN, FL 33880

DISTRICT SWD  
COUNTY POLK  
SEC/TWN/RN 30/28S/25E  
AGENCY LAT: 01:26.0  
AGENCY LON: 50:50.0

## MAP ID NUMBER:

Dist (Miles):  
Direction:

7

SLDWST

## RESP AUTHORITY:

POLK COUNTY WASTE & RECYCLING DIVI

## SITE CONTACT:

ANA WOOD

## LAND OWNER:

POLK COUNTY  
P O BOX 39  
BARTOW, FL 33830

WINTER HAVEN, FL 33880

(863) 284-4319

**FACILITY CLASS:** 100/CLASS I LANDFILL

**CLASS STATUS:** ACTIVE (A)

**FACILITY CLASS:** 300/CLASS III LANDFILL

**CLASS STATUS:** ACTIVE (A)

**FACILITY CLASS:** 330/SOURCE-SEPARATED ORGANICS PROC. FAC. (SOPF)

**CLASS STATUS:** ACTIVITY NOT PERMITTED/REGISTERED (N)

**FACILITY CLASS:** 751/WASTE TIRE COLLECTION CENTER

**CLASS STATUS:** ACTIVE (A)

**FACILITY CLASS:** 910/DISASTER DEBRIS MANAGEMENT SITE

**CLASS STATUS:** INACTIVE (I)

**FDEP INFORMATION PORTAL ON LINE DOCUMENTS** (May Not Be Available For All Records)

**FDEP INFORMATION PORTAL ON LINE REPORTS** (May Not Be Available For All Records)

## FACILITY ID, NAME AND LOCATION:

95745  
POLK COUNTY SOLID WASTE DIVISION  
10 ENVIRONMENTAL LOOP  
WINTER HAVEN, FL 33880

DISTRICT SWD  
COUNTY POLK  
SEC/TWN/RN //  
AGENCY LAT: ::  
AGENCY LON: ::

## MAP ID NUMBER:

Dist (Miles):  
Direction:

7

SLDWST

## RESP AUTHORITY:

, 33880

## SITE CONTACT:

## LAND OWNER:

**FACILITY CLASS:** 754/WASTE TIRE COLLECTOR

**CLASS STATUS:** INACTIVE (I)

**FDEP INFORMATION PORTAL ON LINE DOCUMENTS** (May Not Be Available For All Records)

**FDEP INFORMATION PORTAL ON LINE REPORTS** (May Not Be Available For All Records)



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 1 of 5

## FRS ID NUMBER, NAME AND LOCATION:

110035628130  
NORTH CENTRAL LANDFILL WINTER LAKED  
HWY 540 WEST  
WINTER HAVEN, FL 33880

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: POLK  
AGENCY LAT/LON: 28.002347/ -81.749989

## MAP ID NUMBER:

Dist (Miles):  
Direction:

7

ECHO

ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: N  
NPDES ID?: N  
SDWISID?: N  
RCRAInfo ID?: Y  
TRIS ID?: N  
GHG ID?: N  
FAC SIC CODES:  
FAC NAICS CODES:  
TRIS REPORTER?:  
FIPS CODE: 12105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE: 031001010204  
CONG DIST: 10  
CENSUS BLK: 12105013802207  
MAJ FAC?:  
ACTV PERM?: Y  
% MINORITY WITHIN 3 MI: 37.472  
POP /SQ MI WITHIN 3 MI: 1935.47  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0  
LAST INSP:  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT :  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

LAST EPA INSP:  
LAST STATE INSP:  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER:

## CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

## CLEAN WATER ACT INFO:

NPDES ID:  
CWA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS:

CWA CURR COMPL:  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
CWA 3YR QRTS EFFL EXCEED:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 2 of 5

## RCRIS INFO:

RCRA ID: FLT000066746  
RCRA PERMIT TYPE: CESQG  
NAICS CODE:  
RCRA INSPS IN LAST 5 YRS:  
RCRA DAYS LAST EVAL:  
# RCRA INFORMAL ENF ACTS LAST 5 YRS:  
# RCRA FORMAL ENF ACTS LAST 5 YRS:  
RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:  
RCRA LAST PENALTY DATE:  
RCRA LAST PENALTY AMT:  
RCRA QTRS NONCMPL LAST 5 YRS: 0

RCRA CURR COMPL: No Violation  
RCRA CURR HPV/SNC FLAG: N  
RCRA 3YR QRTLY COMPL STATU

## SDWA INFO:

SDWA ID:  
SDWA SYST TYPE:  
# SDWA INFORMAL ENF ACTS LAST 5 YRS:  
# SDWA FORMAL ENF ACTS LAST 5 YRS:  
SDWA CURR COMPL:  
SDWA CURR HPV/SNC FLAG: N

## TRIS INFO:

TRIS ID:  
TRIS TOTAL LBS ONSITE/OFFSITE:  
TRIS LBS REL ONSITE:  
TRIS LBS TXFR OFFSITE:  
TRIS PAST RPTS?:

## FED ENF INFO:

TOTAL FEC CASES 5 YRS:  
FEC LAST DATE:  
FEC TOTAL PENLTY:

## GRN HOUSE GAS INFO:

GHG ID: GHG EMISSIONS MT: N

## FRS ID NUMBER, NAME AND LOCATION:

110043798076  
POLK COUNTY - NORTH CENTRAL LANDFILL  
10 ENVIRONMENTAL LOOP SOUTH  
WINTER HAVEN, FL 33880

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: POLK  
AGENCY LAT/LON: 28.012621/-81.841865

## MAP ID NUMBER:

Dist (Miles):  
Direction:

7

ECHO

## ECHO ON LINE REPORTS (May Not Be Available For All Records)

## GENERAL FACILITY INFO:

AFS ID?: N  
NPDES ID?: Y  
SDWISID?: N  
RCRAInfo ID?: N  
TRIS ID?: N  
GHG ID?: Y  
FAC SIC CODES: 4953  
FAC NAICS CODES: 562211 562212  
TRIS REPORTER?:  
FIPS CODE: 12105  
HUC CODE: 03100101  
AIR NAA?  
WBD CODE: 031001010101  
CONG DIST: 15  
CENSUS BLK: 12105011721202  
MAJ FAC?:  
ACTV PERM?: Y  
% MINORITY WITHIN 3 MI: 17.719  
POP /SQ MI WITHIN 3 MI: 329.06  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 2  
LAST INSP: 12/11/2015  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT : 4/24/2000  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: Unknown  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

LAST EPA INSP:  
LAST STATE INSP: 12/11/2015  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF: 4/24/2000  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER: Y

## CLEAN AIR ACT INFO:

ICIS AIR ID:

CAA TOTAL PENALTIES:

CAA CURR COMPL:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 10/2/2018

ECHO Page 3 of 5

### CAA PERMIT TYPE:

NAICS CODE:

SIC CODE:

CAA INSPS IN LAST 5 YRS:

CAA DAYS LAST INSPN:

# CAA INFORMAL ENF ACTS LAST 5 YRS:

# CAA FORMAL ENF ACTS LAST 5 YRS:

CAA DATE LAST FORMAL ACTION:

### CAA LAST PENALTY DATE:

CAA LAST PENALTY AMT:

CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR HPV/SNC FLAG: N

CAA 3YR QRTL COMPL STATUS:

### CLEAN WATER ACT INFO:

NPDES ID: FLR05A055 FLR10LU

CWA PERMIT TYPE: Minor

NAICS CODE: 562211

SIC CODE: 4953

CWA INSPS IN LAST 5 YRS: 2

CWA DAYS LAST INSPN: 780

# CWA INFORMAL ENF ACTS LAST 5 YRS:

# CWA FORMAL ENF ACTS LAST 5 YRS:

CWA DATE LAST FORMAL ACTION:

### CWA TOTAL PENALTIES:

CWA LAST PENALTY DATE:

CWA LAST PENALTY AMT:

CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: Unknown

CWA CURR HPV/SNC FLAG: N

CWA 3YR QRTL COMPL STATUS:

U

CWA 3YR QRTS EFFL EXCEED:

### RCRIS INFO:

RCRA ID:

RCRA PERMIT TYPE:

NAICS CODE:

RCRA INSPS IN LAST 5 YRS:

RCRA DAYS LAST EVAL:

# RCRA INFORMAL ENF ACTS LAST 5 YRS:

# RCRA FORMAL ENF ACTS LAST 5 YRS:

RCRA DATE LAST FORMAL ACTION:

### RCRA TOTAL PENALTIES:

RCRA LAST PENALTY DATE:

RCRA LAST PENALTY AMT:

RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:

RCRA CURR HPV/SNC FLAG: N

RCRA 3YR QRTL COMPL STATU

### SDWA INFO:

SDWA ID:

SDWA SYST TYPE:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

SDWA CURR COMPL:

SDWA CURR HPV/SNC FLAG: N

### TRIS INFO:

TRIS ID:

TRIS TOTAL LBS ONSITE/OFFSITE:

TRIS LBS REL ONSITE:

TRIS LBS TXFR OFFSITE:

TRIS PAST RPTS?:

### FED ENF INFO:

TOTAL FEC CASES 5 YRS:

FEC LAST DATE:

FEC TOTAL PENLTY:

### GRN HOUSE GAS INFO:

GHG ID:

GHG EMISSIONS MT: N

### FRS ID NUMBER, NAME AND LOCATION:

110053859197

NORTH CENTRAL LANDFILL

, FL

EPA REG: 04

TRIBAL?: N

FED FAC?:

COUNTY:

AGENCY LAT/LON: 28.45743/ -82.409148

### MAP ID NUMBER:

Dist (Miles):

Direction:

7

E  
C  
H  
O

ECHO ON LINE REPORTS (May Not Be Available For All Records)

### GENERAL FACILITY INFO:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 10/2/2018

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AFS ID?: N  
NPDES ID?: N  
SDWISID?: Y  
RCRAInfo ID?: N  
TRIS ID?: N  
GHG ID?: N

FAC SIC CODES:  
FAC NAICS CODES:  
TRIS REPORTER?:  
FIPS CODE:  
HUC CODE:  
AIR NAA?  
WBD CODE:  
CONG DIST:  
CENSUS BLK:  
MAJ FAC?:  
ACTV PERM?:  
% MINORITY WITHIN 3 MI:  
POP /SQ MI WITHIN 3 MI:  
TRIBAL WITHIN 25 MI:

# INSPS IN 5 YRS: 0  
LAST INSP:  
DAYS LAST INSP:  
# INFORMAL ENF ACTS LAST 5 YRS : 0  
LAST INFORMAL ENF ACT :  
# FORMAL ENF ACTS LAST 5 YRS : 0  
LAST FORMAL ENF ACT :  
# PENALTIES ASSESSED LAST 5 YRS : 0  
TOTAL PENALTIES ASSESSED : 0  
LAST PENALTY AMT :

LAST EPA INSP:  
LAST STATE INSP:  
LAST FORMAL EPA ENF:  
LAST FORMAL STATE ENF:  
LAST INFORMAL EPA ENF:  
LAST INFORMAL STATE ENF:  
FAC FED AGENCY:  
FAC IMP WATERS DISCHARGER:

QTRS NONCMPL LAST 5 YRS: 0  
PGMS IN NONCOMPL: 0  
CURR COMPL: No Violation  
CURR IN SNC?: N  
3YR QRTLY COMPL STATUS:

### CLEAN AIR ACT INFO:

ICIS AIR ID:  
CAA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CAA INSPS IN LAST 5 YRS:  
CAA DAYS LAST INSPN:  
# CAA INFORMAL ENF ACTS LAST 5 YRS:  
# CAA FORMAL ENF ACTS LAST 5 YRS:  
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:  
CAA LAST PENALTY DATE:  
CAA LAST PENALTY AMT:  
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:  
CAA CURR HPV/SNC FLAG: N  
CAA 3YR QRTLY COMPL STATUS:

### CLEAN WATER ACT INFO:

NPDES ID:  
CWA PERMIT TYPE:  
NAICS CODE:  
SIC CODE:  
CWA INSPS IN LAST 5 YRS:  
CWA DAYS LAST INSPN:  
# CWA INFORMAL ENF ACTS LAST 5 YRS:  
# CWA FORMAL ENF ACTS LAST 5 YRS:  
CWA DATE LAST FORMAL ACTION:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:  
CWA QTRS NONCMPL LAST 5 YRS:

CWA CURR COMPL:  
CWA CURR HPV/SNC FLAG: N  
CWA 3YR QRTLY COMPL STATUS:  
  
CWA 3YR QRTS EFFL EXCEED:

### RCRIS INFO:

RCRA ID:  
RCRA PERMIT TYPE:  
NAICS CODE:  
RCRA INSPS IN LAST 5 YRS:  
RCRA DAYS LAST EVAL:  
# RCRA INFORMAL ENF ACTS LAST 5 YRS:  
# RCRA FORMAL ENF ACTS LAST 5 YRS:  
RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:  
RCRA LAST PENALTY DATE:  
RCRA LAST PENALTY AMT:  
RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:  
RCRA CURR HPV/SNC FLAG: N  
RCRA 3YR QRTLY COMPL STATU

### SDWA INFO:

### TRIS INFO:

### FED ENF INFO:



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/2/2018

ECHO Page 5 of 5

**SDWA ID:** FL6534091  
**SWDA SYST TYPE:** Non-Transient non-community system

**# SDWA INFORMAL ENF ACTS LAST 5 YRS:**

**# SDWA FORMAL ENF ACTS LAST 5 YRS:**

**SDWA CURR COMPL:** No Violation

**SDWA CURR HPV/SNC FLAG:** N

**TRIS ID:**  
**TRIS TOTAL LBS ONSITE/OFFSITE:**  
**TRIS LBS REL ONSITE:**

**TRIS LBS TXFR OFFSITE:**

**TRIS PAST RPTS?:**

**TOTAL FEC CASES 5 YRS:**

**FEC LAST DATE:**

**FEC TOTAL PENLTY:**

**GRN HOUSE GAS INFO:** **GHG ID:** No Violation

**GHG EMISSIONS MT:** N

DRAFT



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# ENVIRONMENTAL DATA MANAGEMENT

## Custom 1/8 Mile Research Proximal Site Summary Table

This table includes mapped sites whose plotted coordinates fall just outside of the ASTM or client defined research distance but whose property boundaries may still extend into the search area. These sites are typically large commercial or industrial tracts that may merit inclusion in the evaluation process. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 10/2/2018

Page 1 of 1

MapID Prgm List	Fac ID No	Site Dist(mi) & Direction	Site Name	Site Address
<b>1A</b>				
ECHO	110043769099	3.71 S	BARTOW AUTO SALVAGE	3450 US HIGHWAY 17 N BARTOW, FL 33830
ECHO	110044886004	3.71 S	SCRAP IT III LLC	3450 US HIGHWAY 17 N BARTOW, FL 33830
NONTSD	FLR000177469	3.71 S	BARTOW AUTO SALVAGE	3450 US HIGHWAY 17 N BARTOW, FL 338309235
<b>2A</b>				
LUST	8623579	3.65 S	CHRISTINAS MARKET-MATTIES GROCERY	3470 HWY 17 N BARTOW, FL 33830
TANKS	8623579	3.65 S	CHRISTINAS MARKET-MATTIES GROCERY	3470 HWY 17 N BARTOW, FL 33830
<b>3A</b>				
ECHO	110044265577	1.59 NW	SR 540 (WINTER LAKE RD) @ THORNHILL ROAD	UNKNOWN WINTER HAVEN, FL 33880



# ENVIRONMENTAL DATA MANAGEMENT

## Custom 1/8 Mile Research Non-Mapped Records Summary Table

This table is a listing of database records that have not been plotted within our mapping system and could exist within your Study Area. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 10/2/2018

Page 1 of 1

Pgm List & Fac ID No	Site Name	Site Address
<b>ECHO</b>		
110070097932	SUNTRAX TEST FACILITY	UNKNOWN AUBURNDALE, FL 33823
110070145352	JULIANA PHASE 1	UNKNOWN AUBURNDALE, FL 33823
<b>STCERC</b>		
NONE 533FDER	BARTOW LANDFILL-ABANDONED	HWY 17 BARTOW, FL

DRAFT





# Agency List Descriptions

USEPA and State Databases are updated on a quarterly basis. Supplemental Databases are updated on an annual basis.

## Florida Department of Environmental Protection (FDEP)

### State Designated Brownfields(BRWNFLDS)

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

**Agency File Date:** 7/19/2018

**Received by EDM:** 7/19/2018

**EDM Database Updated:** 7/19/2018

### Dry Cleaners List(DRY)

The FDEP Dry Cleaning Facilities List is comprised of data from the FDEP Storage Tank and Contamination Monitoring (STCM) database and the Drycleaning Solvent Cleanup Program- Priority Ranking List. It contains a listing of those Dry Cleaning sites (and suspected historical Dry Cleaning sites) who have registered with the FDEP and/or have applied for the Dry Cleaning Solvent Cleanup Program.

**Agency File Date:** 7/12/2018

**Received by EDM:** 8/1/2018

**EDM Database Updated:** 8/1/2018

### Institutional and/or Engineering Controls(INSTENG)

**Agency File Date:** 5/24/2018

**Received by EDM:** 6/7/2018

**EDM Database Updated:** 6/7/2018

### Leaking Underground Storage Tanks List(LUST)

The FDEP LUST list identifies facilities and/or locations that have notified the FDEP of a possible release of contaminants from petroleum storage systems. This Report is generated from the FDEP Storage Tank and Contamination Monitoring Database (STCM).

**Agency File Date:** 7/27/2018

**Received by EDM:** 7/27/2018

**EDM Database Updated:** 7/27/2018

### Solid Waste Facilities List(SLDWST)

The FDEP SLDWST list identifies locations that have been permitted to conduct solid waste handling activities including Landfills, Transfer Stations and sites handling Bio-Hazardous wastes. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

**Agency File Date:** 7/19/2018

**Received by EDM:** 7/19/2018

**EDM Database Updated:** 7/19/2018

### State CERCLIS/SEMS Equivalent(STCERC)

The STCERC list is compiled from the FDEP Site Investigation Section list, the Florida SITES list(historical) and the FDEP Cleanup Sites list. These sites are being assessed and/or cleaned up as a result of identified or suspected contamination from the release of hazardous substances. The FDEP Cleanup Sites list programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

**Agency File Date:** 7/18/2018

**Received by EDM:** 7/18/2018

**EDM Database Updated:** 7/19/2018

### State NPL Equivalent(STNPL)

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

**Agency File Date:** 2/1/2018

**Received by EDM:** 6/7/2018

**EDM Database Updated:** 6/8/2018

### Underground/Aboveground Storage Tanks(TANKS)

The FDEP TANKS list contains sites with registered aboveground and underground storage tanks containing regulated petroleum products.

**Agency File Date:** 9/10/2018

**Received by EDM:** 9/18/2018

**EDM Database Updated:** 9/19/2018

### Voluntary Cleanup List(VOLCLNUP)

The VOLCLNUP List is derived from the FDEP Brownfields Site Rehabilitation Agreement (BSRA) database and the FDEP Office of Waste Cleanup Responsible Party Sites database. This list identifies those sites that have signed an agreement to Voluntarily cleanup a site and/or sites where legal responsibility for site rehabilitation exists pursuant to Florida Statutes and is being conducted either voluntarily or pursuant to enforcement activity.

**Agency File Date:** 7/19/2018

**Received by EDM:** 7/19/2018

**EDM Database Updated:** 7/19/2018

## United States Environmental Protection Agency (EPA)

### Comprehensive Env Response, Compensation & Liability Information System List(CERCLIS)

The US EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are proposed to be on the NPL, are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. The CERCLIS database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

**Agency File Date:** 11/12/2013

**Received by EDM:** 2/18/2016

**EDM Database Updated:** 2/18/2016

## RCRIS Handlers with Corrective Action(CORRACTS)

The US EPA Corrective Action Sites (CORRACTS) database is a listing of hazardous waste handlers that have undergone RCRA corrective action activity.

**Agency File Date:** 9/17/2018

**Received by EDM:** 9/19/2018

**EDM Database Updated:** 9/20/2018

## Enforcement and Compliance History(ECHO)

The US EPA Enforcement and Compliance History Online (ECHO) database provides integrated compliance and enforcement information on facilities regulated under the Clean Air Act (CAA), Clean Water Act (CWA), Safe Drinking Water Act (SDWA) and Resource Conservation and Recovery Act (RCRA).

**Agency File Date:** 7/14/2018

**Received by EDM:** 7/19/2018

**EDM Database Updated:** 7/23/2018

## Emergency Response Notification System List(ERNS)

The Emergency Response Notification System (ERNS) database stores information on oil discharges and hazardous substance releases. The ERNS program is a cooperative data sharing effort among the EPA, DOT and the National Response Center (NRC), which currently provides access to this data.

**Agency File Date:** 7/29/2018

**Received by EDM:** 8/1/2018

**EDM Database Updated:** 8/3/2018

## Archived Cerclis Sites(NFRAP)

The US EPA NFRAP list contains archived data of CERCLIS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. NFRAP sites may be reviewed in the future to determine if they should be returned to CERCLIS based upon newly identified contamination problems at the site. The NFRAP database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

**Agency File Date:** 10/25/2013

**Received by EDM:** 2/18/2016

**EDM Database Updated:** 2/18/2016

## RCRA-LQG,SQG,CESQG and Transporters(NONTSD)

The EDM NONTSD list is a subset of the US EPA RCRAInfo System and identifies facilities that generate and transport hazardous wastes. These facilities may be Large Quantity Generators (LQG), Small Quantity Generators (SQG), Conditionally Exempt SQG's (CESQG) as well as "Non-Notifiers" and "Non-Handlers".

**Agency File Date:** 9/17/2018

**Received by EDM:** 9/24/2018

**EDM Database Updated:** 9/27/2018

## National Priorities List(NPL)

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL Report includes sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list. Previously, information for the NPL was managed under the CERCLIS data management system. In 2014 this system was replaced with the Superfund Enterprise Management System (SEMS). EPA last updated CERCLIS in November of 2013. EDM's NPL Report contains available SEMS data and the archived CERCLIS data relative to NPL sites.

**Agency File Date:** 7/17/2018

**Received by EDM:** 8/8/2018

**EDM Database Updated:** 8/14/2018

## NPL Liens List(NPLLIENS)

The US EPA NPL Liens List identifies those sites where under authority granted by CERCLA, liens have been filed against real property in order to recover expenditures from remedial action or when the property owner receives a notice of potential liability.

**Agency File Date:** 4/11/2018

**Received by EDM:** 5/2/2018

**EDM Database Updated:** 5/2/2018

## Superfund Enterprise Management System Active Site Inventory List(SEMSACTV)

The US EPA Superfund Enterprise Management System (SEMS) tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. The SEMSACTV list contains sites that are on the National Priorities List (NPL) as well as sites that are proposed for or in the screening and assessment phase for possible inclusion on the NPL. SEMS has replaced the CERCLIS database, which was retired in November of 2013.

**Agency File Date:** 6/8/2018

**Received by EDM:** 8/6/2018

**EDM Database Updated:** 8/7/2018

## Superfund Enterprise Management System Archived Site Inventory List(SEMSARCH)

The US EPA Superfund Enterprise Management System (SEMS), contains archived data of CERCLIS or SEMS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. These sites may be reviewed in the future to determine if they should be returned to SEMS based upon newly identified contamination problems at the site. SEMS has replaced the CERCLIS database, which was retired in November of 2013. The SEMSARCH database contains these newly archived records under the SEMS database management system.

**Agency File Date:** 6/8/2018

**Received by EDM:** 8/6/2018

**EDM Database Updated:** 8/7/2018

## Tribal Lust List(TRIBLLUST)

EDM's Tribal LUST list is derived from the USEPA Region IV Tribal Tanks database by extracting those sites with indicators of past and/or current releases.

**Agency File Date:** 2/24/2010

**Received by EDM:** 3/9/2010

**EDM Database Updated:** 3/9/2010

## Tribal Tanks List(TRIBLTANKS)

The USEPA Region IV Tribal Tanks database lists Active and Closed storage tank facilities on Native American lands.

**Agency File Date:** 2/24/2010

**Received by EDM:** 3/9/2010

**EDM Database Updated:** 3/9/2010



### RCRA-Treatment, Storage and/or Disposal Sites(TSD)

The EDM TSD list is a subset of the US EPA RCRAInfo system and identifies facilities that Treat, Store and/or Dispose of hazardous waste.

**Agency File Date:** 9/17/2018

**Received by EDM:** 9/24/2018

**EDM Database Updated:** 9/27/2018

### Brownfields Management System(USBRWNFLDS)

The US EPA Brownfields program provides information on environmentally distressed properties that have received Grants or Targeted funding for cleanup and redevelopment . Tribal Brownfield sites are included in the USBRWNFLDS database.

**Agency File Date:** 7/24/2018

**Received by EDM:** 7/24/2018

**EDM Database Updated:** 7/25/2018

### Institutional and/or Engineering Controls(USINSTENG)

The USINSTENG list is compiled from data elements contained in the NPL, CORRACTS and USBRWNFLDS lists.

**Agency File Date:** 9/17/2018

**Received by EDM:** 9/19/2018

**EDM Database Updated:** 9/20/2018

# Environmental Impact Areas

## Brownfield Areas and Sites

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

**Agency File Date:** 1/6/2017

**Received by EDM:** 12/28/2016

**EDM Database Updated:** 1/6/2017

<https://floridadep.gov/waste/waste-cleanup/content/brownfields-program>

## Cattle Dipping Vats

From the 1910's through the 1950's, 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.

Some of the sites have been located and are currently under investigation. However, most of the listings are from old records of the State Livestock Board, which listed each vat as it was put into operation. In addition, some privately operated vats may have existed which were not listed by the Livestock Board. EDM's Cattle Dipping Vat sites are retrieved from the Voluntary Cleanup and STCERC databases. For additional information on Cattle Dipping Vats visit the FDEP and FDOH websites at:

**Agency File Date:** 9/21/2016

**Received by EDM:** 9/30/2016

**EDM Database Updated:** 9/30/2016

<https://floridadep.gov/waste/district-business-support/content/cattle-dipping-vats-cdv>

<http://www.floridahealth.gov/environmental-health/drinking-water/cattledipvathome.html>

## Formerly Used Defense Sites

The DoD is responsible for the environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and operated under the jurisdiction of the Secretary of Defense prior to October 1986. Such properties are known as Formerly Used Defense Sites (FUDS). The Army is the executive agent for the program and the U.S. Army Corps of Engineers manages and directs the program's administration. For more information on the FUDS Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

**Agency File Date:** 11/22/2016

**Received by EDM:** 1/27/2017

**EDM Database Updated:** 1/27/2017

<http://www.usace.army.mil/Missions/Environmental/Formerly-Used-Defense-Sites/>

## FUDS Munitions Response Sites

The DoD developed the Military Munitions Response Program (MMRP) in 2001 to address munitions-related concerns, including explosive safety, environmental, and health hazards from releases of unexploded ordnance (UXO), discarded military munitions (DDM), and munitions constituents (MC) found at locations, other than operational ranges, on active and Base Realignment and Closure (BRAC) installations and Formerly Used Defense Sites (FUDS) properties. The MMRP addresses non-operational range lands with suspected or known hazards from munitions and explosives of concern (MEC) which occurred prior to September 2002, but are not already included with an Installation Response Program (IRP) site cleanup activity. For more information on the FUDS MMRP Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

**Agency File Date:** 11/22/2016

**Received by EDM:** 1/27/2017

**EDM Database Updated:** 1/27/2017

<http://www.asaie.army.mil/Public/ESOH/mmrp.html>

## Groundwater Contamination Areas

The Ground Water Contamination Areas GIS layer is a statewide map showing the boundaries of delineated areas of known groundwater contamination pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting In Delineated Areas. 38 Florida counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. This GIS layer represents approximately 427,897 acres in 38 counties in Florida that have been delineated for groundwater contamination. However, it does not represent all known sources of groundwater contamination for the state of Florida.

This information is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

**Agency File Date:** 10/15/2010

**Received by EDM:** 3/25/2013

**EDM Database Updated:** 3/26/2013

<https://floridadep.gov/water/source-drinking-water/content/delineated-areas>



## National Priorities List

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL site boundaries data include sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list.

**Agency File Date:** 3/26/2007

**Received by EDM:** 8/3/2008

**EDM Database Updated:** 8/3/2008

<https://www.epa.gov/superfund/search-superfund-sites-where-you-live>

## State Funded Cleanup Sites

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

**Agency File Date:** 8/1/2007

**Received by EDM:** 8/4/2008

**EDM Database Updated:** 8/4/2008

<https://floridadep.gov/waste/waste-cleanup/documents/state-funded-cleanup-program-site-list>

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# **CSER APPENDIX E**

## Site Photographs



## **Site Photographs**



**US 17 looking north-northeast, south project limit**



**US 17 looking south-southwest, south project limit**



**North of Old Bartow Eagle Lake Road looking north along the project corridor, south end of project**



**Piezometer within proposed ROW located approximately 0.60 miles north of Old Bartow Eagle Lake Road**





**Southern area of project looking south**



**Southern area of project looking north**



**Structure and agricultural tank located within proposed ROW, south-central area of project**



**Structures and agricultural tanks located within proposed ROW, south-central area of project**





**Central portion of the project looking north**



**Thornhill Road looking south, central portion of the project**



**Thornhill Road looking north, north-central portion of the project**



**North portion of the project looking north**





**Piezometer located adjacent west of Thornhill Road, north portion of project**



**Central Polk Parkway entrance ramp/toll booth, north area of the project**



**Central Polk Parkway looking south, northeast project limit**



**Central Polk Parkway looking east, northwest project limit**



### Medium and High Risk Rated Sites

Please note: Photos of Site 13 are not included since property access was not permitted



Site 7 – Polk County North Central Landfill: South boundary (entrance) looking north



Site 8 – Former Railroad Tracks: within former railroad tracks looking east, south end of project



**Site 11 - Former Old Florida Plantation Property (AKA Clear Springs Mine): south portion of the project looking northwest toward land formerly used as a phosphate mine**



**Site 11 - Former Old Florida Plantation Property (AKA Clear Springs Mine): Piezometer within proposed ROW located approximately 0.60 miles north of Old Bartow Eagle Lake Road**





**Site 14 - Bridge No. 160265: north of the bridge looking south**



**Site 15 - Bridge No. 160266: north of bridge looking south**



**Site 16 - Bridge No. 160267: northeast of bridge looking south**



**Site 17 - Bridge No. 160268: north of bridge looking south**



**CSER APPENDIX F**  
Supplemental Information

## Email Correspondence



## Justin Holley

---

**From:** Andrews, Brenda <Brenda.Andrews@flhealth.gov>  
**Sent:** Wednesday, April 03, 2019 10:21 AM  
**To:** Chris Garth  
**Subject:** FW: (19 03 ERCWEB 060 R) Radiation Monitoring former Phosphate Mine \_ Polk County  
**Attachments:** north of US 17 and south of existing CPP.kmz

Good Morning Mr. Garth:

Thank you for contacting the Bureau of Radiation Control. According to our Environmental Radiation Section, we have no data points for the mine referenced below as it was closed long before pre and post mining began.

Sincerely,

*Brenda Andrews*

Brenda P. Andrews, Management Review Specialist  
Personnel Liaison  
Six Sigma Green Belt Certified  
Bureau of Radiation Control  
4052 Bald Cypress Way, Bin C-21  
Tallahassee, FL 32399  
Telephone: 850.901.6568 Cell: 850-528-4691 Fax: 850.617.6443

Please consider the environment before printing this email.

**Department of Health Mission:**

To protect, promote & improve the health of all people in Florida through integrated state, county, & community efforts.

How am I doing? Please let me know by taking this short survey. Thank you! <https://www.surveymonkey.com/r/fpgmqlw>

\*\*\*\*\*

Please note: Florida has a very broad public records law. Most written communications to or from state employees regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

---

**From:** Chris Garth [<mailto:cgarth@tierraeng.com>]  
**Sent:** Thursday, March 28, 2019 8:39 AM  
**To:** zzzz Feedback, HSER <[HSER.zzzzFeedback@flhealth.gov](mailto:HSER.zzzzFeedback@flhealth.gov)>  
**Subject:** (19 03 ERCWEB 060 I) Radiation Monitoring former Phosphate Mine \_ Polk County

Sir/Madam,

I am performing a Contamination Screening Evaluation for a project corridor approximately 6 miles long, located north of US 17 and south of the existing Polk Parkway (see attached file) located just north of Bartow in Polk County. I am in search of any radiation/radon air, soil and/or groundwater assessments and/or testing results within or near (within ¼ mile) the project corridor. We understand the area was formerly a phosphate mine and that radium

testing is required pre and post mining, and post reclamation. Any assessments/test results for radium/radon is helpful. If you do not have this information, I would appreciate if you could provide a name/contact who might have this info. Please call or email if you have questions or concerns.

Thanks,  
Chris Garth, LEP  
Senior Scientist

**TIERRA, INC.**

7351 Temple Terrace Highway | Tampa, Florida 33637  
T 813.989.1354 | F 813.989.1355 | C 813.766.0269  
[cgarth@tierraeng.com](mailto:cgarth@tierraeng.com) | [www.tierraeng.com](http://www.tierraeng.com)  
geotechnical environmental materials engineering

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## Site No. 7: Polk County North Central Landfill

**POLK COUNTY NORTH CENTRAL LANDFILL  
SITE ASSESSMENT PLAN  
IN THE FORMAT OF  
CHAPTER 62-780.600(8) FAC**

*Prepared for:*

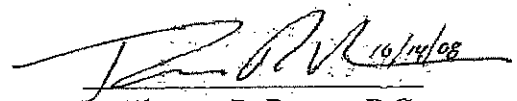
**POLK COUNTY  
BOARD OF COUNTY COMMISSIONERS**  
10 Environmental Loop  
Winter Haven, Florida 33880-1069

*Prepared by:*

**JONES EDMUNDS & ASSOCIATES, INC.**  
730 NE Waldo Road  
Gainesville, Florida 32641

Certificate of Authorization #1841  
Certificate of Authorization #133

October 2008



Thomas R. Brown, P.G.  
Florida P.G. No. 2486



## INTRODUCTION

On behalf of Polk County, Jones Edmunds & Associates, Inc. prepared this contaminant evaluation plan in response to the Florida Department of Environmental Protection's Notice of Evaluation Monitoring Letter for the North Central Landfill (NCLF) dated April 29, 2008.

The April 29, 2008 Notice cites detections of Iron in 22 wells, Total Dissolved Solids (TDS) in 17 wells, Arsenic in 3 wells, Ammonia in 2 wells, Antimony in 1 well, and Benzene in 1 well as justification for initiating evaluation monitoring in compliance with Rule 62-701.510(7) FAC at the NCLF for 25 wells. A copy of this Notice is included in Attachment A.

Jones Edmunds responded to the Notice in a letter dated May 14, 2008 which requested that FDEP re-evaluate the requirement for initiating evaluation monitoring. The May 14, 2008 letter outlined the justification for questioning the applicability of evaluation monitoring for the NCLF and a more detailed justification was submitted on July 2, 2008 including supporting data. These submittals presented data and conclusions that demonstrated that the NCLF is already in compliance with Rule 62-701.510(7)(a) FAC and no action is required by that Rule based on the data collected up to and including the first semiannual event of 2008. To date, the County has not received a written response to these submittals and has therefore assumed that a contaminant evaluation plan is required.

E-mail correspondence with FDEP dated July 17, 2008 led to the removal of the requirement to install a compliance well associated with DW-1. A copy of this correspondence is included in Attachment A. The constituents of concern (COC) for the NCLF evaluation monitoring are established as Iron, TDS, Arsenic, and Ammonia. Antimony was removed in the July 17, 2008 FDEP e-mail, and Benzene should be removed because it has not been detected in nearly 2 years and compliance monitoring did not detect it at the zone of discharge or in the detection wells.

The final contamination evaluation report under Rule 62-701.510(7)(a)4 FAC will be required to be compliant with a Chapter 62-780 FAC Site Assessment Report (SAR). This contaminant evaluation plan (this document) has been submitted in the format of a Rule 62-780.600 FAC SAR. In effect, the plan outlines how each requirement of the SAR under Rule 62-780.600(8) FAC will be assessed.

As FDEP requested, this document has been submitted in one hard-copy with an additional copy in electronic (pdf) format.

## RULE 62-780.600(8)(a) FAC—SUMMARY OF SITE-ASSESSMENT ACTIVITIES

### 1.0 SITE HISTORY AND OPERATIONS

#### 1.1 PRESENT REAL PROPERTY AND FACILITY OWNERS

The present real property and facility owner is the Polk County Board of County Commissioners which purchased the property from Agrico Chemical Company. A copy of the Warranty Deed and boundary survey for the NCLF property was submitted in the solid waste permit expansion application (Jones Edmunds, 2005) and is included in this document as Attachment B.

#### 1.2 PAST AND PRESENT OPERATIONS

According to the Warranty Deed (see Attachment B), the site was mined for phosphate and was no longer in natural condition before the County acquired it. According to the Florida Bureau of Mine Reclamation, the remaining reclamation requirements for this mine (Saddle Creek Mine) were released to allow for the landfill expansion. This variance was based on the industrial nature of the landfill. Based on topography, several parts of the site were used as phosphate strip-mine and mine-related stockpiling before the site was permitted for landfiling. The NCLF is an active municipal solid waste disposal facility which has been in operation since its acquisition in 1977.

#### 1.3 PRODUCTS, BY-PRODUCTS, AND WASTES GENERATED

The facility has been operated as a landfill since 1977. Therefore, no products have been used or manufactured nor have any byproducts and wastes been generated during the life of the facility. Before 1977 the site was a phosphate mine and the resulting spoil remains on-site and at least partially un-reclaimed.

#### 1.4 CURRENT AND PAST ENVIRONMENTAL PERMITS AND ENFORCEMENT ACTIONS

The site is currently operated and monitored under Solid Waste Permit Number 31164-009-SO, issued by FDEP on March 28, 2007. A short summary of enforcement actions will be included in the SAR.

#### 1.5 KNOWN SPILLS OR RELEASES OF MATERIALS

There are no unreported significant spills or releases of materials that may be potential contaminant sources. Leachate spills have occurred on-site as previously reported to FDEP.



compliance wells were developed using the surge-and-purge method by the driller to a turbidity measurement to 2 NTU or until stability was reached as determined by a Jones Edmunds Geologist.

The new compliance wells and the wells cited in the FDEP Notice were sampled and analyzed for the parameters listed in Rules 62-701.510(8)(a) and 8(d) FAC. Well sampling records are included in Attachment J and the results of the sampling are included in Attachment K.

## 7.0 DATA

Attachment H includes the latitude and longitude of each of the compliance wells as surveyed on July 31, 2008 by Keith and Schnars, P.A. The survey is provided relative to the National Geodetic Vertical Datum of 1929 and meets the specification listed in Rule 62-780.600(5)(j) FAC. The Site Assessment Report will include a signed and sealed survey of these locations.

## 8.0 WELL CONSTRUCTION DETAILS WITH WATER-LEVEL ELEVATIONS

Well construction details, including the datum (top-of-casing) elevation and the screened interval of each well, are provided in Attachment L, Table 8-1. Water-level elevations and depth-to-water measurements from the first semiannual monitoring event of 2003 (03S1) to the initial evaluation monitoring event of July 2008 are provided in Attachment L, Tables 8-2 and 8-3. A hydrograph of the surficial aquifer from 03S1 to the initial evaluation monitoring event of July 2008 is presented in Attachment L, Figures 8-1a and 8-1b.

## 9.0 WATER-LEVEL ELEVATION CONTOUR MAPS

Semiannual groundwater contour maps for the surficial aquifer from 03S1 to 08S1 were provided in the solid waste permit expansion application (Jones Edmunds 2005) and in subsequent routine sampling reports and are included in this document as Attachment M. The groundwater contour map of the July 2008 evaluation monitoring event is included as Figure 9-1. Please note that the compliance well water level data were not used in drafting the contour map because the scale of the map places the compliance wells very close to the detection wells.

Groundwater flow in the surficial aquifer at the landfill is to the southwest with moderate mounding occurring directly under the Phase III area. The current monitoring well network has detection wells on the west and south boundaries of the solid waste area and on the east, west, and south boundaries of the Phase III area. Upgradient background wells are north and east of the solid waste disposal areas.

The screened intervals of the surficial detection wells are designed so that the potentiometric surface encounters the screen. The screened intervals for the compliance wells were designed to encounter the saturated zone in the detection wells. While installing the compliance wells, the observing geologists noted that the samples were dry until a saturated zone was encountered below the established potentiometric surface. Once this saturated zone was encountered, the well

### 27.3 IMPLICATIONS OF MONITORING RESULTS

Groundwater at and around the NCLF is under lands controlled by the site owner (Polk County), and exposure to this groundwater is limited to the sampling professionals under contract with the County. Because exposure is limited, alternative Cleanup Target Levels (CTL) are proposed under the following justification:

- Rule 62-780.650 or 680 FAC allows for alternate CTL as listed in Chapter 62-777 FAC, Table I.
- Chapter 62-777 FAC states that the CTL are the higher of Florida's drinking water standards or background—unless the aquifer is “low yield” *or* “poor quality” in which case the CTL are as listed in Table I of the referenced Chapter.
- *Low Yield* is defined in Rule 62-780.200(27) FAC, which includes a requirement of an average hydraulic conductivity of 1.0 foot/day. While the onsite wells have very low recharge rates, the average hydraulic conductivity has been calculated as 2.17 feet/day. Therefore, this aquifer does not qualify as a ‘low yield’ aquifer.
- *Poor Quality* is defined in Rule 62-780.200(35) FAC as groundwater having background concentrations that exceed Florida's primary or secondary drinking water standards. Of the COC, both Iron and TDS in the background include concentrations over their respective secondary drinking water standard. Therefore, the surficial aquifer at the NCLF is of poor quality and the alternative CTLs apply.
- The alternate CTL for the NCLF COC in groundwater of poor quality, as listed in Chapter 62-777 FAC, Table I, are:
  - Iron at 3,000 µg/L
  - Arsenic at 100 µg/L
  - TDS at 5,000 mg/L
  - Ammonia at 28 mg/L

Table 27-1 includes all detections of the listed COC found above the alternative CTL, as allowed under Chapter 62-777 FAC.

### 28.0 WELL LOCATION MAP WITH ISOCONCENTRATION CONTOURS

Iron is the only detected parameter which exceeded its corresponding CTL, as determined under Chapter 62-777 FAC, and the only location where the CTL is at the zone of discharge is in the Phase III Landfill area. Because the source of the Iron is known to be the fill material used to build the site up to grade, the extent of the CTL exceedances can be estimated as shown in Figure 28-1. Please notice the similarity of the patterns of Iron concentrations in Figure 28-1 with the locations where unsuitable soils (carbon-rich organic mucks) were located in the Phase III application. Drawing C-5 from the Phase III application, included as Attachment N, depicts the unsuitable soils and wetland locations for the pre-construction site as the hatched area.



As the Figure 28-1 shows, none of the CTL exceedances from the Phase III site can be expected to migrate across the gradient barrier imposed by the perimeter ditch because the ditch extends below the saturated unit of the shallow aquifer. This isoconcentration map includes the data collected in July 2008.

## 28.1 SUMMARY

Based on the alternate CTL specified in Table I of Chapter 62-777 FAC, Iron is the only parameter detected in any detection or compliance wells at the NCLF that might require a remedial strategy; all other parameters fit within the No Further Action criteria of Subsection 62-780.680(1)(c) FAC because they were not detected above the CTL anywhere on-site.

## 28.2 CONTAMINANT ASSESSMENT PLAN

Using Iron as the COC, Jones Edmunds proposes four possible courses of action. Of these, it appears that the most valid is No Further Action based on the Background Demonstration (28.2.3).

### 28.2.1 No Further Action Based on Secondary Standards Exemption

The initial landfill permit and discharge allowance were issued in 1977. Because the NCLF can be defined as an existing installation, it should be exempt from compliance with secondary standards such as Iron, as allowed under Rule 62-520.520(1) FAC. Because Iron is the only parameter detected above the CTL listed in Chapter 62-777 FAC and the site is exempt from compliance with the standards set for Iron, the facility should be allowed to be released from further action for this contaminant assessment.

### 28.2.2 Extension of Zone of Discharge based on the Nature of Discharge

The *Justification for Not Implementing an Evaluation Monitoring Program at Polk County North Central Landfill* (Jones Edmunds 2008) demonstrates that the detections of Iron, Arsenic, Ammonia, and TDS are caused by the soils, including the disturbed in-situ soils and the soils from off-site borrow areas, used to build the site to grade and not from the discharge of waste or waste constituents into the groundwater. If the facility is to be regulated based on discharges from clean fill, the zone of discharge should be based on the limits of the imported soils. Under this course of action, the zone of discharge will be relocated to 100 feet beyond the limits of the regraded areas and soil stockpiles.

### 28.2.3 No Further Action Based on the Background Demonstration

The *Justification for Not Implementing an Evaluation Monitoring Program at Polk County North Central Landfill* (Jones Edmunds, 2008) compared data collected after waste placement with data collected before waste placement, which clearly demonstrates that there are no discernable impacts from waste or waste constituents in the groundwater. Using the scientifically preferred

method of intra-well comparisons, these detections should be considered background and, in accordance with Chapter 62-520 FAC, are not violations of the FDEP water quality standards or criteria.

Please note that EPA's *MSW Landfill Criteria Technical Manual Chapter 5 Subpart E Ground-Water Monitoring and Corrective Action* (available on the EPA website at: <http://www.epa.gov/garbage/landfill/techman/subparte.pdf>) states that the purpose of groundwater monitoring at solid waste facilities is to *intercept ground water that has been contaminated by leachate from the MSWLF unit*. This is mirrored in FDEP Rule 62-701.340(1) FAC, which states that the performance standard of the landfill is to *control the movement of waste and waste constituents into the environment*. The detections at NCLF, particularly at the Phase III expansion, have been proven to not have been contaminated by leachate or any other waste by-product from the MSWLF unit because no waste had been disposed of in the unit when the first "hits" were recorded. The EPA technical manual also states, on page 222, paragraph 3: *If the facility is new, ground-water samples collected from both upgradient and downgradient locations prior to waste disposal can be used to establish background water quality*.

Because there are no violations of FDEP water quality standards or criteria based on a valid comparison of EPA-approved background, no further action is warranted and the evaluation monitoring program should be terminated.

#### 28.2.4 Natural Attenuation with Monitoring Using an Alternative Point of Compliance and an Alternative Evaluation Monitoring List

Because Rule 62-777.150(7) FAC specifies that alternate CTL do not establish standards under Chapter 62-520 FAC, the use of alternate CTL does not allow the site to resume routine monitoring unless the standards listed in Chapter 62-520 FAC are met at the zone of discharge. While Chapter 62-780 FAC allows for alternate CTL that will continue to remove Arsenic, Ammonia, and Total dissolved solids from the COC list, if the zone of discharge is not modified the site will be forced to enter evaluation monitoring at every sampling event even though Chapter 62-780 FAC allows No Further Action for these parameters.

Under this course of action, Polk County will propose to submit a permit modification for the NCLF to adjust the zone of discharge based on the following:

- Rule 62-701.340(5) FAC allows a modification of the zone of discharge for solid waste facilities in accordance with Rule 62-522.500 FAC.
- Rule 62-522.500(1) FAC allows the permittee to petition for a modification of the zone of discharge based on monitoring data that indicate that the existing zone of discharge is or may be violated. (NCLF can establish that monitoring data indicate that Arsenic, Ammonia, Total dissolved solids, and Iron will continue to be detected at the current concentrations at the existing zone of discharge near Phase III and Phase II.)



- Rule 62-522.410(c) FAC allows for an alternate zone of discharge where multiple sites occur “within close proximity.” The alternate zone of discharge may be beyond 100 feet from the site boundary based on Rule 62-522.410(b) FAC. The permit modification application will establish that:
  - Expanding the zone of discharge will not cause violations in present or future potable water supplies.
  - Expanding the zone of discharge will not interfere with existing or designated uses of contiguous waters.
  - The economic and social benefits of expanding the zone of discharge will outweigh the economic, environmental, and social costs.
- The NCLF is composed of multiple sites with a downgradient boundary where CTL are not violated. The alternate zone of discharge will likely be proposed at the current zone of discharge along the northern, western, and the southern boundaries. The zone of discharge may be proposed beyond the “100 feet from the solid waste boundary” along the eastern and southeastern boundary of the site—likely at the perimeter ditch of Phase III. Surface water sampling may be proposed in the perimeter ditch to ascertain whether contamination is getting into the stormwater control system. Additional background wells may be proposed within the property boundary on the eastern boundary to establish an overall gradient to the southeast.

Table 27-1 Results in Comparison to Alternative CTL	
COC	Iron
CTL	3,000 µg/L
CW-15	3,390 µg/L
CW-16	23,500 µg/L
CW-17	53,800 µg/L
CW-18	40,200 µg/L
CW-20	85,100 µg/L
SW-12A	7,180 µg/L
SW-101	4,160 µg/L
SW-102	38,400 µg/L
SW-103	5,860 µg/L
SW-104	59,400 µg/L
SW-105	21,800 µg/L
SW-106	68,700 µg/L
SW-107	41,000 µg/L
SW-108	26,000 µg/L
SW-109	7,860 µg/L



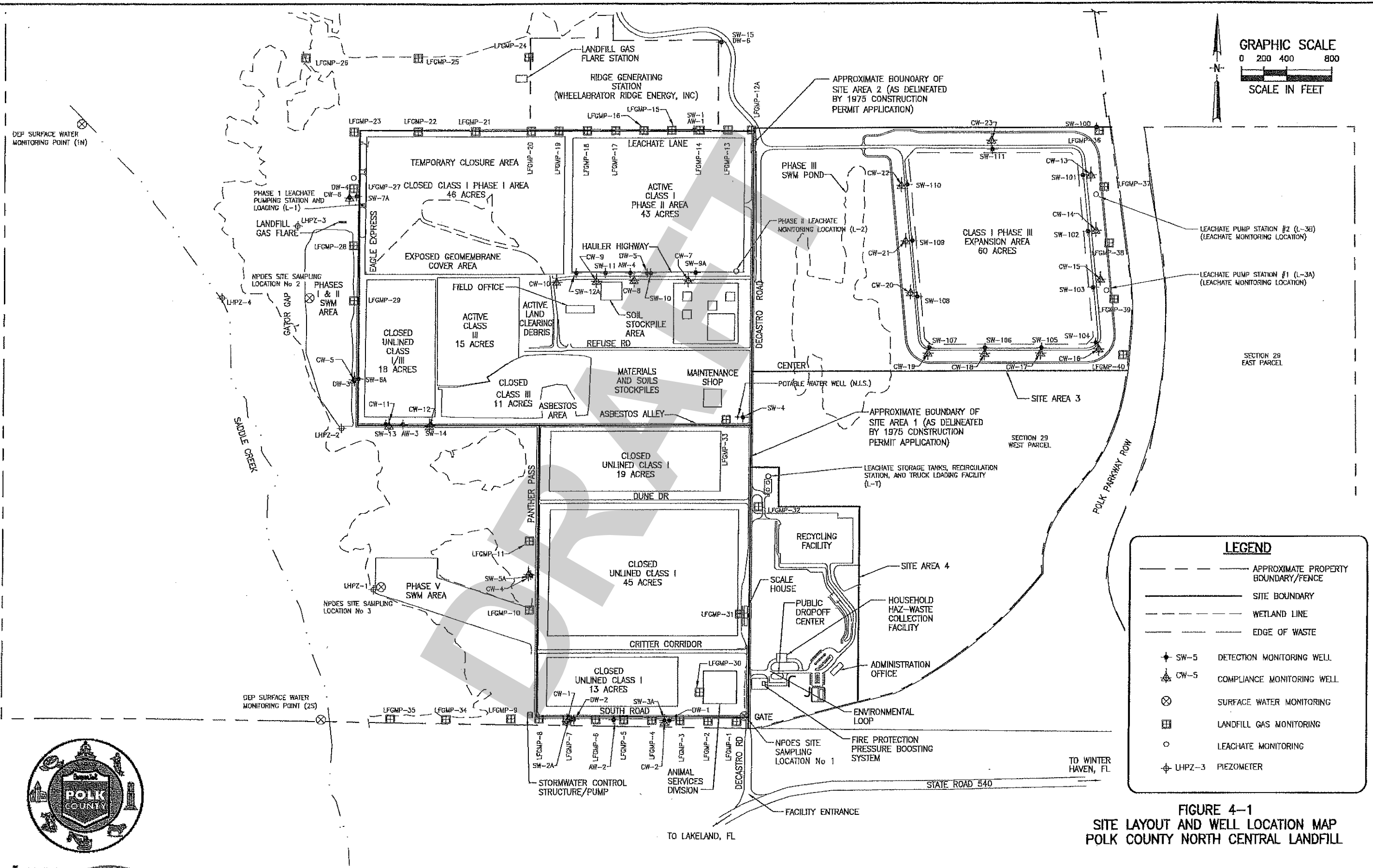
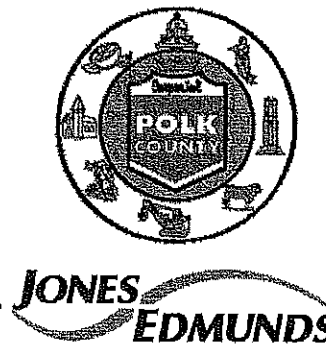


FIGURE 4-1  
SITE LAYOUT AND WELL LOCATION MAP  
POLK COUNTY NORTH CENTRAL LANDFILL



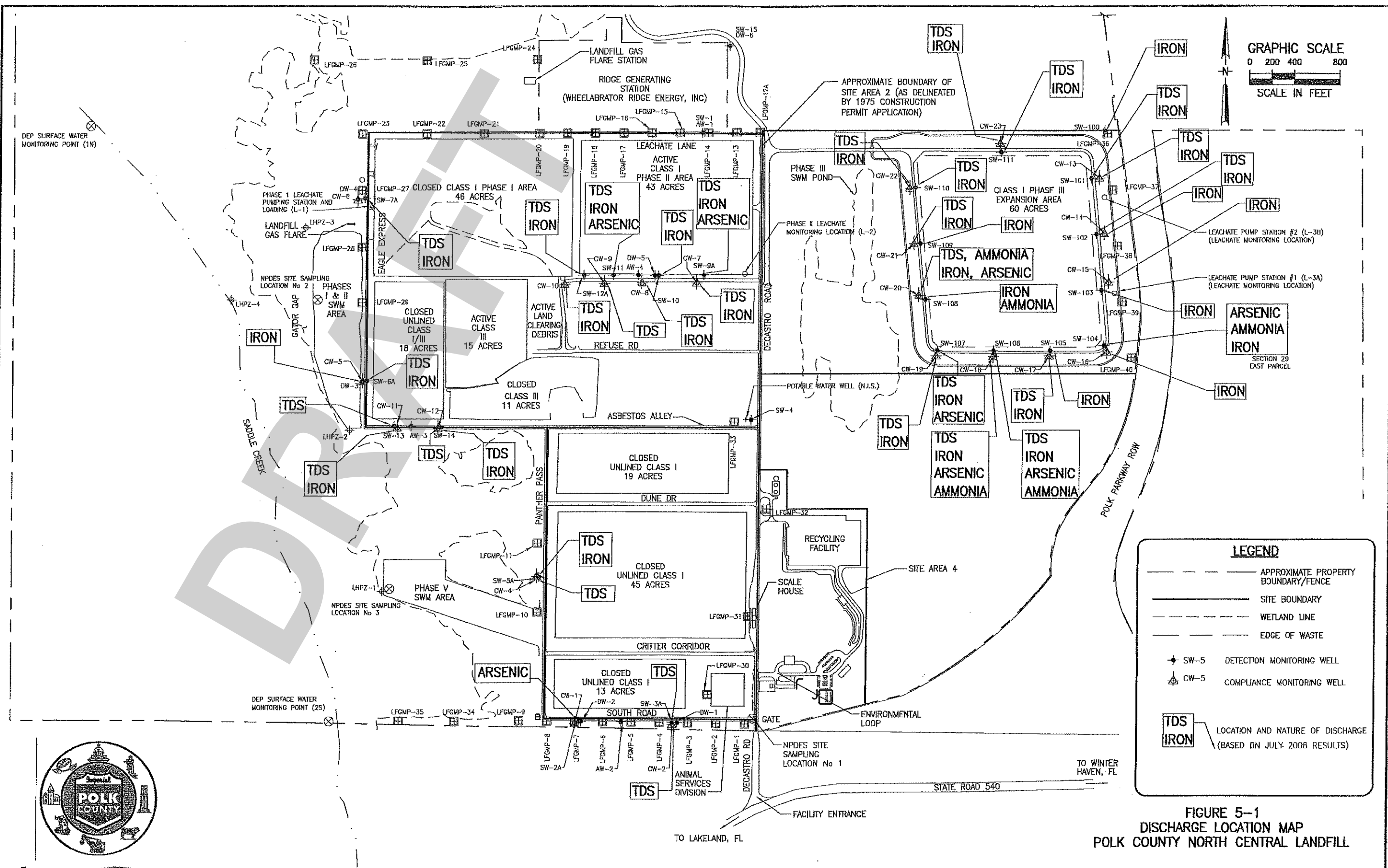
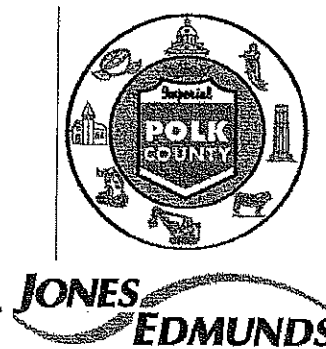
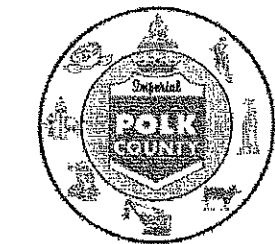
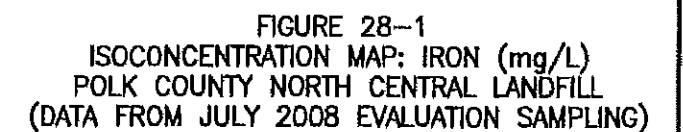


FIGURE 5-1  
DISCHARGE LOCATION MAP  
POLK COUNTY NORTH CENTRAL LANDFILL













**WASTE & RECYCLING DIVISION**

**POLK COUNTY  
NORTH CENTRAL CLASS 1 LANDFILL  
SITE 201**

**COMPLIANCE MONITORING REPORT  
FIRST SEMIANNUAL 2018**

WACS Facility ID: 49722  
FDEP Permit No. 31164-029-S0-01

Prepared by:

**POLK COUNTY  
Waste & Recycling Division  
Engineering Section**

**July 6, 2018**



Mr. Steven Tafuni, Compliance Assurance  
FDEP – Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

RE: Polk County North Central Class I Landfill Site (Site #201)  
Compliance Monitoring Report - First Semiannual 2018  
Permit No. 31164-029-S0-01  
WACS Facility ID: 49722

Dear Mr. Tafuni,

This report presents data from the First Semiannual 2018 sampling event performed on April 25, April 30, and May 1, 2, 7, and 9, 2018 at the Polk County, North Central Landfill by Advanced Environmental Laboratories, Inc. (AEL).

Groundwater elevations used in preparing contour maps for this event were recorded on April 25, 2018. Laboratory data was received from AEL on June 21, 2018. **Table 1** depicts groundwater elevation data. **Figure 1**, **Figure 2**, and **Figure 3** depict groundwater contours for the upper surficial aquifer, lower surficial aquifer, and confined aquifer respectfully.

The Water Quality Monitoring Plan, listed in Appendix 3.II.7 of the permit, stipulates sampling of forty four active monitoring wells. In fact, there are:

- seventeen permit required piezometers (not sampled);
- twenty-seven permit required active monitoring wells (sampled);
- eighteen non-permit required compliance wells (sampled).

As part of this semiannual groundwater monitoring event forty five active monitoring wells were sampled. Field parameters including: static depth to water, dissolved oxygen, pH, specific conductivity, temperature, turbidity, and observed colors or sheens were collected and recorded during sample collection. Analytical groundwater samples were submitted to AEL for laboratory analysis of ammonia-nitrogen, chlorides, iron, mercury, nitrate, sodium, total dissolved solids, and parameters listed in 40 CFR Part 258 Appendix I. Groundwater sampling logs have been attached in **Appendix A**.

Laboratory analytical results were reported in exceedance of groundwater standards for pH, Ammonia-Nitrogen, Total Dissolved Solids, Arsenic, Iron, and Benzene. A summary of analytical detections has been provided as **Table 2** and the complete laboratory report has been attached as **Appendix B**. Groundwater concentrations reported during this event were generally consistent with historical values with the following exceptions:





TABLE 2: POLK COUNTY - NORTH CENTRAL LANDFILL

NCLF (SITE 201)

FIRST SEMIANNUAL REPORT 2018

Analytical Parameter		Date Sampled	Conductivity (Field)	DO (Field)	GW Elevation	pH (Field)	Temperature (Field)	Turbidity (Field)	Ammonia Nitrogen	Chloride	Nitrate Nitrogen	TDS	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Nickel	Selenium	Sodium	Thallium	Vanadium	Zinc	Acetone	Benzene	Vinyl Chloride
Standard			(1)	(1)	(1)	6.5-8.5	(1)	(1)	2.8 ***	250 **	10 *	500 **	6 *	10 *	2000 *	5 *	100 *	140 ***	1000 **	300 **	100 *	50 *	160 *	2 *	49 ***	5000 **	6300 ***	1 *	1 *
Units		-	umhos/cm @ 25.0°C	mg/L	feet	SU	°C	NTU	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Back-ground Wells	SW-15	5/7/2018	465	0.33	103.74	6.83	23.2	4.47	0.025 U	6.2	0.18 U	320	0.45 I	3.6	27	0.2 I	0.67 I	0.88	1.3	960	1.9 I	3.0 I	26	0.061 I	7.6	18	1.0 U	0.20 U	0.20 U
	SW-100	5/2/2018	778	2.99	104.29	6.92	19.1	1.19	0.040 I	3.5 I	0.18 U	400	0.13 I	0.26 I	30	0.064 U	0.11 U	0.19 U	0.35 U	59 I	0.98 U	0.59 I	23	0.057 U	11	16	1.0 U	0.20 U	0.20 U
	DW-6	5/7/2018	394	0.30	103.06	7.65	19.7	1.17	0.50	12	0.18 U	200	0.11 U	0.14 I	6.9	0.064 U	0.11 U	0.19 U	0.35 U	98 I	0.98 U	0.58 U	17	0.057 U	0.71 U	17	1.0 U	0.20 U	0.20 U
Compliance Wells	CW-1	5/7/2018	425	0.98	99.37	6.29	23.3	6	0.025 U			370		4.9						1700									
	CW-2	5/2/2018	1072	0.26	99.61	6.70	22.9	0.33	0.025 U			630		2.2						160									
	CW-4	5/7/2018	1118	0.22	98.23	7.08	23.4	15.7	0.45			660		0.9 I						1700									
	CW-5	4/25/2018	980	0.71	100.40	6.69	25.0	0.27	0.14			590		2.6						49 I									
	CW-6	4/25/2018	771	0.93	100.19	6.74	24.2	1.09	0.54			460		14						4600									
	CW-11	4/25/2018	1118	0.36	99.13	6.58	22.5	0.61	0.06 I			620		4.1						1800									
	CW-12	4/25/2018	1266	1.37	99.71	6.71	22.2	3.95	0.025 U			770		0.077 U						590									
	CW-13	5/1/2018	993	0.79	104.22	6.41	19.6	1.26	0.04 I			480		0.077 U						150									
	CW-14	5/1/2018	833	1.02	104.29	5.97	19.0	5.52	0.25			400		2.7						14000									
	CW-15	5/1/2018	621	1.13	104.17	6.18	20.0	11.1	0.36			350		0.077 U						5800									
	CW-16	5/2/2018	1083	0.66	102.40	6.19	20.6	1.37	2.6			520		0.76 I						65000									
	CW-17	5/1/2018	1482	0.91	103.08	6.33	21.5	2.16	1.4			640		3.7						45000									
	CW-18	5/2/2018	1100	0.64	103.16	6.29	20.4	5.42	1.4			490		0.62 I						48000									
	CW-19	5/2/2018	1245	0.69	103.10	6.24	20.6	1.23	0.025 U			670		1.6						120									
	CW-20	5/2/2018	1854	0.71	103.39	6.00	19.7	2.7	19			930		33						97000									
	CW-21	5/2/2018	1017	2.02	103.06	6.14	19.8	1.62	0.025 U			620		0.64 I						140									
	CW-22	5/1/2018	1589	0.75	103.70	6.65	19.6	0.53	0.025 U			810		0.21 I						26 I									
	CW-23	5/1/2018	1770	0.90	103.57	6.39	18.6	4.21	0.21			890		0.077 U						59 I									
Detection Wells	SW-2A	5/2/2018	603	0.38	99.97	6.62	23.1	0.89	0.40	15	0.18 U	400	0.11 U	15	82	0.064 U	0.16 I	0.67	0.35 U	2300	5.2	0.58 U	13	0.057 U	0.71 U	16	1.0 U	0.20 U	0.20 U
	SW-3A	5/2/2018	917	0.37	99.73	6.74	22.6	0.48	0.025 U	29	0.18 U	520	0.12 I	1.9	81	0.064 U	0.11 U	0.37 I	0.35 U	490	1.4 I	0.58 U	27	0.057 U	0.71 U	15	1.0 U	0.20 U	0.20 U
	SW-5A	5/7/2018	1021	0.24	99.42	6.80	23.5	0.96	0.025 U	24	0.18 U	540	0.11 U	0.75 I	52	0.064 U	0.11 U	0.92	0.35 U	180	1.4 I	0.58 U	21	0.057 U	0.71 U	16	1.0 U	0.20 U	0.20 U
	SW-6A	5/1/2018	1201	0.19	101.21	6.63	26.7	0.19	0.025 U	12	1.6	790	0.25 I	0.93 I	100	0.22 I	0.29 I	0.8	0.44 I	27 I	1.3 I	2.5 I	18	0.063 I	9.8	15	1.0 U	0.20 U	0.20 U
	SW-7A	5/1/2018	1033	0.21	99.66	6.56	25.3	0.26	0.32	11	0.18 U	600	0.11 U	3.9	76	0.064 U	0.11 U	0.3 I	0.35 U	3200	0.98 U	0.58 U	43	0.057 U	1.3 I	16	1.0 U	0.20 U	0.20 U
	SW-13	5/1/2018	1103	0.49	99.64	6.64	24.8	1.96	0.27	69	0.18 U	610	0.11 U	37	130	0.064 U	0.13 I	0.74	0.35 U	360	5.0	0.58 U	22	0.057 U	1.0 I	15	1.0 U	0.20 U	0.20 U
	SW-14	5/1/2018	1367	0.34	99.82	6.67	23.7	2	0.025 U	170	0.18 U	830	0.11 U	4.9	130	0.064 U	0.11 U	0.82	0.35 U	2000	5.1	0.58 U	44	0.057 U	2.0 I	15	1.0 U	0.20 U	0.20 U
	SW-101	5/1/2018	1657	0.23	104.46	6.41	25.1	0.25	0.28	66	0.18 U	####	0.11 U	0.2 I	58	0.064 U	0.11 U	0.19 U	0.35 U	4000	0.98 U	0.58 U	120	0.057 U	0.71 U	14	1.0 U	0.20 U	0.20 U
	SW-102	5/1/2018	913	0.19	107.56	6.37	24.6	15.91	0.84	23	0.59	490	0.11 U	0.5 I	14	0.064 U	0.11 I	0.19 U	0.35 U	54000	0.98 U	0.58 U	13	0.057 U	0.71 U	16	1.7 I	0.20 U	0.20 U
	SW-103	4/30/2018	829	0.23	104.38	6.63	26.6	2.11	0.32	15	0.18 U	510	0.11 U	5.0	31	0.064 U	0.11 U	0.19 U	0.35 U	12000	0.98 U	0.58 U	10	0.057 U	0.71 U	6.6 I	1.0 U	0.20 U	0.20 U
	SW-104		0.28	0.28	105.48	6.39	25.5	12.89	3.4	16	0.18 U	440	0.11 U	7.3	6.5	0.064 U	0.11 I	0.19 U	0.35 U	84000	0.98 U	0.58 U	6.1	0.057 U	0.71 U	7.2 I	1.0 U	0.20 U	0.52 I
	SW-105	4/30/2018	1286	0.19	103.04	6.50	26.3	2.51	1.9	110	0.18 U	760	0.11 U	0.83 I	17	0.064 U	0.11 U	0.19 U	0.35 U	12000	1.3 I	0.58 U	71	0.057 U	0.71 U	7.2 I	1.0 U	0.20 U	0.20 U
	SW-106	4/30/2018	1184	1.28	104.52	6.55	25.9	2.07	2.4	47	0.18 U	600	0.11 U	0.86 I	22	0.064 U	0.11 U	0.19 U	0.35 U	47000	0.98 U	0.58 U	13	0.057 U	0.71 U	7.2 I	1.0 U	0.20 U	0.20 U
	SW-107	4/30/2018	1026	0.24	103.49	6.32	25.1	0.43	13	12	0.18 U	570	0.11 U	19	16	0.064 U	0.95 I	0.7	0.35 U	43000	0.98 U	0.58 U	9.1	0.057 U	1.8 I	6.9 I	1.0 U	1.5	0.20 U
	SW-108	4/30/2018	581	0.21	106.81	6.34	25.3	0.41	4.6	33	0.18 U	330	0.11 U	0.26 I	2.8	0.064 U	0.62 I	0.26 I	0.35 U	3000	2.2	0.58 U	16	0.057 U	1.2 I	7.3 I	1.0 U	0.20 U	0.20 U
	SW-109	4/30/2018	730	0.35	104.12	6.00	24.9	0.36	6.6	21	0.18 U	450	0.11 U	9.9	72	0.064 U	1.9I I	7.8	0.35 U	31000	2.2	1.3 I	42	0.057 U	8.5	7.1 I	2.4	0.20 U	0.20 U
	SW-110	4/30/2018	1297	0.37	103.74	6.88	24.7	1.11	0.24	57	0.18 U	710	0.11 U	3.9	110	0.064 U	0.11 U	0.19 U	0.35 U	4400	0.98 U	0.58 U	130	0.057 U	0.71 U	6.7 I	1.0 U	0.20 U	0.20 U
	SW-201	5/2/2018	1138	0.98	97.17	6.76	21.9	1.11	0.025 U	32	0.18 U	610	0.15 I	1.2	150	0.064 U	0.11 U	0.27 I	0.35 U	700	1.3 I	0.58 U	35	0.057 U	4.7	15	1.0 U	0.20 U	0.20 U
	SW-202	5/2/2018	594	0.69	100.44	6.90	23.2	2.6	0.025 U	4.3 I	1.7	360	0.19 I	1.2	86	0.097 I	0.28 I	0.36 I	1.1	360	1.2 I	1.8 I	11	0.057 U	4.9	20	1.0 U	0.20 U	0.20 U
	SW-203	5/2/2018	1113	0.65	99.43	6.78	22.8	14.34	0.63	18	0.37	760	0.16 I	0.82 I	42	0.13 I	0.59 I	0.23 I	0.39 I	2700	1.0 I	0.58 U	12	0.057 U	2.2	15	1.0 U	0.20 U	0.20 U
	DW-1	5/7/2018	337	0.41	99.19	7.86	19.7	0.68	0.57	10	0.18 U	160	0.11 U	0.077 U	11	0.064 U	0.11 U	0.19 U	0.35 U	65 I	0.98 U	0.58 U	13	0.057 U	0.71 U	16	1.0 U	0.20 U	0.20 U
	DW-2	5/7/2018	312	0.69	96.66	7.94	20.5	3.12	0.54	9.3	0.18 U	150	0.11 U	0.077 U	10	0.064 U	0.11 U	0.19 U	0.35 U	56 I	0.98 U	0.58 U	12	0.057 U	0.71 U	16	1.0 U	0.20 U	0.20 U
	DW-3	5/7/2018	429	0.39	98.02	7.93	21.0	0.71	0.45	14	0.18 U	190	0.11 U	0.092 I	9.8	0.064 U	0.11 U	0.19 U	0.35 U	21 U	0.98 U	0.58 U	13	0.057 U	0.71 U	17	1.0 U	0.20 U	0.20 U
	DW-4	5/7/2018	369	0.32	98.55	8.12	20.8	0.38	0.52	20	0.18 U	200	0.11 U	0.077 U	8.8	0.064 U	0.11 U	0.19 U	1.0	46 I	0.98 U	0.58 U	14	0.057 U	0.71 U	18	1.0 U	0.20 U	0.20 U

Notes:	<b>1</b>	-	Shaded bolded and italicised results indicate an exceedance of the standard shown.	BOD	-	Biological Oxygen Demand
	<b>(1)</b>	-	No Standard	COD	-	Chemical Oxygen Demand
	*	-	Primary Drinking Water Standard	DO	-	Dissolved Oxygen
	**	-	Secondary Drinking Water Standard	TDS	-	Total Dissolved Solids
	***	-	Chaper 62-777 Groundwater Cleanup Target Level (GCTL)	TOC	-	Total Organic Carbon
		-	Parameters not detected in any well are not provided in this table.			

**Johnson, Sabrina O**

---

**From:** Newell, Josh <JoshNewell@polk-county.net>  
**Sent:** Tuesday, October 9, 2018 11:34 AM  
**To:** SWD\_Waste  
**Cc:** Tafuni, Steven; Pincelli, Gregory  
**Subject:** WACS ID 49722: 2018 3rd Quarter Leachate and Gas Reports Polk County North Central Landfill  
**Attachments:** NCLF 2018 3rd QTR Landfill Gas.pdf; NCLF 2018 3rd QTR Leachate Qty.pdf

Good Morning:

Please find attached the 3<sup>rd</sup> Quarter Leachate Summary and Gas Migration Monitoring Results for the Polk County North Central Landfill WACS ID 49722.

If you have any questions, or need additional information, please contact us.

Thank you,  
-Josh



Joshua Newell, EI  
Solid Waste Program Engineer  
Polk County Waste & Recycling  
10 Environmental Loop South  
Winter Haven, FL 33880  
Office: 863.284.4319 ext 239  
[JoshNewell@polk-county.net](mailto:JoshNewell@polk-county.net)



**North Central Landfill Site #201**  
**Third Quarter: July through September 2018**  
**GAS MIGRATION MONITORING**

POLK COUNTY BOARD OF COUNTY COMMISSIONERS  
WASTE & RECYCLING DIVISION

Date Sampled: 9/28/2018

Sample Unit: Landtec GEM 5000 Serial #G502528  
Sampled By: Stacy Glaser

GAS MONITORING PROBE ID	% OF LEL	GAS MONITORING PROBE ID	% OF LEL
LFGMP-2	0.0	LFGMP-27	0.0
LFGMP-4	0.0	LFGMP-29	0.0
LFGMP-6	0.0	LFGMP-30	0.0
LFGMP-8	0.0	LFGMP-31	0.0
LFGMP-10	0.0	LFGMP-32	0.0
LFGMP-11	0.0	LFGMP-33	0.0
LFGMP-13	0.0	LFGMP-36	0.0
LFGMP-14	0.0	LFGMP-37	0.0
LFGMP-15	0.0	LFGMP-38	0.0
LFGMP-16	0.0	LFGMP-39	0.0
LFGMP-17	0.0	LFGMP-40	0.0
LFGMP-18	0.0		
LFGMP-19	0.0	Scalehouse	0.0
LFGMP-20	0.0	Leachate Tanks	0.0
LFGMP-21	0.0		
LFGMP-22	0.0		
LFGMP-23	0.0		
Phase III Landfill Gas Monitoring Locations: Filling of north cell began 11/26/07.			
Phase III Landfill Gas Monitoring Locations: Filling of south cell began 10/27/08.			

100% of LEL = 5% CH<sub>4</sub> by Volume

CH<sub>4</sub>=Methane (%VOL)

**\*\*Please note that the allowable detection limit is 100% LEL at the property line.\*\***

Total Phase II (Collection) (includes detection)	Total Phase III (Collection)	Total Phase III (Detection)	Total Phase V (Collection) (3)	Total Phase V (Detection)	Total Phase's I, II, III & V	SELF Total	NELF Total	Total Generated	Total Hauled To Treatment (4)	Total Discharged to Polk County Utilities POTW (4)	Monthly Balance (1)
Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons
152,666	183,346	1,193	509,543	1,194	949,232	30,482	6,930	986,644	0	1,110,655	-124,011
172,397	244,807	2,242	528,712	1,481	1,077,999	20,698	7,098	1,105,795	0	1,029,505	76,290
369,651	173,310	2,733	163,600	612	809,555	19,228	7,278	836,061	0	559,730	276,331
431,841	187,633	5,476	561,783	620	1,284,433	18,274	7,410	1,310,117	0	832,748	477,369
739,157	288,186	41,848	792,457	1,010	1,986,758	22,419	6,350	2,015,527	0	1,162,924	852,603
419,438	284,978	42,102	1,662,982	3,815	2,538,075	17,199	7,372	2,562,646	1,030,890	1,065,000	466,756
495,922	102,352	39,163	1,283,582	1,471	2,041,018	10,604	6,861	2,058,483	1,667,085	0	391,398
608,969	217,543	79,904	1,287,274	1,496	2,361,768	22,480	8,029	2,392,276	1,764,015	0	628,261
556,733	253,844	92,847	553,280	4,014	1,582,818	10,499	7,477	1,600,794	1,410,308	0	190,486
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	0	0	0	0	0	0
3,946,774	1,935,999	307,508	7,343,213	15,713	14,631,656	171,883	64,805	14,868,344	5,872,298	5,760,562	

Phase II Leakage Rate	Phase III Detection Qty	Phase III Leakage Rate	Phase V Detection Qty	Phase V Leakage Rate
Action Leakage Rate	Total Acres	Action Leakage Rate	Active Acres	Action Leakage Rate
254	60	254	10	144
gals/acre/day	Gallons	gals/acre/day	Gallons	gals/acre/day
93.62	1,193	0.64	1,194	3.85
6.13	2,242	1.33	1,481	5.29
3.06	2,733	1.47	612	1.97
5.58	5,476	3.04	620	2.07
9.90	41,848	22.50	1,010	3.26
3.26	42,102	23.39	3,815	12.72
3.60	39,163	21.06	1,471	4.75
20.21	79,904	42.96	1,496	4.83
22.84	92,847	51.58	4,014	13.38
0.00	0	0.00	0	0.00
0.00	0	0.00	0	0.00
0.00	0	0.00	0	0.00
14.15	307,508	14.04	15,713	4.30

ate balance indicates more leachate is hauled or discharged off-site than collected. This occurs under the following scenarios:  
d or discharged off-site.





**WASTE & RECYCLING DIVISION**

**POLK COUNTY  
NORTH CENTRAL CLASS 1 LANDFILL  
SITE 201**

**EVALUATION MONITORING REPORT  
THIRD QUARTER 2018**

WACS Facility ID: 49722  
FDEP Permit No. 31164-029-S0-01

Prepared by:

**POLK COUNTY  
Waste & Recycling Division  
Engineering Department**

**January 15, 2019**

Mr. Steven Tafuni, Compliance Assurance  
FDEP – Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

RE: Polk County North Central Class I Landfill Site (Site #201)  
Evaluation Monitoring Report – Fourth Quarter 2018  
Permit No. 31164-029-S0-01  
WACS Facility ID: 49722

Dear Mr. Tafuni,

This report presents data from the Fourth Quarter 2018 sampling event performed on November 19, 2018 at the Polk County, North Central Landfill by Advanced Environmental Laboratories, Inc. (AEL).

Groundwater elevations used in preparing the contour map for this event (provided as **Figure 1**) were recorded on September 5, 2018.

As part of this quarterly monitoring event, background well SW-100; detection wells SW-104, SW-107, SW-108, and SW-109; and compliance wells CW-16, CW-18, CW-19, CW-20, and CW-21 were sampled and analyzed by AEL for benzene and vinyl chloride. Field parameters including: static depth to water, dissolved oxygen, pH, specific conductivity, temperature, turbidity, and observed colors or sheens were collected and recorded during sample collection. Groundwater sampling logs have been attached in **Appendix A**.

Laboratory analytical results reported exceedances of groundwater standards for pH (in most wells) and Benzene (in detection wells SW-107 and SW-108). A summary of analytical detections is provided as **Table 1** and the complete laboratory report with chain of custody is attached as **Appendix B**. Groundwater concentrations reported during this event were generally consistent with historical values.

If you have any questions regarding this report, please contact Polk County Waste and Recycling at (863) 284-4319.

Sincerely,  
Polk County Waste & Recycling



Josh Newell, E.I.  
Program Engineer

Attachments

Figure 1: Groundwater Contour Map

Table 1: Groundwater Elevation Data and Summary of Laboratory Analytical Results

Appendix A: Groundwater Sampling Logs

Appendix B: Laboratory Analytical Report and Chain-of-Custody Forms





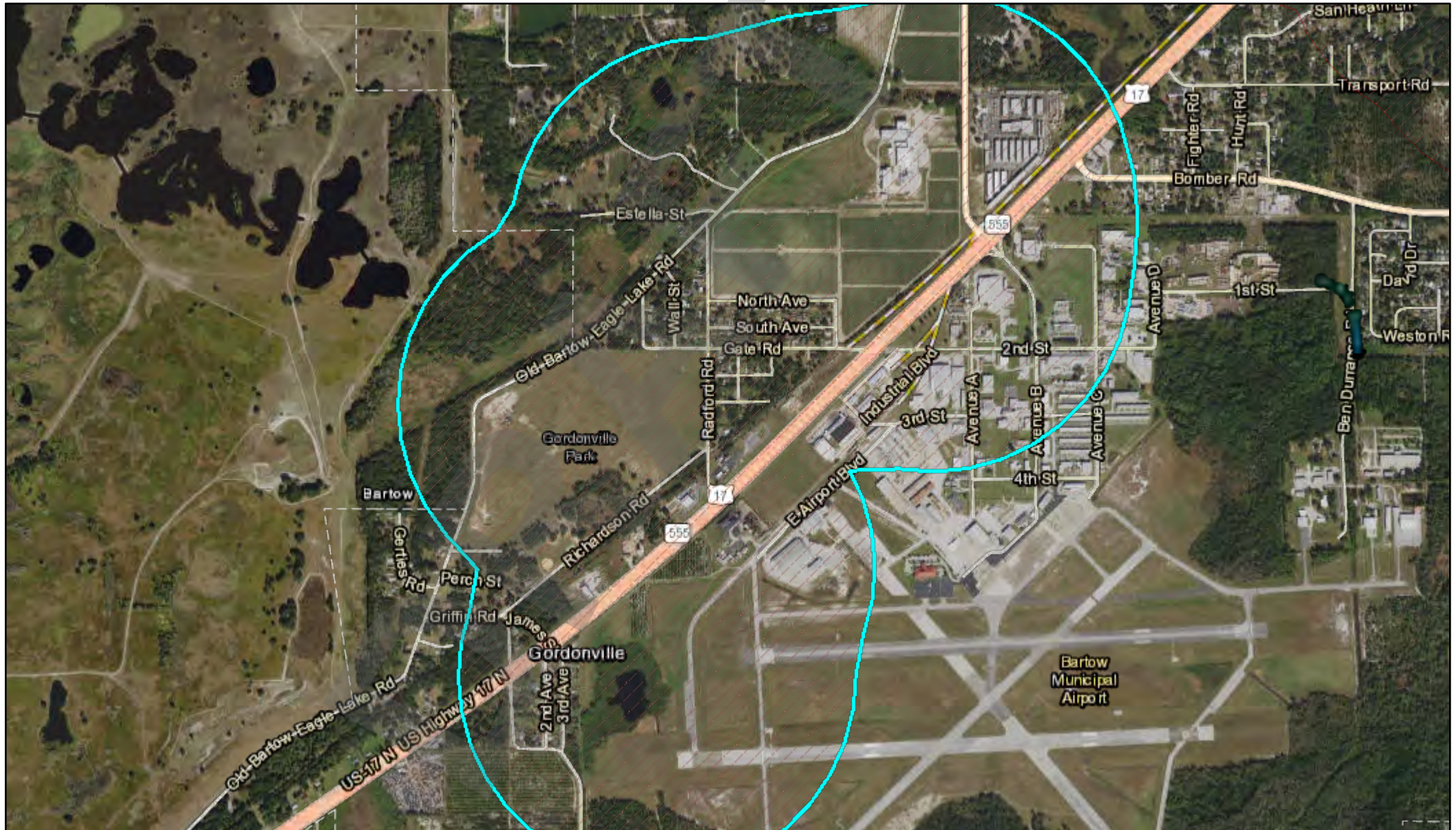
TABLE 1: POLK COUNTY - NORTH CENTRAL LANDFILL  
SUMMARY OF GROUNDWATER MONITORING RESULTS  
FOURTH QUARTER 2018  
NCLF (SITE 201)

Analytical Parameter	Date Sampled	Conductivity (Field)	DO (Field)	GW Elevation	Temperature (Field)	Turbidity (Field)	pH (Field)	Benzene	Vinyl Chloride
<b>Standard</b>		-	-	-	-	-	<b>6.5-8.5 *</b>	<b>1</b>	<b>1</b>
Units	-	umhos/cm @	mg/L	feet	°C	NTU	SU	µg/L	µg/L
<b>Back-ground Well</b>									
SW-100	11/19/2018	694	0.81	105.06	20.6	0.70	7.21	0.20 U	0.20 U
<b>Compliance Wells</b>									
CW-16	11/19/2018	1119	0.09	104.75	21.7	0.57	<b>6.47</b>	0.20 U	0.20 U
CW-18	11/19/2018	797	0.08	103.95	21.8	3.86	6.68	0.20 U	0.20 U
CW-19	11/19/2018	975	0.41	103.88	21.3	1.10	6.68	0.20 U	0.20 U
CW-20	11/19/2018	1708	0.07	104.28	20.6	4.18	<b>6.34</b>	0.20 U	0.20 U
CW-21	11/19/2018	922	0.92	104.19	20.6	2.38	<b>6.42</b>	0.20 U	0.20 U
<b>Detection Wells</b>									
SW-104	11/19/2018	830	0.38	106.65	27.8	3.89	<b>6.39</b>	0.56 I	0.20 U
SW-106	11/19/2018	1125	0.14	105.59	27.6	1.06	6.55	0.20 U	0.20 U
SW-107	11/19/2018	1001	0.08	104.77	27.2	5.04	<b>6.34</b>	<b>2.00</b>	0.20 U
SW-108	11/19/2018	822	0.08	107.96	26.8	3.19	<b>6.33</b>	<b>2.50</b>	0.20 U
SW-109	11/19/2018	338	0.23	106.23	26.7	1.75	<b>5.58</b>	0.24 I	0.20 U
<b>Notes:</b> <ul style="list-style-type: none"> <li><b>1</b> – Shaded bolded and italicised results indicate an exceedance of the Primary Drinking Water Standard shown.</li> <li><b>(1)</b> – No Standard</li> <li><b>*</b> – Secondary Drinking Water Standard</li> <li><b>I</b> – Value is between the laboratory method detection limit and the laboratory practical quantitation limit.</li> <li><b>U</b> – Compound was analyzed for but not detected.</li> <li><b>DO</b> – Dissolved Oxygen</li> </ul>									

Site No. 12: (EDB) Groundwater Contamination Zone  
#53263425



# EDB Groundwater Plume #53263425

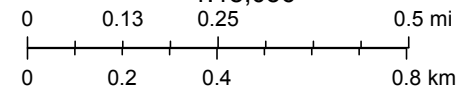


March 1, 2019



Ground Water Contamination Areas

1:18,056



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